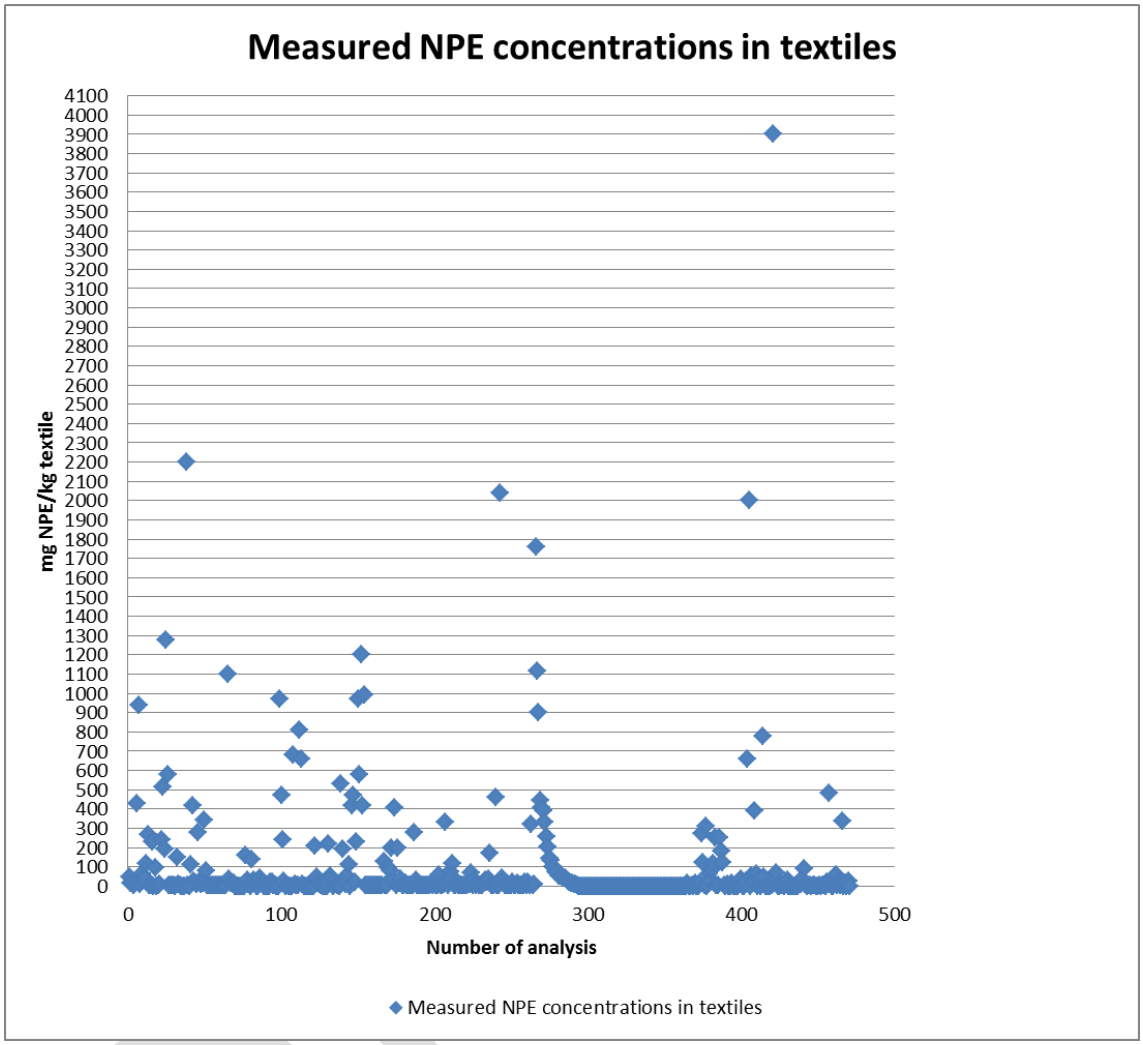
Appendix to

Background document

to the Opinion on the Annex XV dossier proposing restrictions on NONYLPHENOL ETHOXYLATE

CONTENT

Annex 1 - NPE concentrations in textiles (from 12 reviewed studies excluding three outliers)



Annex 2 - Estimated releases of nonylphenol to the Swedish municipal waste water system based on wide dispersive use in 2009

(data source: The Swedish Product register, KemI 2012).

Product Category	**Sector of Use**	**Release (tpa)**
Paint, other solvent free for interior use	Construction industry	0.0297
Cast compounds	Industry for stone products	0.0196
Stabilizers	Industry for plastic products	0.0165
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	0.0151
Paint, other curing paint for interior use	Construction industry	0.0134
Adhesive, curing agent for industrial use	Construction industry	0.0120
Paint, curing paint with anti-corrosive effect for other use	Industry for fabricated metal products	0.0092
Solvent	Paint industry	0.0030
Paint, curing paint for other use	Construction industry	0.0022

Annex 3 - Estimated releases of nonylphenol ethoxylate to the Swedish municipal waste water system based on wide dispersive use in 2009

(data source: The Swedish Product register, KemI 2012)

Product Category	Sector of Use	Release (tpa)
Surface active agents, other	Industry for organic basic chemicals	1.687
Cleaner, other	Jeweller's shop	0.281
Car shampoo	Retail sale, except for such with motor vehicles	0.190
Printing ink remover	Publishers and printers; other industry for reproduction	0.179
Degreasing agents	Wholesale of chemical products	0.166
Multi-purpose cleaners	Manifacture of food products	0.101
Cleaner, others	Services	0.093
Binders for paints, adhesives	Paint industry	0.092
Cutting oil	Sale, maintenance and repair of motor vehicles	0.089
Cleaner, others	Sale, maintenance and repair of motor vehicles	0.074
Paint, other water based for exterior use	Paint shop	0.061
Rolling oil	Industry for basic metals	0.036
Degreasing agents	Industry for fabricated metal products	0.035
Screw-cutting oils	Wholesale of chemical products	0.029
Rust preventive, other	Surface treatment and coating of metals	0.025

Paint, other water based for interior use	Paint shop	0.016
Adhesive, water based for consumer use	Construction industry	0.015
Sealant	Construction industry	0.014
Putty	Construction industry+ Retail sale, except for such with motor vehicles	0.012
Base oils	Tanneries; industry for leather goods	0.010
Hardeners, other	Paint industry	0.010
Insulating materials, heat-cold	Construction industry	0.010
Pigments for paints and inks	Industry for dyes and pigments	0.009
Release agents, other	Industry for plastic and rubber products	0.009
Surface active agents, other	Paint industry	0.008
Paint, other water based for exterior use	Construction industry	0.008
Motor oil	Retail sale, except for such with motor vehicles	0.007
Friction reducing agents	Paint industry	0.007
Paint, water based with flame retardant effect for interior use	Paint shop	0.006
Binders for paints, adhesives	Industry for glues	0.005
Raw material for production of plastics	Construction industry	0.005
Adhesive, water based for industrial use	Industry for wood and products of wood	0.005
Pigment paste	Paint shop	0.004
Paint, other curing paint for interior use	Paint shop + Industry for fabricated metal products	0.004

Putty	Construction industry	0.004
Adhesive, water based for industrial use	Industry for pulp, paper and paper products	0.004
Paint, other water based paint	Services	0.004
Adhesive, water based for industrial use	Surface treatment and coating of metals	0.004
Curing agent for plastics	Industry for plastic products	0.003
Surface active agents, other	Industry for plastics in primary forms	0.002
Multi-purpose cleaners	Manufacture of f odd products	0.002
Metal surface treatment agents, other	Surface treatment and coating of metals	0.002
Explosives	Construction industry+Mines and quarries+Industry for stone products	0.002
Thickeners	Paint industry	0.001
Binders for paints, adhesives	Industry for dyes and pigments	0.001
Emulsifiers	Industry for glues	0.001

Annex 4 - Estimated releases of nonylphenol derivatives (other than ethoxylates) to the municipal waste water system based on the wide dispersive use in Sweden 2009

(data source: The Swedish Products register)

Product Category	**Sector of Use**	**Release(tpa)**
Stabilizers, other	Industry for plastic products	0.796
Binders for paints, adhesives	Paint industry	0.098
Binders for paints, adhesives	Industry for glues	0.062
Base oils	Industry for fabricated metal products	0.050
Adhesive, water based for industrial use	Construction industry	0.050
Raw material for cosmetics and hygienic articles	Industry for basic pharmaceutical products	0.046
Emulsifiers	Industry for pharmaceutical preparations	0.045
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	0.036
Printing ink, solvent-free for off-set print on paper	Publishers and printers; other industry for reproduction	0.031
Fuel additives, others	Production of other chemical products but synthetic fibres	0.028
Emulsifiers	Industry for glues	0.027
Catalysts	Industry for plastic products	0.015
Paint, other water based for industrial use	Industry for wood and products of wood	0.013
Binders, other than these intended for sand, paint, adhesives	Paint industry	0.010
Stabilizers, others	Paint industry	0.009
Paint, other water based for interior use	Paint shop	0.008

Electroplating agents, other	Surface treatment and coating of metals	0.008
Paint, other water based for exterior use	Paint shop	0.006
Adhesive, water based for consumer use	Industry for glues	0.006
Emulsifiers	Industry for cleaning and polishing preparations	0.006
Adhesive, solvent free for industrial use	Industry for pulp, paper and paper products	0.006
Adhesive, water based for industrial use	Industry for pulp, paper and paper products	0.005
Heat stabilizer	Industry for plastic products	0.002
Hardeners, others	Paint industry	0.001
Raw material for production of plastics	Wholesale of chemical products	0.001
Lubricants, other + Motor oil	Petrol stations+Maintenance and repair garages for motor vehicles	0.001
Emulsifiers	Industry for medical, precision and optical instruments	0.0005
Filling,filler	Construction industry	0.0004
Blowing agents (plastics, rubber etc.)	Industry for plastics in primary forms	0.0002
Lubricants, Rust removing agents, Base oils, hydraulic oil, fuel additives, coolants and lubricants for metal processing	Several industrial sectors	0.0001
Raw material for production of plastics	Paint industry	0.0001
Dyestuffs	Manufacture of textiles, paints, wood products	0.0001
Sealant	Construction industry	0.00005
Filling, filler	Construction industry	0.00002

Annex 5 - Release rates for NP, NPE and other NP derivatives

Release rates for different general release scenarios for nonylphenol (NP), nonylphenol ethoxylates (NPE) and other nonylphenol derivatives (NP-der.) applied to data from the Swedish product register (KemI 2012).

ERC	ERC No.	ERC mod.	Scenario	Release rate (fraction)	Chemical group
Formulation of mixtures	2	modified	Hardener for paint, solvent based	0.0001	NP
Formulation of mixtures	2	modified	Pharmaceutical additive, water based	0.01	NP-der.
Formulation of mixtures	2	modified	Paint/Printing ink/Adhesive, solvent free or solvent based	0.01	NP, NP-der.
Formulation of mixtures	2	default	Casting agent	0.02	NP
Formulation of mixtures	2	default	Plastic/Paint/Sealant/Adhesive/Oil/Cleaning agent, partly water based	0.02	NPE, NP-der.
Industrial use of processing aids	4	modified	Printing ink, solvent free +cleaning losses	0.005	NP-der.
Industrial use of processing aids	4	modified	Paint/Printing ink, coloring + solvents/cleaning losses	0.02	NP-der.
Industrial use of processing aids	4	modified	Plastic +H_2Osolu.	0.02	NPEO
Industrial use of processing aids	4	modified	Surface active agent/Paint/Cutting oil + H2Osolu. + cleaning losses	0.05	NPEO
Industrial inclusion into or onto a matrix	5	modified	Plastic, inclusion into matrix (plastic)	0.01	NP, NPE, NP-der.
Industrial use of auxiliaries for polymerization	6d	default	Plastic, auxiliaries for polymerization	0.00005	NPE, NP-der.
Industrial use of substances in closed systems	7	modified	Motor oil, system processing + cleaning losses	0.02	NPE
Industrial use of substances in closed systems	7	default	Oil/Metal surface treatment agent, system processing agent	0.05	NPE, NP-der.
Wide dispersive indoor use of processing aids, open	8a	modified	Glue/Lubricant/Hydraulic oil etc. + cleaning losses	0.005	NP-der.

Wide dispersive indoor use of processing aids, open	8a	modified	Paint/Glue/Sealant, ? based + cleaning losses	0.01	NP,NPE,NP-der.
Wide dispersive indoor use of processing aids, open	8a	modified	Paint, water based +cleaning losses	0.02	NPE, NP-der.
Wide dispersive indoor use of processing aids, open	8a	modified	Glue, water based + cleaning losses	0.05	NPE, NP-der.
Wide dispersive indoor use of processing aids, open	8a	modified	Anticorrosion agent, partly indoor	0.05	NPE
Wide dispersive indoor use of processing aids, open	8a	modified	Cleaning agent, partly outdoor	0.5	NPE
Wide dispersive indoor use of processing aids, open	8a	modified	Cleaning agent	0.9	NPE, NP-der.
Wide dispersive indoor use of processing aids, open	8a	modified	Pharmaceutical additive, use, water based	0.9	NP-der.
Wide dispersive indoor use of reactive substances , open	8b	default	Casting agent	0.02	NP
Wide dispersive indoor use, inclusion into or onto a matrix	8c	default	Hardener for paint, private/professional uses	0.01	NP-der.
Wide dispersive indoor use, inclusion into or onto a matrix	8c	default	Plastic, construction material +cleaning of dust & equipment's	0.01	NPE
Wide dispersive outdoor use of reactive substances, open	8e	modified	Reactive processing agent, outdoor-partly connected to STP	0.005	NPE
Wide dispersive indoor use in closed systems	9a	modified	Lubricant/Fuel additive, end use, partly indoor	0.01	NPE, NP-der.
Wide dispersive indoor use of long-life articles, low release	11a	default	Plastic	0.0005	NPE, NP-der.
Wide dispersive indoor use of long-life articles, low release	11a	modified	Adhesive/Plastic + wear	0.001	NP-der., NP
Wide dispersive indoor use of long-life articles, low release	11a	modified	Paint/Printing ink/Adhesive + film + wear	0.005	NP, NP-der.
Wide dispersive indoor use of long-life articles, low release	11a	modified	Plastic/Adhesive/Sealant + H2Osolu. + wear	0.01	NPE, NP-der.

Wide dispersive indoor use of long-life articles, low release	11a	modified	Paint/Plastic/Adhesive/Putty + H2Osolu. + film + wear	0.05	NPE, NP-der.
Industrial processing of articles with abrasive techniques (no release)	12b	modified	Stripping of surface coating + film, partly indoor	0.5	NPE

Annex 6 - Release rates for different uses sectors

Release rates for different combinations of product types and sector of uses for the uses of nonylphenol and relevant derivatives to waste water before STP (Sweden 2009). (data source: The Swedish Products register, KemI 2012).

Product Category	Sector of Use	ERC	Release rate **(fraction)**	Chemical group
Adhesive, curing agent for industrial use	Construction industry	11a mod.	0.001	NP
Adhesive, curing agent for industrial use	Construction industry	8a mod.	0.01	NP
Adhesive, solvent free for industrial use	Industry for pulp, paper and paper products	11a mod.	0.005	NP-der.
Adhesive, solvent free for industrial use	Industry for pulp, paper and paper products	2 mod.	0.01	NP-der.
Adhesive, water based for consumer use	Construction industry	11a mod.	0.01	NPE
Adhesive, water based for consumer use	Construction industry	8a mod.	0.05	NPE
Adhesive, water based for consumer use	Industry for glues	11a mod.	0.01	NP-der.
Adhesive, water based for consumer use	Industry for glues	2	0.02	NP-der.
Adhesive, water based for consumer use	Industry for glues	8a mod.	0.05	NP-der.
Adhesive, water based for industrial use	Construction industry	11a mod.	0.01	NP-der.
Adhesive, water based for industrial use	Construction industry	2	0.02	NP-der.
Adhesive, water based for industrial use	Construction industry	8a mod.	0.05	NP-der.
Adhesive, water based for industrial use	Industry for pulp, paper and paper products	11a mod.	0.01	NP-der.
Adhesive, water based for industrial use	Industry for pulp, paper and paper products	11a mod.	0.05	NPE
Adhesive, water based for industrial use	Industry for pulp, paper and paper products	2	0.02	NP-der.

Adhesive, water based for industrial use	Industry for pulp, paper and paper products	2	0.02	NPE
Adhesive, water based for industrial use	Industry for wood and products of wood	11a mod.	0.01	NPE
Adhesive, water based for industrial use	Industry for wood and products of wood	8a mod.	0.05	NPE
Adhesive, water based for industrial use	Surface treatment and coating of metals	11a mod.	0.01	NPE
Adhesive, water based for industrial use	Surface treatment and coating of metals	2	0.02	NPE
Base oils	Industry for fabricated metal products	2	0.02	NP-der.
Base oils	Industry for fabricated metal products	7	0.05	NP-der.
Base oils	Tanneries; industry for leather goods	7	0.05	NPE
Binders for paints, adhesives	Industry for dyes and pigments	2	0.02	NPE
Binders for paints, adhesives	Industry for glues	11a mod.	0.05	NP-der.
Binders for paints, adhesives	Industry for glues	11a mod.	0.05	NPE
Binders for paints, adhesives	Industry for glues	2	0.02	NPE
Binders for paints, adhesives	Industry for glues	8a mod.	0.005	NP-der.
Binders for paints, adhesives	Paint industry	11a mod.	0.005	NP-der.
Binders for paints, adhesives	Paint industry	11a mod.	0.05	NPE
Binders for paints, adhesives	Paint industry	2	0.02	NP-der.
Binders for paints, adhesives	Paint industry	2	0.02	NPE
Binders for paints, adhesives	Paint industry	8a mod.	0.01	NP-der.
Binders, other than these intended for sand, paint, adhesives	Paint industry	11a mod.	0.05	NP-der.
Binders, other than these intended for sand, paint,	Paint industry	8a mod.	0.02	NP-der.

adhesives				
Blowing agents (plastics, rubber etc.)	Industry for plastics in primary forms	11a mod.	0.001	NP-der.
Blowing agents (plastics, rubber etc.)	Industry for plastics in primary forms	5 mod.	0.01	NP-der.
Car shampoo	Retail sale, except for such with motor vehicles	8a mod.	0.5	NPE
Cast compounds	Industry for stone products	2	0.02	NP
Cast compounds	Industry for stone products	8b	0.02	NP
Catalysts	Industry for plastic products	11a	0.0005	NP-der.
Catalysts	Industry for plastic products	2	0.02	NP-der.
Catalysts	Industry for plastic products	6d	0.00005	NP-der.
Cleaner, others	Jeweler's shop	8a mod.	0.9	NPE
Cleaner, others	Sale, maintenance and repair of motor vehicles	2	0.02	NPEO
Cleaner, others	Sale, maintenance and repair of motor vehicles	8a mod.	0.9	NPE
Cleaner, others	Services	8a mod.	0.9	NPE
Curing agent for plastics	Industry for plastic products	11a mod.	0.01	NPE
Curing agent for plastics	Industry for plastic products	8c	0.01	NPE
Cutting oil	Sale, maintenance and repair of motor vehicles	4 mod.	0.9	NPE
Degreasing agents	Industry for fabricated metal products	2	0.02	NPE
Degreasing agents	Industry for fabricated metal products	8a mod.	0.9	NPE
Degreasing agents	Wholesale of chemical products	2	0.02	NPE
Degreasing agents	Wholesale of chemical products	8a mod.	0.9	NPE

Dyestuffs	Manufacture of textiles, paints, wood products	11a mod.	0.005	NP-der.
Dyestuffs	Manufacture of textiles, paints, wood products	4 mod.	0.02	NP-der.
Electroplating agents, other	Surface treatment and coating of metals	7	0.05	NP-der.
Emulsifiers	Industry for cleaning and polishing preparations	8a mod.	0.9	NP-der.
Emulsifiers	Industry for glues	11a mod.	0.01	NP-der.
Emulsifiers	Industry for glues	2	0.02	NP-der.
Emulsifiers	Industry for glues	2	0.02	NPE
Emulsifiers	Industry for medical, precision and optical instruments	8a mod.	0.9	NP-der.
Emulsifiers	Industry for pharmaceutical preparations	2 mod.	0.002	NP-der.
Emulsifiers	Industry for pharmaceutical preparations	8a mod.	0.9	NP-der.
Explosives	Construction industry+Mines and quarries+Industry for stone products	8e mod.	0.005	NPE
Filling, filler	Construction industry	11a mod.	0.001	NP-der.
Filling, filler	Construction industry	2	0.02	NP-der.
Filling, filler	Construction industry	6d	0.00005	NP-der.
Friction reducing agents	Paint industry	11a mod.	0.05	NPE
Friction reducing agents	Paint industry	2	0.02	NPE
Fuel additives, others	Production of other chemical products but synthetic fibers	2	0.02	NP-der.
Fuel additives, others	Production of other chemical products but synthetic fibers	9a/9b mod.	0.01	NP-der.
Hardeners, others	Paint industry	11a mod.	0.005	NP-der.

Hardeners, others	Paint industry	11a mod.	0.05	NPE
Hardeners, others	Paint industry	2	0.02	NP-der.
Hardeners, others	Paint industry	4 mod.	0.05	NPE
Hardeners, others	Paint industry	8c mod.	0.01	NP-der.
Heat stabilizer	Industry for plastic products	2	0.02	NP-der.
Insulating materials, heat-cold	Construction industry	11a mod.	0.05	NPE
Insulating materials, heat-cold	Construction industry	8c	0.01	NPE
Lubricants, other+Motor oil	Petrol stations+Maintenance and repair garages for motor vehicles	9a mod.	0.01	NP-der.
Lubricants, Rust removing agents, Base oils, hydraulic oil, Fuel additives, Coolants and lubricants for metal processing	Several ind. sectors	2	0.02	NP-der.
Lubricants, Rust removing agents, Base oils, hydraulic oil, Fuel additives, Coolants and lubricants for metal processing	Several ind. sectors	8a mod.	0.005	NP-der.
Metal surface treatment agents, others	Surface treatment and coating of metals	7	0.05	NPE
Motor oil	Retail sale, except for such with motor vehicles	7 mod.	0.02	NPE
Motor oil	Retail sale, except for such with motor vehicles	9a mod.	0.01	NPE
Multi-purpose cleaners	Manufacture of food products	8a mod.	0.9	NPE
Multi-purpose cleaners	Manufacture of food products	2	0.02	NPE
Paint, curing paint for other use	Construction industry	11a mod.	0.005	NP
Paint, curing paint for other use	Construction industry	8a mod.	0.01	NP
Paint, curing paint with anti-corrosive effect for other use	Industry for fabricated metal products	11a mod.	0.005	NP
Paint, curing paint with anti-corrosive effect for other use	Industry for fabricated metal products	8a mod.	0.01	NP

Paint, other curing paint for interior use	Construction industry	11a mod.	0.005	NP
Paint, other curing paint for interior use	Construction industry	8a mod.	0.01	NP
Paint, other curing paint for interior use	Paint shop + Industry for fabricated metal products	11a mod.	0.05	NPE
Paint, other curing paint for interior use	Paint shop + Industry for fabricated metal products	8a mod.	0.01	NPE
Paint, other solvent free for interior use	Construction industry	11a mod.	0.005	NP
Paint, other solvent free for interior use	Construction industry	8a mod.	0.01	NP
Paint, other water based for exterior use	Construction industry	2	0.02	NPE
Paint, other water based for exterior use	Construction industry	8a mod.	0.02	NPE
Paint, other water based for exterior use	Paint shop	2	0.02	NP-der.
Paint, other water based for exterior use	Paint shop	2	0.02	NPE
Paint, other water based for exterior use	Paint shop	8a mod.	0.02	NP-der.
Paint, other water based for exterior use	Paint shop	8a mod.	0.02	NPE
Paint, other water based for industrial use	Industry for wood and products of wood	11a mod.	0.005	NP-der.
Paint, other water based for industrial use	Industry for wood and products of wood	2	0.02	NP-der.
Paint, other water based for industrial use	Industry for wood and products of wood	8a mod.	0.02	NP-der.
Paint, other water based for interior use	Paint shop	11a mod.	0.005	NP-der.
Paint, other water based for interior use	Paint shop	11a mod.	0.05	NPE
Paint, other water based for interior use	Paint shop	2	0.02	NP-der.
Paint, other water based for interior use	Paint shop	8a mod.	0.02	NP-der.
Paint, other water based for interior use	Paint shop	8a mod.	0.02	NPE

Paint, other water based paint	Services	11a mod.	0.05	NPE
Paint, other water based paint	Services	8a mod.	0.02	NPE
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	11a mod.	0.005	NP
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	11a mod.	0.05	NP-der.
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	2 mod.	0.0001	NP
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	2 mod.	0.01	NP-der.
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	8a mod.	0.01	NP
Paint, solvent based anti-corrosive for industrial use	Surface treatment and coating of metals	8a mod.	0.01	NP-der.
Paint, water based with flame retardant effect for interior use	Paint shop	11a mod.	0.05	NPE
Paint, water based with flame retardant effect for interior use	Paint shop	2	0.02	NPE
Paint, water based with flame retardant effect for interior use	Paint shop	8a mod.	0.02	NPE
Pigment paste	Paint shop	2	0.02	NPE
Pigments for paints and inks	Industry for dyes and pigments	2	0.02	NPE
Printing ink remover	Publishers and printers; other industry for reproduction	2	0.02	NPE
Printing ink remover	Publishers and printers; other industry for reproduction	8a mod.	0.9	NPE
Printing ink, solvent-free for off-set print on paper	Publishers and printers; other industry for reproduction	11a mod.	0.005	NP-der.
Printing ink, solvent-free for off-set print on paper	Publishers and printers; other industry for reproduction	2 mod.	0.01	NP-der.
Printing ink, solvent-free for off-set print on paper	Publishers and printers; other industry for reproduction	4 mod.	0.005	NP-der.
Putty	Construction industry	11a mod.	0.05	NPE

Putty	Construction industry	8c mod.	0.05	NPE
Putty	Construction industry+ Retail sale, except for such with motor vehicles	11a mod.	0.05	NPE
Putty	Construction industry+ Retail sale, except for such with motor vehicles	8c mod.	0.05	NPE
Raw material for cosmetics and hygienic articles	Industry for basic pharmaceutical products	2	0.02	NP-der.
Raw material for cosmetics and hygienic articles	Industry for basic pharmaceutical products	8a mod.	0.9	NP-der.
Raw material for production of plastics	Construction industry	11a mod.	0.01	NPE
Raw material for production of plastics	Construction industry	6d	0.00005	NPE
Raw material for production of plastics	Paint industry	11a mod.	0.005	NP-der.
Raw material for production of plastics	Paint industry	2	0.02	NP-der.
Raw material for production of plastics	Paint industry	5 mod.	0.01	NP-der.
Raw material for production of plastics	Wholesale of chemical products	11a mod.	0.001	NP-der.
Raw material for production of plastics	Wholesale of chemical products	2	0.02	NP-der.
Raw material for production of plastics	Wholesale of chemical products	6d	0.00005	NP-der.
Release agents, others	Industry for plastic and rubber products	11a mod.	0.05	NPE
Release agents, others	Industry for plastic and rubber products	4 mod.	0.02	NPE
Rolling oil	Industry for basic metals	7	0.05	NPE
Rust preventive, others	Surface treatment and coating of metals	12b Mod.	0.5	NPE
Rust preventive, others	Surface treatment and coating of metals	8a mod.	0.05	NPE
Screw-cutting oils	Wholesale of chemical products	4 mod.	0.5	NPE

Sealant	Construction industry	11a mod.	0.001	NP-der.
Sealant	Construction industry	11a mod.	0.01	NPE
Sealant	Construction industry	2	0.02	NP-der.
Sealant	Construction industry	2	0.02	NPE
Sealant	Construction industry	8a mod.	0.01	NP-der.
Sealant	Construction industry	8a mod.	0.01	NPE
Solvent	Paint industry	11a mod.	0.005	NP
Solvent	Paint industry	8a mod.	0.01	NP
Stabilizers	Industry for plastic products	11a mod.	0.001	NP
Stabilizers	Industry for plastic products	5 mod.	0.01	NP
Stabilizers, others	Industry for plastic products	11a	0.0005	NP-der.
Stabilizers, others	Industry for plastic products	11a mod.	0.01	NP-der.
Stabilizers, others	Industry for plastic products	2	0.02	NP-der.
Stabilizers, others	Industry for plastic products	6d	0.00005	NP-der.
Stabilizers, others	Paint industry	11a mod.	0.05	NP-der.
Stabilizers, others	Paint industry	2	0.02	NP-der.
Surface active agents, other	Industry for organic basic chemicals	2	0.02	NPE
Surface active agents, other	Industry for organic basic chemicals	4 mod.	0.05	NPE
Surface active agents, other	Industry for plastics in primary forms	11a	0.0005	NPE
Surface active agents, other	Industry for plastics in primary forms	6d	0.00005	NPE

Surface active agents, other	Paint industry	2	0.02	NPE
Thickeners	Paint industry	2	0.02	NPE

Annex 7 - Possible NP derivatives in cosmetics

Nonylphenol releasing derivatives which can be used as ingredients in cosmetics (source: INCI 2012)

No	CAS No.	EC No.	Trivial name	Substance name	Cosmetic function
1	27986-36-3	248-762-5	NONOXYNOL-1	2- (nonylphenoxy)ethanol	emulsifying agents
2	27176-93-8	248-291-5	NONOXYNOL-2	2- [2- (nonylphenoxy)ethoxy]ethanol	emulsifying agents / surfactants
3	9016-45-9		NONOXYNOL-3	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents
4	9016-95-9	230-770-5	NONOXYNOL-4	2- [2- [2- [2- (4- nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	emulsifying agents / surfactants
5	7311-27-5	230-770-5	NONOXYNOL-4	2- [2- [2- [2- (4- nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	emulsifying agents / surfactants
6	26264-02-8	247-555-7	NONOXYNOL-5	14- (nonylphenoxy)- 3, 6, 9, 12- tetraoxatetradecan- 1- ol	emulsifying agents / surfactants
7	9016-45-9	247-555-7	NONOXYNOL-5	14- (nonylphenoxy)- 3, 6, 9, 12- tetraoxatetradecan- 1- ol	emulsifying agents / surfactants
8	9016-45-9		NONOXYNOL-6	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
9	27177-03-3	248-292-0	NONOXYNOL-7	20- (nonylphenoxy)- 3, 6, 9, 12, 15, 18- hexaoxaicosan- 1- ol	emulsifying agents / surfactants
10	9016-45-9	248-292-0	NONOXYNOL-7	20- (nonylphenoxy)- 3, 6, 9, 12, 15, 18- hexaoxaicosan- 1- ol	emulsifying agents / surfactants
11	9016-45-9	248-293-6	NONOXYNOL-8	23- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21- heptaoxatricosan- 1- ol	emulsifying agents / surfactants
12	9016-45-9	247-816-	NONOXYNOL-9	26- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21, 24- octaoxahexacosan-	emulsifying agents /

		5		1- ol	surfactants
13	27177-05-5	248-293-6	NONOXYNOL-8	23- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21- heptaoxatricosan- 1- ol	emulsifying agents / surfactants
14	26571-11-9	247-816-5	NONOXYNOL-9	26- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21, 24- octaoxahexacosan- 1- ol	emulsifying agents / surfactants
15	9016-45-9	248-294-1	NONOXYNOL-10	29- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21, 24, 27- nonaoxanonacosanol	emulsifying agents
16	27177-08-8	248-294-1	NONOXYNOL-10	29- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21, 24, 27- nonaoxanonacosanol	emulsifying agents
17	9016-45-9		NONOXYNOL-11	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
18	9016-45-9		NONOXYNOL-12	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
19	9016-45-9		NONOXYNOL-13	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
20	9016-45-9		NONOXYNOL-14	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
21	9016-45-9		NONOXYNOL-15	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
22	9016-45-9		NONOXYNOL-18	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents / surfactants
23	9016-45-9		NONOXYNOL-35	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents
24	9016-45-9		NONOXYNOL-120	Poly(oxy- 1, 2- ethanediyl), a- (nonylphenyl)- ?- hydroxy-	emulsifying agents
25			DINONOXYNOL-4 PHOSPHATE		emulsifying agents
26	9014-93-1		NONYL NONOXYNOL-	Poly(oxy- 1, 2- ethanediyl), a- (dinonylphenyl)- ?- hydroxy-	emulsifying agents

			5		
27	63351-73-5	264-108-1	AMMONIUM NONOXYNOL-4 SULFATE	Ammonium 2- [2- [2- [2- (nonylphenoxy)ethoxy]ethoxy]ethoxy]ethyl sulphate	emulsifying agents / surfactants
28	31691-97-1	264-108-1	AMMONIUM NONOXYNOL-4 SULFATE	Ammonium 2- [2- [2- [2- (nonylphenoxy)ethoxy]ethoxy]ethoxy]ethyl sulphate	emulsifying agents / surfactants
29	66197-78-2	266-231-6	NONOXYNOL-9 PHOSPHATE	26- (nonylphenoxy)- 3, 6, 9, 12, 15, 18, 21, 24- octaoxahexacosan-1- yl dihydrogen phosphate	Surfactants

Annex 8 - Tables from chapter B.9.7 Measured levels

Table 1 Measured nonylphenol concentrations in European freshwaters, brackish and marine waters and surface run-offs.

Location	Concentration (µg NP/L)	Period	Remark	Reference
Lakes, rivers, water courses				
Austria		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Danube (Hainburg)	0.025*		Flow 2000 m^3/s	
Drau (Lavamund)	0.025*		Flow 200 m^3/s	
Enns (Steyr-Pyburg)	0.025*		Flow 200 m^3/s	
Mur (Speilfeld)	0.025*		Flow 150 m^3/s	
Traun (Edelberg)	0.535		Flow 150 m^3/s	
Belgium		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Gaverbeek	3.492			

(Deerlijk)			Observation: foam, yellow, particles	
Grote Spierebeek (Dottignies)	0.025*		Observation: foam, yellow, particles	
Kanaal Gent-Terneuzen (Zelzate)	0.082		Observation: yellow, particles	
Leie (Wevelgem)	0.782			
Mandel (Wielsbeke)	0.390		Observation: yellow	
Scheldt (Hemiksem)	0.048			
Scheldt (Oudenaarde)	4.489			
Zenne (Drogenbos)	1.173			
Afleidingskanaal van de Leie	*0.024**		*Total estimated 90P*	EIONET 2013 (http://cdr.eionet.europa.eu/)
(Station: 765007)	0.024*	2010-02-09		
	0.024*	2010-03-10		

	0.024*	2010-04-14		
	0.024*	2010-05-11		
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-11-09		
	0.024*	2010-12-08		
	*0.024**		*Estimated 90P*	
	0.024*	2010-02-04		
(Station: 768000)	0.024*	2010-03-09		
	0.024*	2010-04-14		
	0.024*	2010-05-06		
	0.024*	2010-06-03		
	0.024*	2010-07-07		
	0.024*	2010-08-05		
	0.024*	2010-09-14		
	0.024*	2010-10-18		
	0.024*	2010-11-08		
	0.024*	2010-12-06		
	*0.024**			

			Estimated 90P	
	0.024*	2010-01-11		
Albert kanaal	0.024*	2010-02-08		
(Station: 824000)	0.024*	2010-03-08		
	0.024*	2010-04-12		
	0.024*	2010-05-10		
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		
	0.024*	2010-09-06		
	0.024*	2010-10-11		
	0.024*	2010-11-08		
	0.024*	2010-12-06		
	*0.024**			
			Estimated 90P	
	0.024*	2010-02-04		
Gent-Oostende kanaal	0.024*	2010-03-04		
(Station: 770000)	0.024*	2010-04-01		
	0.024*	2010-05-05		
	0.024*	2010-06-03		
	0.024*	2010-07-01		
	0.024*	2010-08-02		
	0.024*	2010-09-01		

	0.024*	2010-09-28		
	0.024*	2010-10-26		
	0.024*	2010-11-29		
	*0.024**		*Estimated 90P*	
	0.05*	2010-01-06		
Haine Canal	0.05*	2010-02-03		
(Station: 2280)	0.05*	2010-03-03		
	0.05*	2010-03-31		
	0.05*	2010-04-28		
	0.05*	2010-05-26		
	0.05*	2010-06-23		
	0.05*	2010-07-20		
	0.05*	2010-08-18		
	0.05*	2010-09-14		
	0.05*	2010-10-13		
	0.05*	2010-11-08		
	0.05*	2010-12-08		
	*0.05**		*Estimated 90P*	
	0.024*	2010-01-25		
Lake De Gavers	0.024*	2010-02-18		

	0.024*	2010-03-18		
	0.024*	2010-04-19		
	0.024*	2010-05-19		
	0.024*	2010-06-21		
	0.024*	2010-07-08		
	0.024*	2010-08-18		
	0.024*	2010-09-13		
	0.024*	2010-10-05		
	0.024*	2010-11-04		
	0.024*	2010-12-07		
	*0.024**		*Estimated 90P*	
	*0.024**		*Total estimated 90P*	
Leopold kanaal	0.024*	2010-01-13		
(Station 6000)	0.024*	2010-02-09		
	0.024*	2010-03-10		
	0.024*	2010-04-14		
	0.024*	2010-05-11		
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		

	0.024*	2010-11-09		
	0.024*	2010-12-08		
	*0.024**		*Estimated 90P*	
	0.024*	2010-02-18		
(Station 12000)	0.024*	2010-03-18		
	0.024*	2010-04-06		
	0.024*	2010-05-25		
	0.024*	2010-06-10		
	0.024*	2010-07-15		
	0.024*	2010-08-12		
	0.024*	2010-09-09		
	0.024*	2010-10-14		
	0.024*	2010-11-16		
	*0.024**		*Estimated 90P*	
	0.05*	2010-01-26		
River Ambleve	0.05*	2010-02-23		
(Station: 4430)	0.05*	2010-03-23		
	0.05*	2010-04-20		
	0.05*	2010-05-18		
	0.05*	2010-06-15		

	0.05*	2010-07-13		
	0.05*	2010-08-10		
	0.05*	2010-09-07		
	0.05*	2010-10-05		
	0.05*	2010-11-03		
	0.05*	2010-11-30		
	0.05*	2010-12-28		
	*0.05**		*Estimated 90P*	
River Bovenschelde	*0.024**			
	0.024*	2010-01-12	*Total estimated 90P*	
(Station: 172100)	0.024*	2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07		
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		
	0.024*	2010-08-10		
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-11-17		
	*0.024**			

	0.024*	2010-01-13	*Estimated 90P*	
(Station: 179000)	0.024*	2010-02-17		
	0.024*	2010-03-17		
	0.024*	2010-04-08		
	0.024*	2010-05-19		
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-11-18		
	0.024*	2010-12-15		
	*0.024**			
	*0.024**		*Estimated 90P*	
River Dender				
	0.024*	2010-02-17		
(Station: 499500)	0.024*	2010-03-17	*Total estimated 90P*	
	0.024*	2010-04-08		
	0.024*	2010-05-19		
	0.024*	2010-06-09		
	0.024*	2010-07-14		

	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-11-18		
	0.024*	2010-12-15		
	*0.024**			
	0.024*	2010-02-17		
(Station: 511000)	0.024*	2010-03-17	*Estimated 90P*	
	0.024*	2010-04-08		
	0.024*	2010-05-19		
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-12-15		
–	*0.024**			
(Station: 581000)				
	0.024*	2010-01-21		
	0.024*	2010-02-17	*Estimated 90P*	
	0.024*	2010-03-16		

	0.024*	2010-04-07		
	0.024*	2010-05-18		
	0.024*	2010-06-16		
	0.024*	2010-07-07		
	0.024*	2010-08-04		
	0.024*	2010-09-02		
	0.024*	2010-10-28		
	0.024*	2010-12-14		
	*0.024**			
River Dendre				
(Station: 1281)	0.05*	2010-01-12		
	0.05*	2010-02-19	*Estimated 90P*	
	0.05*	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-05-04		
	0.05*	2010-06-01		
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		

	*0.05**			
River Derner				
(Station 390000)	0.024*	2010-02-16		
	0.024*	2010-03-16	*Estimated 90P*	
	0.024*	2010-04-07		
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		
	0.024*	2010-08-10		
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-11-17		
	0.024*	2010-12-14		
	*0.024**			
River Dijle				
	*0.024**			
(Station: 212400)			*Estimated 90P*	
	0.024*	2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07	*Total estimated 90P*	
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		

	0.024*	2010-08-10		
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-12-14		
	*0.024**			
(Station: 221000)				
	0.024*	2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07	*Estimated 90P*	
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		
	0.024*	2010-08-10		
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-12-14		
	*0.024**			
River Dommel				
(Station 91000)	0.024*	2010-01-27		
	0.024*	2010-02-22		
	0.024*	2010-03-24	*Estimated 90P*	
	0.024*	2010-04-14		

	0.024*	2010-05-11		
	0.024*	2010-06-16		
	0.024*	2010-07-06		
	0.024*	2010-08-17		
	0.024*	2010-09-29		
	0.024*	2010-10-20		
	0.024*	2010-11-23		
	0.024*	2010-12-07		
	*0.024**			
River Dyle				
(Station: 1670)	0.05*	2010-01-27		
	0.05*	2010-02-24		
	0.05*	2010-03-24	*Estimated 90P*	
	0.05*	2010-04-21		
	0.05*	2010-05-19		
	0.05*	2010-06-16		
	0.05*	2010-07-14		
	0.05*	2010-08-11		
	0.05*	2010-09-08		
	0.05*	2010-10-06		
	0.05*	2010-11-04		
	0.05*	2010-12-01		
	0.05*	2010-12-29		

	*0.05**			
River Escaut				
	*0.05**			
(Station: 360)				
	0.05*	2010-01-05	*Estimated 90P*	
	0.05*	2010-02-02		
	0.05*	2010-03-02		
	0.05*	2010-03-30	*Total estimated 90P*	
	0.05*	2010-04-27		
	0.05*	2010-05-25		
	0.05*	2010-06-22		
	0.05*	2010-07-19		
	0.05*	2010-08-17		
	0.05*	2010-09-14		
	0.05*	2010-10-12		
	0.05*	2010-11-09		
	0.05*	2010-12-07		
	*0.05**			
(Station: 400)				
	0.05*	2010-01-05		
	0.05*	2010-02-02		
	0.05*	2010-03-02		
	0.05*	2010-03-30	*Estimated 90P*	

	0.05*	2010-04-27		
	0.05*	2010-05-25		
	0.05*	2010-06-22		
	0.05*	2010-07-19		
	0.05*	2010-08-17		
	0.05*	2010-09-14		
	0.05*	2010-10-12		
	0.05*	2010-11-09		
	0.05*	2010-12-07		
	*0.05**			
River Gete (Station: 426990)	0.024*	2010-02-17		
	0.024*	2010-03-17		
	0.024*	2010-04-21		
	0.024*	2010-05-19	*Estimated 90P*	
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11		
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-11-23		
	*0.024**			

River Grensmaas				
(Station 122050)	0.024*	2010-01-19		
	0.024*	2010-02-09		
	0.024*	2010-03-09		
	0.024*	2010-04-06	*Estimated 90P*	
	0.024*	2010-05-03		
	0.024*	2010-06-01		
	0.024*	2010-06-29		
	0.024*	2010-07-27		
	0.024*	2010-08-24		
	0.024*	2010-09-21		
	0.024*	2010-10-19		
	0.024*	2010-11-16		
	0.024*	2010-12-13		
	*0.024**			
River Grote Nete				
(Station 253000)	0.024*	2010-01-11		
	0.024*	2010-02-15		
	0.024*	2010-03-15		
	0.024*	2010-04-06	*Estimated 90P*	
	0.024*	2010-05-03		
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		

	0.024*	2010-09-06		
	0.024*	2010-10-11		
	*0.024**			
River Grote Spierebeek				
(Station: 745000)	0.024*	2010-01-12		
	0.024*	2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07	*Estimated 90P*	
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		
	0.024*	2010-08-10		
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-11-17		
	*0.024**			
River IJzer				
	0.024			
(Station: 910000)				
	0.024*	2010-01-11		
	0.024*	2010-02-08	*Estimated 90P*	
	0.024*	2010-03-08		

	0.024*	2010-04-12		
	0.024*	2010-05-10	*Total estimated 90P*	
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		
	0.024*	2010-09-06		
	0.024*	2010-10-11		
	0.024*	2010-11-08		
	0.024*	2010-12-06		
	*0.024**			
(Station: 916000)				
	0.024*	2010-01-11		
	0.024*	2010-02-08		
	0.024*	2010-03-08		
	0.024*	2010-04-12	*Estimated 90P*	
	0.024*	2010-05-10		
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		
	0.024*	2010-09-06		
	0.024*	2010-10-11		
	0.024*	2010-11-08		
	0.024*	2010-12-06		

	*0.024**			
River Meuse				
	*0.05**			
(Station: 3190)				
	0.05*	2010-01-12		
	0.05*	2010-02-09		
	0.05*	2010-03-09	*Estimated 90P*	
	0.05*	2010-04-06		
	0.05*	2010-05-04		
	0.05*	2010-06-01	*Total estimated 90P*	
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	*0.05**			
(Station: 3260)				
	0.05*	2010-01-13		
	0.05*	2010-02-10		
	0.05*	2010-03-10		
	0.05*	2010-04-07		

	0.05*	2010-05-05		
	0.05*	2010-06-02	*Estimated 90P*	
	0.05*	2010-06-30		
	0.05*	2010-07-28		
	0.05*	2010-08-25		
	0.05*	2010-09-22		
	0.05*	2010-10-20		
	0.05*	2010-11-17		
	0.05*	2010-12-15		
(Station: 3315)	*0.05**			
	0.05*	2010-01-13		
	0.05*	2010-02-10		
	0.05*	2010-03-10		
	0.05*	2010-04-07		
	0.05*	2010-05-05		
	0.05*	2010-06-02	*Estimated 90P*	
	0.05*	2010-06-30		
	0.05*	2010-07-28		
	0.05*	2010-08-25		
	0.05*	2010-09-22		
	0.05*	2010-10-20		
	0.05*	2010-11-17		
	0.05*	2010-12-15		

	*0.05**			
River Oise				
(Station: 12181)	0.05*	2010-01-12		
	0.05*	2010-02-19		
	0.05*	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-05-04		
	0.05*	2010-06-01	*Estimated 90P*	
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	*0.05**			
River Sambre				
	*0.05**			
(Station: 3880)				
	0.05*	2010-01-19		
	0.05*	2010-02-16		
	0.05*	2010-03-16		

	0.05*	2010-04-13	*Estimated 90P*	
	0.05*	2010-05-11		
	0.05*	2010-06-08		
	0.05*	2010-07-06	*Total estimated 90P*	
	0.05*	2010-08-03		
	0.05*	2010-08-31		
	0.05*	2010-09-29		
	0.05*	2010-10-26		
	0.05*	2010-11-23		
	0.05*	2010-12-21		
	*0.05**			
(Station: 3960)				
	0.05*	2010-01-19		
	0.05*	2010-02-16		
	0.05*	2010-03-16		
	0.05*	2010-04-13		
	0.05*	2010-05-11		
	0.05*	2010-06-08	*Estimated 90P*	
	0.05*	2010-07-06		
	0.05*	2010-08-03		
	0.05*	2010-08-31		
	0.05*	2010-09-29		
	0.05*	2010-10-26		
	0.05*	2010-11-23		

	0.05*	2010-12-23		
	*0.05**			
River Scheldt				
	*0.024**			
(Station: 164000)				
	0.024*	2010-01-13		
	0.024*	2010-02-17		
	0.024*	2010-03-17		
	0.024*	2010-04-08		
	0.024*	2010-05-19	*Estimated 90P*	
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11	*Total estimated 90P*	
	0.024*	2010-09-08		
	0.024*	2010-11-18		
	0.024*	2010-12-15		
	*0.024**			
(Station: 168900)				
	0.024*	2010-01-13		
	0.024*	2010-02-17		
	0.024*	2010-03-17		
	0.024*	2010-04-08		

	0.024*	2010-05-19		
	0.024*	2010-06-09		
	0.024*	2010-07-14		
	0.024*	2010-08-11	*Estimated 90P*	
	0.024*	2010-09-08		
	0.024*	2010-10-13		
	0.024*	2010-11-18		
	0.024*	2010-12-15		
	*0.024**			
River Semois				
(Station: 3621)	0.05*	2010-01-20		
	0.05*	2010-02-18		
	0.05*	2010-03-17		
	0.05*	2010-04-14		
	0.05*	2010-05-10		
	0.05*	2010-06-09		
	0.05*	2010-07-07		
	0.05*	2010-08-04	*Estimated 90P*	
	0.05*	2010-09-01		
	0.05*	2010-09-30		
	0.05*	2010-10-27		
	0.05*	2010-11-24		
	0.05*	2010-12-22		

	*0.05**			
River Senne				
(Station: 1395)	0.05*	2010-01-20		
	0.05*	2010-02-17		
	0.05*	2010-03-17		
	0.05*	2010-04-14		
	0.05*	2010-05-10		
	0.05*	2010-06-09		
	0.05*	2010-07-07		
	0.05*	2010-08-04	*Estimated 90P*	
	0.05*	2010-09-01		
	0.05*	2010-09-28		
	0.05*	2010-10-27		
	0.05*	2010-11-24		
	0.05*	2010-12-22		
	*0.05**			
River Sure				
(Station: 4800)	0.05*	2010-01-26		
	0.05*	2010-02-23		
	0.05*	2010-03-23		
	0.05*	2010-04-20		
	0.05*	2010-05-18		
	0.05*	2010-06-15		

	0.05*	2010-07-13		
	0.05*	2010-08-10	*Estimated 90P*	
	0.05*	2010-09-07		
	0.05*	2010-10-05		
	0.05*	2010-11-03		
	0.05*	2010-11-30		
	0.05*	2010-12-28		
	*0.05**			
River Vesdre				
(Station: 4630)	0.05*	2010-01-13		
	0.05*	2010-02-10		
	0.05*	2010-03-10		
	0.05*	2010-04-07		
	0.05*	2010-05-05		
	0.05*	2010-06-02		
	0.05*	2010-06-30		
	0.05*	2010-07-28	*Estimated 90P*	
	0.05*	2010-08-25		
	0.05*	2010-09-22		
	0.05*	2010-10-20		
	0.05*	2010-11-17		
	0.05*	2010-12-15		
	*0.05**			

River Zenne				
	*0.024**			
(Station: 346500)		2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07		
	0.024*	2010-05-18		
	0.024*	2010-06-08		
	0.024*	2010-07-13		
	0.024*	2010-08-10	*Estimated 90P*	
	0.024*	2010-09-07		
	0.024*	2010-10-12		
	0.024*	2010-12-14	*Total estimated 90P*	
	0.024*			
	*0.024**			
(Station: 347000)		2010-01-11		
	0.024*	2010-02-15		
	0.024*	2010-03-15		
	0.024*	2010-04-06		
	0.024*	2010-05-17		
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		
	0.024*			

	0.024*	2010-09-06	*Estimated 90P*	
	0.024*	2010-10-11		
	0.024*	2010-12-13		
	*0.024**			
(Station: 350100)				
	0.024*	2010-01-11		
	0.024*	2010-02-15		
	0.024*	2010-03-15		
	0.024*	2010-04-06		
	0.024*	2010-05-17		
	0.024*	2010-06-07		
	0.024*	2010-07-12		
	0.024*	2010-08-09		
	0.024*	2010-09-06	*Estimated 90P*	
	0.024*	2010-10-11		
	0.024*	2010-12-13		
	*0.024**			
River Zwarte Spierebeek (Station: 744000)	0.024*	2010-01-12		
	0.024*	2010-02-16		
	0.024*	2010-03-16		
	0.024*	2010-04-07		
	0.024*			

	0.024* 0.024* 0.024* 0.024* 0.024* 0.024* 0.024* 0.024* *0.024**	2010-05-18 2010-06-08 2010-07-13 2010-08-10 2010-09-07 2010-10-12 2010-11-17 2010-12-14	*Estimated 90P* *Estimated 90P*	
Bulgaria Iskar (Novi Iskar)	0.220	2007, autumn	Analysis: SPE-LC-MS Flow 12.5 m^3/s	Joint Research Center (2008)

Lesnovka (Dolni Bogrov)	0.270		Flow 0.45 m^3/s	
Cyprus		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Garyllis (Lemesos)	0.50		Flow 0.005 m^3/s	
Kargotis (Lefkosia)	0.025*		Observation: brown, foam Flow 0.08 m^3/s	
Czech Republic		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Elbe (Valy)	0.025*		Flow 25 m^3/s	
Lusatian Neisse/Nisa (Hradek nad Nisou)	0.230		Flow 2.7 m^3/s	
Odra (Bohumin)	0.025*		Flow 27.4 m^3/s	
Svratka (Zidlochovice)	0.025*		Flow 7.6 m^3/s	
Vltava (Zelcin)	0.025*		Flow 92.2 m^3/s	

Denmark Gudenaa (Tvilum Bro)	0.025*	2007, autumn	Analysis: SPE-LC-MS Flow 13.7 m^3/s	Joint Research Center (2008)
Small river (Copenhagen)	0.025* 1.2		Analysis: LC IT-MS Small river with several upstream urban run-offs and combined sewer overflows Discharge: South of Copenhagen Harbour 4-NP (mix) No precipitation Precipitation	COHIBA (2011a)
	Number of stations = 16 n = 189 LOD 0.05 n > LOD = 14 max = 0.34 90P Min = 0.025* Station 1-16 90P = 0.025*	2013	Stream water	Danish EPA, 2014 (Public consultation)

	90P Max = 0.34 Station 1-11 90P = 0.025* Station 12-16 90P = 0.34			
Estonia		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Emajogi (Kavastu)	0.025*		Flow 70 m^3/s Observation: yellow	
Narva (Narva)	0.025*		Flow 400 m^3/s	
Purtse (Tallinn)	0.025*			
Finland		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Kokemäen (Pori)	0.025*		Flow 235 m^3/s	
Vantaa (Helsinki)	0.025*		Flow 16.5 m^3/s	
Aurajoki	0.015	2012-03-13		SYKE 2014 (Public consultatio

(Aura 54 ohikulku va6401)	0.19	2012-05-07		n)
	0.015*	2012-05-28		
	0.056	2012-06-25		
	0.058	2012-08-07		
	0.015*	2012-09-03		
	0.015*	2012-10-01		
	0.027	2012-10-29		
	0.098		*Estimated 90P*	
Eurajoki (Eura 42 pori-rma va6900-06371)	0.015*	2012-05-21		
	0.048	2012-06-11		
	0.015*	2012-06-25		
	0.015*	2012-07-16		
	0.015*	2012-07-31		
	0.015*	2012-08-13		
	0.015*	2012-09-17		
	0.015*	2012-10-01		
	0.025		*Estimated 90P*	
Kokemäenjoki (Kojo 35 Pori-tre-	0.015*	2012-03-14		
	0.015*	2012-04-02		
	0.031	2012-05-08		

06450)	0.015*	2012-05-28		
	0.036	2012-06-25		
	0.031	2012-08-01		
	0.015*	2012-09-03		
	0.015*	2012-10-01		
	0.015*	2012-10-29		
	0.032		*Estimated 90P*	
	0.015*	2012-03-12		
	0.051	2012-05-07		
Kymijoki	0.03	2012-05-28		
(Kymi Huruksela 033 5600)	0.052	2012-06-25		
	0.015*	2012-08-06		
	0.015*	2012-09-03		
	0.015*	2012-10-01		
	0.041	2012-10-30		
	0,051		*Estimated 90P*	
	0.015*	2012-06-25		
	0.036	2012-08-06		
Kyrönjoki	0.015*	2012-09-04		

(Skatila vp 9600-04381)	0.015*	2012-10-02		
	0.033	2012-10-29		
	0,035		*Estimated 90P*	
Mustijoki (Mustijoki 4.9 15500-01069)	0.015*	2012-05-28		
	0.033	2012-06-26		
	0.065	2012-08-07		
	0.046	2012-09-03		
	0.048*	2012-10-01		
	0.015	2012-10-22		
	0.015	2012-11-27		
	0.055		*Estimated 90P*	
Oulujoki (Oulujoki 13000)	0.015*	2012-05-29		
	0.2	2012-06-26		
	0.015*	2012-08-07		
	0.015*	2012-09-04		
	0.015*	2012-10-02		
	0.054	2012-10-31		
	0.127		*Estimated 90P*	

Porvoonjoki (Porvoonjoki 11,5 6022-00397)	0.087	2012-05-29		
	0.015*	2012-06-26		
	0.033	2012-08-07		
	0.015*	2012-09-03		
	0.015*	2012-10-01		
	0.015*	2012-10-22		
	0.015*	2012-11-27		
	0.055		*Estimated 90P*	
	0.068		*Estimated total 90P*	
Vanajavesi (Vanajavesi Lepaa-63035)	0.015*	2012-05-29		
	0.082	2012-06-26		
	0.036	2012-08-07		
	0.015*	2012-09-04		
	0.015*	2012-10-30		
	0.064		*Estimated 90P*	
	0.015*	2012-05-29		
	0.015*	2012-06-26		
	0.078	2012-08-07		

	0.015*	2012-09-04		
	0.015*	2012-10-02		
(Nokiankoski 8200 alavirt-07650)	0.06	2012-10-30		
	0.069		*Estimated 90P*	
	0.057	2012-04-02		
	0.04	2012-05-29		
	0.15	2012-06-26		
	0.12	2012-08-07		
	0.0285	2012-09-03		
Vantaa	0.015*	2012-10-01		
(Vanta 4,2 6040)	0.015*	2012-10-22		
	0.015*	2012-11-27		
	0.129		*Estimated 90P*	
	0.045	2012-05-28		
	0.095	2012-06-25		
	0.015*	2012-08-06		
	0.015*	2012-09-03		
	0.015*	2012-10-01		
Vatianjärvi	0.015*	2012-10-30		
(Kapeenkoski 3500-				

25180)	*0.07*		*Estimated 90P*	
	0.015*	2012-03-13		
	0.053	2012-04-03		
	0.043	2012-05-07		
	0.058	2012-05-28		
	0.04	2012-06-26		
	0.015*	2012-08-07		
Vouksi	0.015*	2012-09-04		
(Vouksi Vastuupuomi 061-10425)	0.015*	2012-10-02		
	0.015*	2012-10-29		
	0.054		*Estimated 90P*	
France		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Ardieres (St Jean, Moulin de Thuaille)	0.088		Observation: yellow	
Bourbre (Pont de Cheruy, Chavanoz)	0.243			
Drac (Vercors bridge in Grenoble)	0.025*			
	0.025*			

Saone (Ille Barbe – upstream Lyon)	0.120			
Rhone (Solaize)	0.025*		Flow 1524 m^3/s	
Seine (Conflans Saint Honorine)			Flow 264 m^3/s	
Agulla de la Mar (Station: 06169050)	0.05*	2011-01-17		EIONET 2013 (http://cdr.eionet.europa.eu/)
	0.05*	2011-02-14		
	0.05*	2011-03-22		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
	0.05*	2011-06-20		
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**		*Estimated 90P*	
Ain (Station: 06084360)	0.05*	2011-01-27		

	0.05*	2011-02-24		
	0.05*	2011-03-30		
	0.05*	2011-04-28		
	0.05*	2011-05-26		
	0.05*	2011-06-27		
	0.05*	2011-07-27		
	0.05*	2011-08-25		
	0.05*	2011-09-28		
	0.05*	2011-10-24		
	0.05*	2011-11-21		
	0.05*	2011-12-12		
	*0.05**		*Estimated 90P*	
Aix				
(Station: 04011700)	0.05*	2011-05-17		
	0.05*	2011-06-27		
	0.05*	2011-09-27		
	0.05*	2011-10-19		
	*0.05**		*Estimated 90P*	
Albarine				
(Station: 06090600)	0.05*	2011-01-13		
	0.05*	2011-02-16		
	0.05*	2011-03-21		

	0.05*	2011-04-18		
	0.05*	2011-05-13		
	0.05*	2011-06-21		
	0.05*	2011-07-08		
	0.05*	2011-08-19		
	0.05*	2011-09-19		
	0.05*	2011-10-24		
	0.05*	2011-11-08		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
Aliso				
(Station: 06222350)	0.05*	2011-01-11		
	0.05*	2011-02-15		
	0.05*	2011-03-15		
	0.05*	2011-04-13		
	0.05*	2011-05-24		
	0.05*	2011-06-07		
	0.05*	2011-07-28		
	0.05*	2011-08-10		
	0.05*	2011-09-21		
	0.05*	2011-10-21		
	0.05*	2011-11-29		
	0.05*	2011-12-20		

	*0.05**		*Estimated 90P*	
Allaine				
(Station: 06222350)	0.05*	2011-02-23		
	0.05*	2011-04-27		
	0.05*	2011-08-24		
	0.05*	2011-12-13		
	*0.05**		*Estimated 90P*	
Allondon				
(Station: 06999107)	0.05*	2011-01-12		
	0.05*	2011-02-14		
	0.05*	2011-03-14		
	0.05*	2011-04-11		
	0.05*	2011-05-12		
	0.05*	2011-06-15		
	0.05*	2011-07-07		
	0.05*	2011-08-17		
	0.05*	2011-09-12		
	0.05*	2011-10-17		
	0.05*	2011-11-16		
	0.05*	2011-12-19		
	*0.05**		*Estimated 90P*	

Amance				
(Station: 06001180)	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-17		
	*0.05**		*Estimated 90P*	
Ange				
(Station: 06086100)	0.05*	2011-01-12		
	0.05*	2011-02-14		
	0.05*	2011-03-14		
	0.05*	2011-04-11		
	0.05*	2011-05-12		
	0.05*	2011-06-15		
	0.05*	2011-07-07		
	0.05*	2011-08-17		
	0.05*	2011-09-12		
	0.05*	2011-10-17		
	0.05*	2011-11-16		
	0.05*	2011-12-19		
	*0.05**		*Estimated 90P*	
Apance				
(Station: 06000890)	0.05*	2011-02-15		

	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-17		
	*0.05**		*Estimated 90P*	
Arc				
	*0.05**		*Total estimated 90P*	
(Station: 06195000)				
	0.05*	2011-01-20		
	0.05*	2011-05-23		
	0.05*	2011-07-21		
	0.05*	2011-11-21		
	*0.05**		*Estimated 90P*	
(Station: 06139500)				
	0.05*	2011-02-17		
	0.05*	2011-04-20		
	0.05*	2011-08-16		
	0.05*	2011-12-05		
	*0.05**		*Estimated 90P*	
(Station: 06195500)				
	0.05*	2011-01-26		

	0.05*	2011-04-28		
	0.05*	2011-07-27		
	0.05*	2011-10-26		
	*0.05**		*Estimated 90P*	
(Station: 06138150)				
	0.05*	2011-02-17		
	0.05*	2011-04-20		
	0.05*	2011-08-16		
	0.05*	2011-12-05		
	*0.05**		*Estimated 90P*	
Ardèche				
	*0.05**			
(Station: 06115700)			*Total estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-04-26		
	0.05*	2011-08-23		
	0.05*	2011-12-12		
	*0.05**		*Estimated 90P*	
(Station: 06115090)				
	0.05*	2011-01-25		

	0.05*	2011-02-21		
	0.05*	2011-03-28		
	0.05*	2011-04-26		
	0.05*	2011-05-24		
	0.05*	2011-06-28		
	0.05*	2011-07-26		
	0.05*	2011-08-22		
	0.05*	2011-09-27		
	0.05*	2011-10-24		
	0.05*	2011-11-22		
	0.05*	2011-12-12		
(Station: 06114450)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-21		
	0.05*	2011-03-29		
	0.05*	2011-04-26		
	0.05*	2011-05-24		
	0.05*	2011-06-28		
	0.05*	2011-07-26		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-22		

	0.05*	2011-12-12		
	*0.05**			
Ardières			*Estimated 90P*	
(Station: 06051550)	0.05*	2011-02-21		
	0.05*	2011-04-14		
	0.05*	2011-08-24		
	0.05*	2011-12-20		
	*0.05**			
Argens			*Estimated 90P*	
	*0.05**			
(Station: 0626000)				
	0.05*	2011-01-18	*Total estimated 90P*	
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-20		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-19		
	0.05*	2011-11-16		

	0.05*	2011-12-08		
	*0.05**			
	0.05*	2011-01-17	*Estimated 90P*	
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-20		
	0.05*	2011-05-19		
	0.05*	2011-06-22		
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-19		
	0.05*	2011-11-17		
	0.05*	2011-12-07		
	*0.05**			
Arly (Station: 06137000)	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-02-16		
	0.05*	2011-04-20		
	0.05*	2011-05-17		
	0.05*	2011-07-19		

	0.05*	2011-08-16		
	0.05*	2011-11-15		
	0.05*	2011-12-07		
	*0.05**			
Arre				
	*0.05**		*Estimated 90P*	
(Station: 06181906)				
	0.05*	2011-01-18		
	0.05*	2011-01-25	*Total estimated 90P*	
	0.05*	2011-05-16		
	0.05*	2011-05-24		
	0.05*	2011-07-19		
	0.05*	2011-07-26		
	0.05*	2011-11-14		
	0.05*	2011-11-22		
	*0.05**			
(Station: 06063300)				
	0.05*	2011-02-06	*Estimated 90P*	
	0.05*	2011-04-20		
	0.05*	2011-08-17		
	0.05*	2011-12-06		

	*0.05**			
(Station: 06061000)				
	0.05*	2011-01-18		
	0.05*	2011-02-15	*Estimated 90P*	
	0.05*	2011-03-22		
	0.05*	2011-04-20		
	0.05*	2011-05-17		
	0.05*	2011-06-21		
	0.05*	2011-07-19		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-19		
	0.05*	2011-11-15		
	0.05*	2011-12-07		
	*0.05**			
Asse				
(Station: 06159385)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-19		
	0.05*	2011-05-17		
	0.05*	2011-07-20	*Total estimated 90P*	
	0.05*	2011-11-15		

	*0.05**			
(Station: 06159390)				
	0.05*	2011-01-20		
	0.05*	2011-02-15		
	0.05*	2011-03-21	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-05-16		
	0.05*	2011-06-20		
	0.05*	2011-07-21		
	0.05*	2011-08-18		
	0.05*	2011-09-22		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**			
Aude				
(Station: 06175540)	*0.05**			
	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19	*Total estimated 90P*	
	0.05*	2011-05-17		

	0.05*	2011-06-20		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-05		
	*0.05**			
(Station: 06179500)				
	0.05*	2011-01-19		
	0.05*	2011-05-18		
	0.05*	2011-07-21		
	0.05*	2011-11-16	*Estimated 90P*	
	*0.05**			
(Station: 06176000)	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19	*Estimated 90P*	
	0.05*	2011-05-17		
	0.05*	2011-06-20		
	0.05*	2011-07-19		

	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-05		
	*0.05**			
(Station: 06180000)				
	0.05*	2011-01-19		
	0.05*	2011-02-16		
	0.05*	2011-03-24		
	0.05*	2011-04-20	*Estimated 90P*	
	0.05*	2011-05-18		
	0.05*	2011-06-21		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-19		
	0.05*	2011-11-16		
	0.05*	2011-12-06		
	*0.05**			
(Station: 06177000)				
	0.05*	2011-01-20		

	0.05*	2011-05-18		
	0.05*	2011-07-21		
	0.05*	2011-11-16	*Estimated 90P*	
	*0.05**			
(Station: 06180900)				
	0.05*	2011-01-19		
	0.05*	2011-04-20		
	0.05*	2011-07-20		
	0.05*	2011-10-19	*Estimated 90P*	
	*0.05**			
(Station: 06178000)				
	0.05*	2011-01-20		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18	*Estimated 90P*	
	0.05*	2011-05-18		
	0.05*	2011-06-21		
	0.05*	2011-07-21		
	0.05*	2011-08-16		
	0.05*	2011-09-19		
	0.05*	2011-10-17		
	0.05*	2011-11-16		

	0.05*	2011-12-06		
	*0.05**			
Augronne				
(Station: 06408800)	0.05*	2011-01-18		
	0.05*	2011-05-17		
	0.05*	2011-07-20		
	0.05*	2011-11-15		
	*0.05**			
Aulne				
(Station: 04179500)	0.05*	2011-05-05		
	0.05*	2011-05-26		
	0.05*	2011-06-09		
	0.05*	2011-06-28	*Estimated 90P*	
	0.05*	2011-09-21		
	0.05*	2011-09-22		
	0.05*	2011-10-18		
	0.05*	2011-10-19		
	*0.05**			
Autruche				
(Station: 06458450)	0.05*	2011-01-26		

	0.05*	2011-02-23		
	0.05*	2011-03-29		
	0.05*	2011-04-27	*Estimated 90P*	
	0.05*	2011-05-25		
	0.05*	2011-06-29		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-27		
	0.05*	2011-10-18		
	0.05*	2011-11-22		
	0.05*	2011-12-13		
	*0.05**			
Auzon (Station: 06120000)	0.05*	2011-01-24		
	0.05*	2011-02-22		
	0.05*	2011-03-28		
	0.05*	2011-04-27	*Estimated 90P*	
	0.05*	2011-05-23		
	0.05*	2011-06-29		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-21		

	0.05*	2011-12-13		
	*0.05**			
Azergues				
(Station: 06057700)	0.05*	2011-01-17		
	0.05*	2011-05-17		
	0.05*	2011-07-18		
	0.05*	2011-11-22	*Estimated 90P*	
	*0.05**			
Barberolle				
(Station: 06106250)	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-27	*Estimated 90P*	
	0.05*	2011-05-23		
	0.05*	2011-06-27		
	0.05*	2011-07-26		
	0.05*	2011-08-23		
	0.05*	2011-09-26		
	0.05*	2011-10-25		
	0.05*	2011-11-21		
	0.05*	2011-12-13		

	*0.05**			
Berre				
	*0.05**			
(Station: 06175320)				
	0.05*	2011-01-18		
	0.05*	2011-02-16	*Estimated 90P*	
	0.05*	2011-03-21		
	0.05*	2011-04-20		
	0.05*	2011-05-16	*Total estimated 90P*	
	0.05*	2011-06-23		
	0.05*	2011-07-19		
	0.05*	2011-08-18		
	0.05*	2011-09-19		
	0.05*	2011-10-19		
	0.05*	2011-11-14		
	0.05*	2011-12-07		
	*0.05**			
(Station: 06113270)				
	0.05*	2011-01-24		
	0.05*	2011-02-21		
	0.05*	2011-03-30		
	0.05*	2011-04-26	*Estimated 90P*	
	0.05*	2011-05-26		

	0.05*	2011-06-29		
	0.05*	2011-07-25		
	0.05*	2011-11-24		
	0.05*	2011-12-14		
	*0.05**			
Bevera				
(Station: 06700075)	0.05*	2011-01-20		
	0.05*	2011-02-24		
	0.05*	2011-03-18		
	0.05*	2011-04-26		
	0.05*	2011-05-25	*Estimated 90P*	
	0.05*	2011-06-22		
	0.05*	2011-07-18		
	0.05*	2011-08-29		
	0.05*	2011-09-23		
	0.05*	2011-10-27		
	0.05*	2011-11-28		
	0.05*	2011-12-27		
	*0.05**			
Bèze				
(Station: 06006720)	0.05*	2011-01-19		
	0.05*	2011-02-16		

	0.05*	2011-03-23		
	0.05*	2011-04-18		
	0.05*	2011-05-18	*Estimated 90P*	
	0.05*	2011-06-22		
	0.05*	2011-07-19		
	0.05*	2011-08-18		
	0.05*	2011-09-22		
	0.05*	2011-10-19		
	0.05*	2011-11-16		
	0.05*	2011-12-07		
	*0.05**			
Bienne				
(Station: 06085500)	0.05*	2011-02-24		
	0.05*	2011-04-28		
	0.05*	2011-08-25		
	0.05*	2011-12-14		
			Estimated 90P	
	*0.05**			
Bièvre				
(Station: 06016940)	0.05*	2011-02-16		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-06		

			Estimated 90P	
	*0.05**			
Bièvre				
(Station: 06580789)	0.05*	2011-01-13		
	0.05*	2011-02-17		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-24	*Estimated 90P*	
	0.05*	2011-06-24		
	0.05*	2011-07-08		
	0.05*	2011-08-23		
	0.05*	2011-09-19		
	0.05*	2011-10-24		
	0.05*	2011-11-18		
	0.05*	2011-12-13		
	*0.05**			
Blèone				
(Station: 06158000)	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-18		
	0.05*	2011-12-06		
			Estimated 90P	
	*0.05**			

Boivre				
(Station: 04082930)	0.05*	2011-05-10		
	0.05*	2011-06-07		
	0.05*	2011-09-07		
	0.05*	2011-10-04		
			Estimated 90P	
	*0.05**			
Bouble				
(Station: 04041800)	0.05*	2011-09-27		
	0.05*	2011-10-11		
	0.05*	2011-11-03		
	0.05*	2011-12-21		
			Estimated 90P	
	*0.05**			
Boulzane				
(Station: 06300073)	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-21		
	0.05*	2011-04-19		
	0.05*	2011-05-17	*Estimated 90P*	
	0.05*	2011-06-21		
	0.05*	2011-07-19		
	0.05*	2011-08-17		

	0.05*	2011-09-19		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06		
	*0.05**			
Bourbeuse				
(Station: 06456610)	0.05*	2011-01-26		
	0.05*	2011-02-23		
	0.05*	2011-03-29		
	0.05*	2011-04-27		
	0.05*	2011-05-25	*Estimated 90P*	
	0.05*	2011-06-29		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-27		
	0.05*	2011-10-18		
	0.05*	2011-11-22		
	0.05*	2011-12-13		
	*0.05**			
Bourbince				
(Station: 04019700)	0.05*	2011-05-03		
	0.05*	2011-06-06		

	0.05*	2011-09-28		
	0.05*	2011-10-04		
			Estimated 90P	
	*0.05**			
Bourbonne				
(Station: 06045750)	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16	*Estimated 90P*	
	0.05*	2011-06-20		
	0.05*	2011-07-18		
	0.05*	2011-08-18		
	0.05*	2011-09-19		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**			
Boubre				
	*0.05**			
(Station: 06080975)				
	0.05*	2011-01-19		
	0.05*	2011-02-17		

	0.05*	2011-03-22	*Estimated 90P*	
	0.05*	2011-04-19		
	0.05*	2011-05-23		
	0.05*	2011-06-24	*Total estimated 90P*	
	0.05*	2011-07-20		
	0.05*	2011-08-23		
	0.05*	2011-09-20		
	0.05*	2011-10-25		
	0.05*	2011-11-17		
	0.05*	2011-12-13		
(Station: 06082500)	*0.05**			
	0.05*	2011-01-24		
	0.05*	2011-02-18		
	0.05*	2011-03-18		
	0.05*	2011-04-19		
	0.05*	2011-05-30	*Estimated 90P*	
	0.05*	2011-06-24		
	0.05*	2011-07-25		
	0.05*	2011-08-22		
	0.05*	2011-09-16		
	0.05*	2011-10-25		
	0.05*	2011-11-28		
	0.05*	2011-12-13		

	*0.05**			
Bourne				
(Station: 06147840)	0.05*	2011-01-26		
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-21		
	0.05*	2011-05-25		
	0.05*	2011-06-22	*Estimated 90P*	
	0.05*	2011-07-27		
	0.05*	2011-08-29		
	0.05*	2011-09-26		
	0.05*	2011-10-27		
	0.05*	2011-11-23		
	0.05*	2011-12-15		
	*0.05**			
Bragues				
(Station: 06209970)	0.05*	2011-02-17		
	0.05*	2011-04-11		
	0.05*	2011-08-24		
	0.05*	2011-12-15		
	*0.05**		*Estimated 90P*	

Bréda				
(Station: 06140010)	0.05*	2011-01-28		
	0.05*	2011-02-24		
	0.05*	2011-03-30		
	0.05*	2011-04-20		
	0.05*	2011-05-26		
	0.05*	2011-06-22	*Estimated 90P*	
	0.05*	2011-07-29		
	0.05*	2011-08-30		
	0.05*	2011-09-28		
	0.05*	2011-10-26		
	0.05*	2011-11-24		
	0.05*	2011-12-16		
	*0.05**			
Brenne				
(Station: 04054400)	0.05*	2011-05-24		
	0.05*	2011-06-27		
	0.05*	2011-09-26		
	0.05*	2011-10-26		
	*0.05**		*Estimated 90P*	
Bresque				

(Station: 06205060)	0.05*	2011-01-17		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-20		
	0.05*	2011-05-19		
	0.05*	2011-06-22	*Estimated 90P*	
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-19		
	0.05*	2011-11-17		
	0.05*	2011-12-07		
	*0.05**			
Breuchin				
(Station: 06405950)				
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-20		
	0.05*	2011-05-16		
	0.05*	2011-06-21	*Estimated 90P*	
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-21		
	0.05*	2011-10-17		

	0.05*	2011-11-14		
	0.05*	2011-12-06		
	*0.05**			
Brizotte				
(Station: 06110110)	0.05*	2011-01-19		
	0.05*	2011-02-15		
	0.05*	2011-03-23		
	0.05*	2011-04-19		
	0.05*	2011-05-18		
	0.05*	2011-06-22	*Estimated 90P*	
	0.05*	2011-07-20		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-19		
	0.05*	2011-11-17		
	0.05*	2011-12-08		
	*0.05**			
Caddière				
(Station: 06196950)	0.05*	2011-01-26		
	0.05*	2011-04-28		
	0.05*	2011-07-27		
	0.05*	2011-10-26		

	*0.05**		*Estimated 90P*	
Cance				
(Station: 06103500)	0.05*	2011-01-24		
	0.05*	2011-05-23		
	0.05*	2011-07-25		
	0.05*	2011-11-21		
	*0.05**		*Estimated 90P*	
Cavo				
(Station: 06219105)	0.05*	2011-01-18		
	0.05*	2011-02-22		
	0.05*	2011-03-23		
	0.05*	2011-04-27		
	0.05*	2011-05-24		
	0.05*	2011-06-22	*Estimated 90P*	
	0.05*	2011-07-11		
	0.05*	2011-08-08		
	0.05*	2011-09-06		
	0.05*	2011-10-25		
	0.05*	2011-11-23		
	0.05*	2011-12-06		
	*0.05**			

Cesse				
(Station: 06179995)	0.05*	2011-01-19		
	0.05*	2011-02-16		
	0.05*	2011-03-24		
	0.05*	2011-04-20		
	0.05*	2011-05-18		
	0.05*	2011-06-21	*Estimated 90P*	
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-19		
	0.05*	2011-11-16		
	0.05*	2011-12-06		
	*0.05**			
Cèze				
	*0.05**			
(Station: 6121000)				
	0.05*	2011-01-27		
	0.05*	2011-02-21		
	0.05*	2011-03-29		
	0.05*	2011-04-26	*Estimated 90P*	
	0.05*	2011-05-25		
	0.05*	2011-06-29		

	0.05*	2011-07-28	*Total estimated 90P*	
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-23		
	0.05*	2011-12-14		
	*0.05**			
(Station: 06119000)				
	0.05*	2011-02-22		
	0.05*	2011-04-27		
	0.05*	2011-08-23		
	0.05*	2011-12-13		
	*0.05**		*Estimated 90P*	
Chalaronne (Station: 06050820)	0.05*	2011-01-17		
	0.05*	2011-02-21		
	0.05*	2011-03-15		
	0.05*	2011-04-14		
	0.05*	2011-05-17		
	0.05*	2011-06-27	*Estimated 90P*	
	0.05*	2011-07-18		
	0.05*	2011-08-24		

	0.05*	2011-09-13		
	0.05*	2011-10-20		
	0.05*	2011-11-22		
	0.05*	2011-12-20		
	*0.05**			
Cians				
(Station: 06710100)	0.05*	2011-01-24		
	0.05*	2011-02-28		
	0.05*	2011-03-23		
	0.05*	2011-04-13		
	0.05*	2011-05-18		
	0.05*	2011-06-20		
	0.05*	2011-07-25	*Estimated 90P*	
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-20		
	0.05*	2011-11-29		
	0.05*	2011-12-28		
	*0.05**			
Clarée				
(Station: 06149900)	0.05*	2011-01-13		
	0.05*	2011-02-07		

	0.05*	2011-03-14		
	0.05*	2011-04-12		
	0.05*	2011-05-20		
	0.05*	2011-06-27		
	0.05*	2011-07-26	*Estimated 90P*	
	0.05*	2011-08-23		
	0.05*	2011-09-19		
	0.05*	2011-10-26		
	0.05*	2011-11-29		
	0.05*	2011-12-15		
	*0.05**			
Colostre				
(Station: 06161400)	0.05*	2011-01-20		
	0.05*	2011-05-16		
	0.05*	2011-07-21		
	0.05*	2011-11-14		
	*0.05**		*Estimated 90P*	
Coney				
(Station: 06000997)	0.05*	2011-01-19		
	0.05*	2011-05-17		
	0.05*	2011-07-20		
	0.05*	2011-11-15		

	*0.05**		*Estimated 90P*	
Coulomp				
(Station: 06710029)	0.05*	2011-01-19		
	0.05*	2011-02-07		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
	0.05*	2011-06-22		
	0.05*	2011-07-20	*Estimated 90P*	
	0.05*	2011-08-17		
	0.05*	2011-09-21		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06		
	*0.05**			
Coulon				
	*0.05**			
(Station: 06163900)				
	0.05*	2011-01-20		
	0.05*	2011-02-22		
	0.05*	2011-03-28		
	0.05*	2011-04-18		

	0.05*	2011-05-24	*Estimated 90P*	
	0.05*	2011-06-20		
	0.05*	2011-07-21		
	0.05*	2011-08-23	*Total estimated 90P*	
	0.05*	2011-09-22		
	0.05*	2011-10-17		
	0.05*	2011-11-22		
	0.05*	2011-12-05		
	*0.05**			
(Station: 06165050)				
	0.05*	2011-02-22		
	0.05*	2011-04-27		
	0.05*	2011-08-23		
	0.05*	2011-12-13		
	*0.05**			
Crieulon (Station: 06178025)			*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-29		
	0.05*	2011-04-27		
	0.05*	2011-05-25		
	0.05*	2011-06-28		

	0.05*	2011-07-26		
	0.05*	2011-08-25	*Estimated 90P*	
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-23		
	0.05*	2011-12-14		
	*0.05**			
Cuisance				
(Station: 06468000)	0.05*	2011-02-22		
	0.05*	2011-04-26		
	0.05*	2011-08-23		
	0.05*	2011-12-12		
	*0.05**			
Cusancin			*Estimated 90P*	
(Station: 06462950)	0.05*	2011-01-25		
	0.05*	2011-05-25		
	0.05*	2011-07-26		
	0.05*	2011-11-22		
	*0.05**			
Dessoubre			*Estimated 90P*	

(Station: 06020500)	0.05*	2011-01-26		
	0.05*	2011-05-25		
	0.05*	2011-07-26		
	0.05*	2011-11-22		
	*0.05**			
Dheune			*Estimated 90P*	
(Station: 06035690)	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-29		
	0.05*	2011-04-27		
	0.05*	2011-05-25		
	0.05*	2011-06-28		
	0.05*	2011-07-26		
	0.05*	2011-08-25	*Estimated 90P*	
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-23		
	0.05*	2011-12-14		
	*0.05**			
Dolon				
(Station: 06101000)	0.05*	2011-01-25		
	0.05*	2011-02-28		

	0.05*	2011-03-17		
	0.05*	2011-04-19		
	0.05*	2011-12-13		
	*0.05**		*Estimated 90P*	
Dore				
	*0.05**			
(Station: 04039000)				
	0.05*	2011-05-09		
	0.05*	2011-06-14		
	0.05*	2011-09-27		
	0.05*	2011-10-11		
	*0.05**		*Estimated 90P*	
(Station: 04037900)				
	0.05*	2011-05-09	*Total estimated 90P*	
	0.05*	2011-06-14		
	0.05*	2011-09-27		
	0.05*	2011-10-11		
	*0.05**			
Doron				
	*0.05**		*Estimated 90P*	

(Station: 06137560)				
	0.05*	2011-01-18		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-27		
	0.05*	2011-05-25		
	0.05*	2011-06-22		
	0.05*	2011-07-21	*Estimated 90P*	
	0.05*	2011-08-16		
	0.05*	2011-09-21		
	0.05*	2011-10-17	*Total estimated 90P*	
	0.05*	2011-11-17		
	0.05*	2011-12-05		
	*0.05**			
(Station: 06134000)				
	0.05*	2011-01-19		
	0.05*	2011-05-18		
	0.05*	2011-07-20		
	0.05*	2011-11-16		
	*0.05**			
(Station: 06133350)				
	0.05*	2011-01-19		

	0.05*	2011-02-16	*Estimated 90P*	
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-20	*Estimated 90P*	
	0.05*	2011-11-16		
	0.05*	2011-12-08		
	*0.05**			
Doubs				
	*0.05**			
(Station: 06018200)				
	0.05*	2011-01-27		
	0.05*	2011-02-24		
	0.05*	2011-03-30		
	0.05*	2011-04-28		
	0.05*	2011-05-26		
	0.05*	2011-06-30		
	0.05*	2011-07-27		
	0.05*	2011-08-25	*Estimated 90P*	
	0.05*	2011-09-28		

	0.05*	2011-10-27		
	0.05*	2011-11-23	*Total estimated 90P*	
	0.05*	2011-12-14		
	*0.05**			
(Station: 06027000)				
	0.05*	2011-02-23		
	0.05*	2011-04-27		
	0.05*	2011-08-24		
	0.05*	2011-12-13		
	*0.05**			
(Station: 06031200)				
	0.05*	2011-02-15		
	0.05*	2011-04-20	*Estimated 90P*	
	0.05*	2011-08-17		
	0.05*	2011-12-08		
	*0.05**			
(Station: 06020100)				
	0.05*	2011-02-23		
	0.05*	2011-04-27	*Estimated 90P*	
	0.05*	2011-08-24		

	0.05*	2011-12-13		
	*0.05**			
(Station: 06018185)				
	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-29	*Estimated 90P*	
	0.05*	2011-04-21		
	0.05*	2011-05-25		
	0.05*	2011-06-29		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-27		
	0.05*	2011-10-26		
	0.05*	2011-11-22	*Estimated 90P*	
	0.05*	2011-12-13		
	*0.05**			
(Station: 06017200)				
	0.05*	2011-01-27		
	0.05*	2011-02-24		
	0.05*	2011-03-30		
	0.05*	2011-04-28		
	0.05*	2011-05-26		

	0.05*	2011-06-30		
	0.05*	2011-07-27		
	0.05*	2011-08-25		
	0.05*	2011-09-28		
	0.05*	2011-10-27		
	0.05*	2011-11-23	*Estimated 90P*	
	0.05*	2011-12-14		
	*0.05**			
(Station: 06021000)				
	0.05*	2011-01-26		
	0.05*	2011-05-25		
	0.05*	2011-07-26		
	0.05*	2011-11-22		
	*0.05**			
(Station: 06018500)				
	0.05*	2011-02-23		
	0.05*	2011-04-27		
	0.05*	2011-08-24	*Estimated 90P*	
	0.05*	2011-12-13		
	*0.05**			

(Station: 06035500)				
	0.05*	2011-01-18		
	0.05*	2011-05-17		
	0.05*	2011-07-18	*Estimated 90P*	
	0.05*	2011-11-15		
	*0.05**			
(Station: 06029100)				
	0.05*	2011-01-27		
	0.05*	2011-02-24		
	0.05*	2011-03-30	*Estimated 90P*	
	0.05*	2011-04-28		
	0.05*	2011-05-26		
	0.05*	2011-06-30		
	0.05*	2011-07-27		
	0.05*	2011-08-25		
	0.05*	2011-09-28		
	0.05*	2011-10-27		
	0.05*	2011-11-23	*Estimated 90P*	
	0.05*	2011-12-14		
	*0.05**			
(Station: 06027700)				
	0.05*	2011-01-25		

	0.05*	2011-02-22		
	0.05*	2011-03-29		
	0.05*	2011-04-21		
	0.05*	2011-05-25		
	0.05*	2011-06-20		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-27		
	0.05*	2011-10-26		
	0.05*	2011-11-17	*Estimated 90P*	
	0.05*	2011-12-08		
	*0.05**			
Doux				
(Station: 06106030)	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-30		
	0.05*	2011-04-27		
	0.05*	2011-05-25		
	0.05*	2011-06-27		
	0.05*	2011-07-26		
	0.05*	2011-08-22		
	0.05*	2011-09-29		
	0.05*	2011-10-25		
	0.05*	2011-11-22	*Estimated 90P*	

	0.05*	2011-12-14		
	*0.05**			
Drac				
	*0.05**			
(Station: 06146500)				
	0.05*	2011-01-26		
	0.05*	2011-05-25		
	0.05*	2011-07-27		
	0.05*	2011-11-23		
	*0.05**			
(Station: 06820118)				
	0.05*	2011-01-27	*Estimated 90P*	
	0.05*	2011-02-24		
	0.05*	2011-03-29		
	0.05*	2011-04-20	*Total estimated 90P*	
	0.05*	2011-05-25		
	0.05*	2011-06-27		
	0.05*	2011-07-28		
	0.05*	2011-08-30		
	0.05*	2011-09-27		
	0.05*	2011-10-26		
	0.05*	2011-11-23		

	0.05*	2011-12-16	*Estimated 90P*	
	*0.05**			
Drac Blanc				
(Station: 06142450)	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-24		
	0.05*	2011-04-19		
	0.05*	2011-05-13		
	0.05*	2011-06-30		
	0.05*	2011-07-25		
	0.05*	2011-08-19		
	0.05*	2011-09-27		
	0.05*	2011-10-28		
	0.05*	2011-11-24		
	0.05*	2011-12-22	*Estimated 90P*	
	*0.05**			
Dranse				
	*0.05**			
(Station: 06066000)				
	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-17		

	0.05*	2011-12-06		
	*0.05**			
(Station: 06580926)				
	0.05*	2011-01-18		
	0.05*	2011-02-15	*Estimated 90P*	
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17	*Total estimated 90P*	
	0.05*	2011-06-21		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06	*Estimated 90P*	
	*0.05**			
Drôme				
	*0.05**			
(Station: 06109050)				
	0.05*	2011-02-22		
	0.05*	2011-04-28		
	0.05*	2011-12-13		

	*0.05**			
(Station: 06108000)				
	0.05*	2011-01-26		
	0.05*	2011-02-22		
	0.05*	2011-03-29		
	0.05*	2011-04-28	*Estimated 90P*	
	0.05*	2011-05-24		
	0.05*	2011-06-29		
	0.05*	2011-07-28	*Total estimated 90P*	
	0.05*	2011-08-23		
	0.05*	2011-09-27		
	0.05*	2011-10-26		
	0.05*	2011-11-23		
	0.05*	2011-12-13		
	*0.05**		*Estimated 90P*	
Droude				
(Station: 06129550)	0.05*	2011-01-24		
	0.05*	2011-02-22		
	0.05*	2011-03-30		
	0.05*	2011-04-28		
	0.05*	2011-05-23		
	0.05*	2011-06-29		

	0.05*	2011-07-28		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-26		
	0.05*	2011-11-21		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
Drugeon				
(Station: 06018150)	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-27		
	0.05*	2011-11-23		
	*0.05**			
Durance				
	*0.05**			
(Station: 06151000)				
	0.05*	2011-01-24		
	0.05*	2011-02-22		
	0.05*	2011-03-30		
	0.05*	2011-04-28	*Estimated 90P*	
	0.05*	2011-05-23		
	0.05*	2011-06-29		

	0.05*	2011-07-28		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-26		
	0.05*	2011-11-21		
	0.05*	2011-12-14	*Estimated 90P*	
	*0.05**		*Total estimated 90P*	
(Station: 06152700)				
	0.05*	2011-01-31		
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-28		
	0.05*	2011-05-30		
	0.05*	2011-06-20		
	0.05*	2011-07-13		
	0.05*	2011-08-25		
	0.05*	2011-09-20		
	0.05*	2011-10-25		
	0.05*	2011-11-28		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
(Station: 06150500)				

	0.05*	2011-01-13		
	0.05*	2011-02-07		
	0.05*	2011-03-14		
	0.05*	2011-04-12		
	0.05*	2011-05-20		
	0.05*	2011-06-27		
	0.05*	2011-07-26		
	0.05*	2011-08-23		
	0.05*	2011-09-19		
	0.05*	2011-10-26		
	0.05*	2011-11-29		
	0.05*	2011-12-15		
(Station: 06162000)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-20		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
	0.05*	2011-06-20		
	0.05*	2011-07-21		
	0.05*	2011-08-19		
	0.05*	2011-09-22		
	0.05*	2011-10-17		

	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**		*Estimated 90P*	
(Station: 06159800)				
	0.05*	2011-01-20		
	0.05*	2011-05-16		
	0.05*	2011-07-21		
	0.05*	2011-11-14		
	*0.05**			
(Station: 06159000)				
	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-18		
	0.05*	2011-12-06		
	*0.05**		*Estimated 90P*	
Durgeon (Station	0.05*	2011-02-14		
	0.05*	2011-04-20		
	0.05*	2011-08-16		
	0.05*	2011-12-06		

	*0.05**		*Estimated 90P*	
Eau Morte				
(Station: 06830079)	0.05*	2011-01-18		
	0.05*	2011-02-16		
	0.05*	2011-03-21		
	0.05*	2011-04-20		
	0.05*	2011-05-17		
	0.05*	2011-06-22		
	0.05*	2011-07-19	*Estimated 90P*	
	0.05*	2011-08-16		
	0.05*	2011-09-19		
	0.05*	2011-10-19		
	0.05*	2011-11-15		
	0.05*	2011-12-07		
	*0.05**		*Estimated 90P*	
Eau Salée				
(Station: 06202860)	0.05*	2011-01-17		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-19		
	0.05*	2011-06-22		

	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-20		
	0.05*	2011-11-17		
	0.05*	2011-12-07		
	*0.05**		*Estimated 90P*	
Ebron				
(Station: 06580884)	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-28		
	0.05*	2011-11-24		
	*0.05**			
Elorn				
(Station: 04178000)	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-28		
	0.05*	2011-11-24		
	*0.05**		*Estimated 90P*	
Esteron				

(Station: 06212600)	0.05*	2011-01-14		
	0.05*	2011-02-17		
	0.05*	2011-03-24		
	0.05*	2011-04-13		
	0.05*	2011-05-19		
	0.05*	2011-06-20		
	0.05*	2011-07-25	*Estimated 90P*	
	0.05*	2011-09-28		
	0.05*	2011-10-20		
	0.05*	2011-11-25		
	0.05*	2011-12-15		
	*0.05**			
Eygues			*Estimated 90P*	
(Station: 06116720)	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-28		
	0.05*	2011-11-24		
	*0.05**			
Eyrieux				
	*0.05**			
(Station: 06107900)				
	0.05*	2011-01-25		

	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-27		
	0.05*	2011-05-24	*Estimated 90P*	
	0.05*	2011-06-27		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-28		
	0.05*	2011-10-25		
	0.05*	2011-11-22		
	0.05*	2011-12-14	*Estimated 90P*	
	*0.05**			
(Station: 06106920)			*Total estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-30		
	0.05*	2011-04-27		
	0.05*	2011-05-24		
	0.05*	2011-06-27		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-29		
	0.05*	2011-10-25		
	0.05*	2011-11-22		

	0.05*	2011-12-14		
	*0.05**			
Fango			*Estimated 90P*	
(Station: 06222600)	0.05*	2011-01-11		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-20		
	0.05*	2011-05-17		
	0.05*	2011-06-07		
	0.05*	2011-07-19		
	0.05*	2011-08-10		
	0.05*	2011-09-21		
	0.05*	2011-10-19		
	0.05*	2011-11-08		
	0.05*	2011-12-01		
	*0.05**			
Fier			*Estimated 90P*	
	*0.05**			
(Station: 06071900)				
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-17		

	0.05*	2011-12-05		
	*0.05**			
(Station: 06070100)				
	0.05*	2011-02-14		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-05		
	*0.05**		*Estimated 90P*	
Fium				
(Station: 06219000)	*0.05**		*Total estimated 90P*	
	0.05*	2011-01-18		
	0.05*	2011-02-22		
	0.05*	2011-03-08		
	0.05*	2011-04-05		
	0.05*	2011-05-17		
	0.05*	2011-06-29	*Estimated 90P*	
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-06		
	0.05*	2011-10-20		
	0.05*	2011-11-15		

	0.05*	2011-12-20		
	*0.05**		*Estimated 90P*	
Station: 06215700)				
	0.05*	2011-02-08		
	0.05*	2011-04-14	*Total estimated*	
	0.05*	2011-08-09	*90P*	
	0.05*	2011-12-14		
	*0.05**			
Fresquel				
(Station: 06177950)	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
	0.05*	2011-06-21		
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-19	*Estimated 90P*	
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-06		

	*0.05**			
Furan				
(Station: 04008000)	0.05*	2011-09-27	*Estimated 90P*	
	0.05*	2011-10-18		
	0.05*	2011-11-09		
	0.05*	2011-12-19		
	*0.05**			
Furans				
(Station: 06077000)	0.05*	2011-01-13		
	0.05*	2011-02-16		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-13		
	0.05*	2011-06-24		
	0.05*	2011-07-08		
	0.05*	2011-08-19		
	0.05*	2011-09-19	*Estimated 90P*	
	0.05*	2011-10-24		
	0.05*	2011-11-08		
	0.05*	2011-12-14		
	*0.05**			

Fure				
(Station: 06147140)	0.05*	2011-01-19	*Estimated 90P*	
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-21		
	0.05*	2011-05-23		
	0.05*	2011-06-22		
	0.05*	2011-07-20		
	0.05*	2011-08-29		
	0.05*	2011-09-26		
	0.05*	2011-10-27		
	0.05*	2011-11-17		
	0.05*	2011-12-15		
	*0.05**			
Furieuse				
(Station: 06940940)	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-03-28		
	0.05*	2011-04-26		
	0.05*	2011-05-24		
	0.05*	2011-06-28		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-26		

	0.05*	2011-10-26		
	0.05*	2011-11-21		
	0.05*	2011-12-12		
	*0.05**			
Gapeau				
(Station: 06300092)	0.05*	2011-01-17	*Estimated 90P*	
	0.05*	2011-02-16		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-19		
	0.05*	2011-10-20		
	0.05*	2011-11-16		
	0.05*	2011-12-07		
	*0.05**			
Gard				
(Station: 06129700)	0.05*	2011-01-24	*Estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-03-30		

	0.05*	2011-04-28		
	0.05*	2011-05-23		
	0.05*	2011-06-29		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-26		
	0.05*	2011-11-21		
	0.05*	2011-12-14		
Gardon d'Alès (Station: 06128000)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-24		
	0.05*	2011-02-22		
	0.05*	2011-03-30		
	0.05*	2011-04-27		
	0.05*	2011-05-23		
	0.05*	2011-06-29		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-25		
	0.05*	2011-11-21		

	0.05*	2011-12-13		
	*0.05**		*Estimated 90P*	
(Station: 06129000)				
	0.05*	2011-02-23		
	0.05*	2011-04-28	*Total estimated 90P*	
	0.05*	2011-08-24		
	0.05*	2011-12-14		
	*0.05**			
(Station: 06128620)				
	0.05*	2011-02-23		
	0.05*	2011-04-28		
	0.05*	2011-08-24		
	0.05*	2011-12-14		
	*0.05**			
(Station: 06128720)				
	0.05*	2011-02-23	*Estimated 90P*	
	0.05*	2011-04-28		
	0.05*	2011-08-24		
	0.05*	2011-12-14		

	*0.05**			
Gaudre d'Aureille				
(Station: 06196500)	0.05*	2011-01-26		
	0.05*	2011-02-22	*Estimated 90P*	
	0.05*	2011-03-29		
	0.05*	2011-04-28		
	0.05*	2011-05-24		
	0.05*	2011-06-28		
	0.05*	2011-07-27		
	0.05*	2011-08-23		
	0.05*	2011-09-27		
	0.05*	2011-10-26	*Estimated 90P*	
	0.05*	2011-11-22		
	0.05*	2011-12-13		
	*0.05**			
Gère				
(Station: 06100000)	0.05*	2011-01-25		
	0.05*	2011-02-28	*Estimated 90P*	
	0.05*	2011-03-18		
	0.05*	2011-04-19		
	0.05*	2011-05-30		
	0.05*	2011-06-24		
	0.05*	2011-07-26		

	0.05*	2011-08-26		
	0.05*	2011-09-16		
	0.05*	2011-10-25		
	0.05*	2011-11-28		
	0.05*	2011-12-13		
	*0.05**			
Gier				
	*0.05**			
(Station: 06097000)			*Estimated 90P*	
	0.05*	2011-01-18		
	0.05*	2011-05-18		
	0.05*	2011-07-19		
	0.05*	2011-11-14		
	*0.05**			
(Station: 06095000)				
	0.05*	2011-02-28		
	0.05*	2011-04-19		
	0.05*	2011-08-26		
	0.05*	2011-12-12		
	*0.05**			

Giscle			*Estimated 90P*	
(Station: 06207000)	0.05*	2011-01-18		
	0.05*	2011-02-17		
	0.05*	2011-03-23	*Total estimated 90P*	
	0.05*	2011-04-20		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-11-16		
	0.05*	2011-12-08		
			Estimated 90P	
	*0.05**			
Gland				
(Station: 06021500)	0.05*	2011-01-26		
	0.05*	2011-05-25		
	0.05*	2011-07-26		
	0.05*	2011-11-12		
			Estimated 90P	
	*0.05**			
Glandon				
(Station: 06580713)	0.05*	2011-02-17		
	0.05*	2011-04-20		
	0.05*	2011-08-16		

	0.05*	2011-12-05		
	*0.05**			
Gourgeonne				
(Station: 06003850)	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-20		
	0.05*	2011-05-18		
	0.05*	2011-06-21	*Estimated 90P*	
	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-19		
	0.05*	2011-10-19		
	0.05*	2011-11-16	*Estimated 90P*	
	0.05*	2011-12-06		
	*0.05**			
Gresse				
(Station: 06580960)	0.05*	2011-01-28		
	0.05*	2011-02-24		
	0.05*	2011-03-29	*Estimated 90P*	
	0.05*	2011-04-20		
	0.05*	2011-05-25		

	0.05*	2011-06-23		
	0.05*	2011-07-28		
	0.05*	2011-08-30		
	0.05*	2011-09-26		
	0.05*	2011-10-26		
	0.05*	2011-11-23		
	0.05*	2011-12-16		
	*0.05**			
Grosne				
(Station: 06039960)	0.05*	2011-01-17		
	0.05*	2011-05-16		
	0.05*	2011-07-18	*Estimated 90P*	
	0.05*	2011-11-14		
	*0.05**			
Guiers Mort				
(Station: 06078200)	0.05*	2011-01-19		
	0.05*	2011-02-25		
	0.05*	2011-03-22		
	0.05*	2011-04-22		
	0.05*	2011-05-27		
	0.05*	2011-06-23		
	0.05*	2011-07-20		

	0.05*	2011-08-31		
	0.05*	2011-09-20		
	0.05*	2011-10-28		
	0.05*	2011-11-25	*Estimated 90P*	
	0.05*	2011-12-16		
	*0.05**			
Guiers Vif				
(Station: 06580559)	0.05*	2011-01-19		
	0.05*	2011-02-25		
	0.05*	2011-03-22	*Estimated 90P*	
	0.05*	2011-04-22		
	0.05*	2011-05-27		
	0.05*	2011-06-23		
	0.05*	2011-07-20		
	0.05*	2011-08-31		
	0.05*	2011-09-20		
	0.05*	2011-10-28		
	0.05*	2011-11-25		
	0.05*	2011-12-16		
	*0.05**			
Hérault				
	*0.05**			

(Station: 06183500)				
	0.05*	2011-01-27	*Estimated 90P*	
	0.05*	2011-02-17		
	0.05*	2011-03-28		
	0.05*	2011-04-21		
	0.05*	2011-05-23		
	0.05*	2011-06-27		
	0.05*	2011-07-28		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-20		
	0.05*	2011-11-21		
	0.05*	2011-12-13		
	*0.05**			
(Station: 06182050)				
	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-03-29		
	0.05*	2011-04-27		
	0.05*	2011-05-24		
	0.05*	2011-06-28		
	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-27		

	0.05*	2011-10-25		
	0.05*	2011-11-22		
	0.05*	2011-12-14		
	*0.05**			
(Station: 06181910)				
	0.05*	2011-02-22		
	0.05*	2011-04-27		
	0.05*	2011-08-24	*Estimated 90P*	
	0.05*	2011-12-14		
	*0.05**			
Herbasse				
(Station: 06580890)	0.05*	2011-01-24		
	0.05*	2011-02-21		
	0.05*	2011-03-28		
	0.05*	2011-04-26		
	0.05*	2011-05-23		
	0.05*	2011-06-27		
	0.05*	2011-07-25		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-21	*Estimated 90P*	

	0.05*	2011-12-12		
	*0.05**			
Huert				
(Station: 06580766)	0.05*	2011-11-18		
	*0.05**		*Estimated 90P*	
Huveaune				
(Station: 06198100)	0.05*	2011-01-26		
	0.05*	2011-04-28		
	0.05*	2011-07-27		
	0.05*	2011-10-26		
	*0.05**			
Ibie				
(Station: 06115080)	0.05*	2011-01-25		
	0.05*	2011-02-21		
	0.05*	2011-03-28		
	0.05*	2011-04-26		
	0.05*	2011-05-24		
	0.05*	2011-06-28	*Estimated 90P*	
	0.05*	2011-08-22		
	0.05*	2011-10-24		

	0.05*	2011-11-22		
	0.05*	2011-12-12		
			Estimated 90P	
	*0.05**			
Isère				
	*0.05**			
(Station: 06149500)				
	0.05*	2011-02-21		
	0.05*	2011-04-26		
	0.05*	2011-08-22	*Estimated 90P*	
	0.05*	2011-12-12		
	*0.05**			
(Station: 06148200)				
	0.05*	2011-01-26		
	0.05*	2011-02-24		
	0.05*	2011-03-28		
	0.05*	2011-04-21		
	0.05*	2011-05-25		
	0.05*	2011-06-22		
	0.05*	2011-07-27		
	0.05*	2011-08-29		
	0.05*	2011-09-26	*Estimated 90P*	
	0.05*	2011-10-27		

	0.05*	2011-11-23		
	0.05*	2011-12-15	*Total estimated 90P*	
	*0.05**			
(Station: 06134500)				
	0.05*	2011-01-19		
	0.05*	2011-05-18		
	0.05*	2011-07-20	*Estimated 90P*	
	0.05*	2011-11-16		
	*0.05**			
(Station: 06137200)				
	0.05*	2011-01-18		
	0.05*	2011-02-17		
	0.05*	2011-03-21		
	0.05*	2011-04-21		
	0.05*	2011-05-19		
	0.05*	2011-06-23		
	0.05*	2011-07-21		
	0.05*	2011-08-29		
	0.05*	2011-09-19		
	0.05*	2011-10-20		
	0.05*	2011-11-17	*Estimated 90P*	
	0.05*	2011-12-08		

	*0.05**			
(Station: 06141900)				
	0.05*	2011-02-24		
	0.05*	2011-04-20		
	0.05*	2011-08-30		
	0.05*	2011-12-15	*Estimated 90P*	
	*0.05**			
(Station: 06133600)				
	0.05*	2011-01-19		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-20		
	0.05*	2011-11-16		
	0.05*	2011-12-08	*Estimated 90P*	
	*0.05**			

(Station: 06141000)				
	0.05*	2011-01-28		
	0.05*	2011-05-26		
	0.05*	2011-07-29		
	0.05*	2011-11-24	*Estimated 90P*	
	*0.05**			
(Station: 06147200)				
	0.05*	2011-02-23		
	0.05*	2011-04-21		
	0.05*	2011-08-29		
	0.05*	2011-12-15		
	*0.05**			
(Station: 06147250)				
	0.05*	2011-01-26		
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-21	*Estimated 90P*	
	0.05*	2011-05-25		
	0.05*	2011-06-22		
	0.05*	2011-07-27		
	0.05*	2011-08-29		

	0.05*	2011-09-26		
	0.05*	2011-10-27		
	0.05*	2011-11-23		
	0.05*	2011-12-15	*Estimated 90P*	
	*0.05**			
(Station: 06147130)				
	0.05*	2011-02-23		
	0.05*	2011-04-22		
	0.05*	2011-08-29		
	0.05*	2011-12-15	*Estimated 90P*	
	*0.05**			
(Station: 06132900)				
	0.05*	2011-01-19		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-20		

	0.05*	2011-11-16		
	0.05*	2011-12-15	*Estimated 90P*	
	*0.05**			
Issole				
(Station: 06204550)	0.05*	2011-01-19		
	0.05*	2011-02-17		
	0.05*	2011-03-23		
	0.05*	2011-04-21	*Estimated 90P*	
	0.05*	2011-05-18		
	0.05*	2011-06-23		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-20		
	0.05*	2011-11-16		
	0.05*	2011-12-15		
	*0.05**			
Jabron				
	*0.05**			
(Station: 06111555)				
	0.05*	2011-01-19		
	0.05*	2011-02-16	*Estimated 90P*	

	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
	0.05*	2011-06-22		
	0.05*	2011-07-20		
	0.05*	2011-08-17		
	0.05*	2011-09-21		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-07		
(Station: 06580300)	*0.05**			
	0.05*	2011-01-19		
	0.05*	2011-02-15	*Estimated 90P*	
	0.05*	2011-03-22		
	0.05*	2011-04-18		
	0.05*	2011-05-16	*Total estimated 90P*	
	0.05*	2011-06-21		
	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-06		

	*0.05**			
Jonche				
(Station: 06142687)	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-28		
	0.05*	2011-11-24		
			Estimated 90P	
	*0.05**			
L' Aa Rivière				
(Station: 01101000)	0.045*	2011-01-19		
	0.045*	2011-02-16		
	0.045*	2011-03-18		
	0.045*	2011-04-28		
	0.045*	2011-05-24		
	0.045*	2011-06-27		
	0.045*	2011-07-26		
	0.045*	2011-08-25		
	0.045*	2011-09-29		
	0.045*	2011-10-25		
	0.045*	2011-11-16		
	0.045*	2011-12-06		
			Estimated 90P	
	*0.045**			

L' Authie				
(Station: 01101000)	0.045*	2011-01-19		
	0.045*	2011-02-08		
	0.045*	2011-03-09		
	0.045*	2011-04-06		
	0.045*	2011-05-05	*Estimated 90P*	
	0.045*	2011-06-06		
	0.045*	2011-07-04		
	0.045*	2011-08-01		
	0.045*	2011-09-14		
	0.045*	2011-10-19		
	0.045*	2011-11-15		
	0.045*	2011-12-15		
	*0.045**			
La Corréze				
(Station: 05053975)	0.05*	2011-03-21		
	0.05*	2011-07-25		
	0.05*	2011-09-19		
	0.05*	2011-11-21		
			Estimated 90P	
	*0.05**			
La Barbuise				

(Station: 03020145)	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
	0.15*	2011-05-24		
	0.15*	2011-06-28		
	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22		
	0.15*	2011-12-15		
	*0.15**			
La Barse				
	*0.15**			
(Station: 03096650)				
	0.15*	2011-01-17		
	0.15*	2011-02-16		
	0.15*	2011-03-14	*Estimated 90P*	
	0.15*	2011-04-21		
	0.15*	2011-05-16		
	0.15*	2011-06-22		
	0.15*	2011-07-25		
	0.15*	2011-08-24		

	0.15*	2011-09-19		
	0.15*	2011-10-20		
	0.15*	2011-11-14		
	0.15*	2011-12-13		
	*0.15**			
(Station: 03008505)				
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22	*Estimated 90P*	
	0.15*	2011-04-27		
	0.15*	2011-05-24		
	0.15*	2011-06-28	*Total estimated 90P*	
	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22		
	0.15*	2011-12-13		
	*0.15**			
La Blaise				
	*0.15**			
(Station: 03193520)				

	0.15*	2011-01-10		
	0.15*	2011-02-21		
	0.15*	2011-03-07		
	0.15*	2011-04-11	*Estimated 90P*	
	0.15*	2011-05-10		
	0.15*	2011-06-06		
	0.15*	2011-07-25		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-03		
	0.15*	2011-11-07		
	0.15*	2011-12-05		
	*0.15**			
(Station: 03090470)				
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-13		
	0.15*	2011-04-27	*Estimated 90P*	
	0.15*	2011-05-10		
	0.15*	2011-06-15		
	0.15*	2011-07-19	*Total estimated 90P*	
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		

	0.15*	2011-11-08		
	0.15*	2011-12-06		
	*0.15**			
La Bresle				
(Station: 03208000)	0.15*	2011-01-18		
	0.15*	2011-02-16		
	0.15*	2011-03-15		
	0.15*	2011-04-19		
	0.15*	2011-05-17		
	0.15*	2011-06-21		
	0.15*	2011-07-19	*Estimated 90P*	
	0.15*	2011-08-23		
	0.15*	2011-09-20		
	0.15*	2011-10-25		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
La Cance				
(Station: 03271415)	0.15*	2011-01-13		
	0.15*	2011-02-17		
	0.15*	2011-03-17		
	0.15*	2011-04-11		

	0.15*	2011-05-12		
	0.15*	2011-06-22		
	0.15*	2011-07-21	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-23		
	0.15*	2011-10-19		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
	*0.15**			
La Canche				
(Station: 01094000)	0.045*	2011-01-13		
	0.045*	2011-02-09		
	0.045*	2011-03-10		
	0.045*	2011-04-11		
	0.045*	2011-05-05		
	0.045*	2011-06-17		
	0.045*	2011-07-04	*Estimated 90P*	
	0.045*	2011-08-01		
	0.045*	2011-09-15		
	0.045*	2011-10-18		
	0.045*	2011-11-16		
	0.045*	2011-12-14		
	*0.045**			

La Charentonne				
(Station: 03223200)	0.15*	2011-01-12		
	0.15*	2011-02-23		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-12		
	0.15*	2011-06-08		
	0.15*	2011-07-27	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
La Clarence				
(Station: 01069000)	0.045*	2011-02-14		
	0.045*	2011-03-22		
	0.045*	2011-04-20		
	0.045*	2011-05-16		
	0.045*	2011-06-23		
	0.045*	2011-07-15		
	0.045*	2011-08-23	*Estimated 90P*	
	0.045*	2011-09-09		

	0.045*	2011-10-10		
	0.045*	2011-11-07		
	0.045*	2011-12-19		
	*0.045**			
La Clery				
(Station: 03053310)	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10		
	0.15*	2011-06-07		
	0.15*	2011-07-06		
	0.15*	2011-08-09	*Estimated 90P*	
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
La Coole				
(Station: 0310330)	0.15*	2011-01-18		
	0.15*	2011-02-16		
	0.15*	2011-03-15		

	0.15*	2011-04-20		
	0.15*	2011-05-17		
	0.15*	2011-06-22		
	0.15*	2011-07-26	*Estimated 90P*	
	0.15*	2011-08-24		
	0.15*	2011-09-20		
	0.15*	2011-10-19		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
La Cure (Station: 03033200)	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-11		
	0.15*	2011-06-08		
	0.15*	2011-07-06	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-12		
	0.15*	2011-11-16		
	0.15*	2011-12-14		

	*0.15**			
La Deule Canal				
(Station: 01079000)	0.045*	2011-01-17		
	0.045*	2011-02-10		
	0.045*	2011-03-14		
	0.045*	2011-04-20		
	0.045*	2011-05-12		
	0.045*	2011-06-23		
	0.045*	2011-07-12	*Estimated 90P*	
	0.045*	2011-08-22		
	0.045*	2011-09-15		
	0.045*	2011-10-20		
	0.045*	2011-11-14		
	0.045*	2011-12-12		
	*0.045**			
La Dives				
(Station: 03228690)	*0.15**			
	0.15*	2011-01-18		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-21		
	0.15*	2011-05-27	*Estimated 90P*	

	0.15*	2011-06-23		
	0.15*	2011-07-27		
	0.15*	2011-08-25		
	0.15*	2011-09-26		
	0.15*	2011-10-26		
	0.15*	2011-11-23		
	0.15*	2011-12-14		
	*0.15**			
(Station: 03231000)				
	0.15*	2011-01-06		
	0.15*	2011-02-09		
	0.15*	2011-03-07		
	0.15*	2011-04-06		
	0.15*	2011-05-13	*Estimated 90P*	
	0.15*	2011-06-08		
	0.15*	2011-07-08		
	0.15*	2011-08-03		
	0.15*	2011-09-16		
	0.15*	2011-10-13		
	0.15*	2011-11-09		
	0.15*	2011-12-05		
	*0.15**			

La Douve				
(Station: 03254370)	0.15*	2011-01-10		
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-07		
	0.15*	2011-05-09		
	0.15*	2011-06-21		
	0.15*	2011-07-19	*Estimated 90P*	
	0.15*	2011-08-09		
	0.15*	2011-09-20		
	0.15*	2011-10-20		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
La Drome				
(Station: 03247210)	0.15*	2011-01-03		
	0.15*	2011-02-08		
	0.15*	2011-03-10		
	0.15*	2011-04-06		
	0.15*	2011-05-10		
	0.15*	2011-06-08		
	0.15*	2011-07-05	*Estimated 90P*	
	0.15*	2011-08-03		
	0.15*	2011-09-15		

	0.15*	2011-10-12		
	0.15*	2011-11-17		
	0.15*	2011-12-08		
	*0.15**			
La Druance				
(Station: 03241590)	0.15*	2011-01-05		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
	0.15*	2011-04-05		
	0.15*	2011-05-12		
	0.15*	2011-06-07		
	0.15*	2011-07-07	*Estimated 90P*	
	0.15*	2011-08-02		
	0.15*	2011-09-14		
	0.15*	2011-10-12		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
La Durdent				
(Station: 03217000)	0.15*	2011-01-19		
	0.15*	2011-02-17		
	0.15*	2011-03-16		

	0.15*	2011-04-20		
	0.15*	2011-05-18		
	0.15*	2011-06-22		
	0.15*	2011-07-20	*Estimated 90P*	
	0.15*	2011-08-24		
	0.15*	2011-09-21		
	0.15*	2011-10-26		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
La Garonne				
(Station: 05104000)	0.52	2011-01-26		
	0.01*	2011-02-21		
	0.01*	2011-03-23		
	0.01*	2011-04-14		
	0.01*	2011-05-18		
	0.01*	2011-06-22		
	0.01*	2011-07-27	*Estimated 90P*	
	0.01*	2011-08-22		
	0.01*	2011-09-21		
	0.01*	2011-10-25		
	0.01*	2011-11-24		
	0.01*	2011-12-14		

	0.01*			
La Charente				
(Station: 05013900)	0.05*	2011-03-21		
	0.05*	2011-07-25		
	0.05*	2011-09-19		
	0.05*	2011-11-21		
	*0.05**		*Estimated 90P*	
L´Adour				
(Station: 05223000)	0.01*	2011-01-27		
	0.01*	2011-02-24		
	0.01*	2011-03-24		
	0.01*	2011-04-14		
	0.01*	2011-05-19		
	0.01*	2011-06-23		
	0.01*	2011-07-28		
	0.01*	2011-08-25		
	0.01*	2011-09-22		
	0.01*	2011-10-27		
	0.01*	2011-11-24		
	0.01*	2011-12-15		
	0.01*		*Estimated 90P*	

–				
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
	0.15*	2011-04-26		
	0.15*	2011-05-23		
(Station: 03006271)	0.15*	2011-06-27		
	0.15*	2011-07-11	*Estimated 90P*	
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-12		
	*0.15**			
	0.045*	2011-01-13		
	0.045*	2011-02-07		
	0.045*	2011-03-07		
	0.045*	2011-04-06		
La Hante	0.045*	2011-05-06		
(Station: 01001503)	0.045*	2011-06-21		
	0.045*	2011-07-06	*Estimated 90P*	
	0.045*	2011-08-18		
	0.045*	2011-09-14		

	0.045*	2011-10-07		
	0.045*	2011-11-09		
	0.045*	2011-12-05		
	*0.045**			
	0.045*	2011-02-28		
	0.045*	2011-03-22		
	0.045*	2011-04-18		
	0.045*	2011-05-24		
La Hem	0.045*	2011-06-28		
(Station: 01115000)	0.045*	2011-07-26		
	0.045*	2011-08-25	*Estimated 90P*	
	0.045*	2011-09-29		
	0.045*	2011-10-26		
	0.045*	2011-11-16		
	*0.045**			
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
	0.15*	2011-04-26		
La Heronne	0.15*	2011-05-23		

(Station: 03022445)	0.15*	2011-06-27		
	0.15*	2011-07-11		
	0.15*	2011-08-16		
	0.15*	2011-09-26	*Estimated 90P*	
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
La Laignes	0.15*	2011-05-24		
(Station: 03002900)	0.15*	2011-06-28		
	0.15*	2011-07-12	*Estimated 90P*	
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22		
	0.15*	2011-12-13		
	*0.15**			

	0.15*	2011-01-06		
	0.15*	2011-02-09		
	0.15*	2011-03-07		
	0.15*	2011-04-06		
La Laize	0.15*	2011-05-13		
(Station: 03245100)	0.15*	2011-06-08		
	0.15*	2011-07-08	*Estimated 90P*	
	0.15*	2011-08-03		
	0.15*	2011-09-14		
	0.15*	2011-10-12		
	0.15*	2011-11-07		
	0.15*	2011-12-07		
	*0.15**			
	0.045*	2011-01-18		
	0.045*	2011-02-14		
	0.045*	2011-03-22		
	0.045*	2011-04-20		
La Lawe	0.045*	2011-05-16		
(Station: 01071000)	0.045*	2011-06-23		
	0.045*	2011-07-15	*Estimated 90P*	
	0.045*	2011-08-23		
	0.045*	2011-09-09		

	0.045*	2011-10-10		
	0.045*	2011-11-07		
	0.045*	2011-12-19		
	*0.045**			
	0.15*	2011-01-17		
	0.15*	2011-02-14		
	0.15*	2011-03-14		
	0.15*	2011-04-18		
La Levriere	0.15*	2011-05-16		
(Station: 03176945)	0.15*	2011-06-20		
	0.15*	2011-07-18	*Estimated 90P*	
	0.15*	2011-08-29		
	0.15*	2011-09-19		
	0.15*	2011-10-24		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.045*	2011-02-09		
	0.045*	2011-03-10		
	0.045*	2011-04-07		

	0.045*	2011-05-05		
La Liane	0.045*	2011-06-17		
(Station: 01092000)	0.045*	2011-07-04		
	0.045*	2011-08-02	*Estimated 90P*	
	0.045*	2011-09-15		
	0.045*	2011-10-18		
	0.045*	2011-11-16		
	0.045*	2011-12-14		
	*0.045**			
	*0.045**			
	0.045*	2011-02-15		
	0.045*	2011-03-22		
La Lys Canalisée	0.045*	2011-04-26		
	0.045*	2011-05-16		
(Station: 01056000)	0.045*	2011-06-23		
	0.045*	2011-07-15	*Estimated 90P*	
	0.045*	2011-08-26		
	0.045*	2011-09-09		
	0.045*	2011-10-11		
	0.045*	2011-11-07		
	0.045*	2011-12-19		

	*0.045**			
	0.045*	2011-02-15		
	0.045*	2011-03-15		
	0.045*	2011-04-19		
	0.045*	2011-05-12		
(Station: 01059000)	0.045*	2011-06-22		
	0.045*	2011-07-12	*Estimated 90P*	
	0.045*	2011-08-19		
	0.045*	2011-09-15		
	0.045*	2011-10-19	*Total estimated 90P*	
	0.045*	2011-11-14		
	0.045*	2011-12-09		
	*0.045**			
	0.045*	2011-02-14		
	0.045*	2011-03-15		
	0.045*	2011-04-26		
	0.045*	2011-05-11		
La Lys Rivière	0.045*	2011-06-24		
(Station: 01053000)	0.045*	2011-07-12		
	0.045*	2011-08-23		
	0.045*	2011-09-29		

	0.045*	2011-10-21	*Estimated 90P*	
	0.045*	2011-11-15		
	0.045*	2011-12-13		
	*0.045**			
	0.045*	2011-01-11		
	0.045*	2011-02-01		
	0.045*	2011-03-01		
	0.045*	2011-04-01		
La Marche Navire	0.045*	2011-05-03		
(Station: 01045000)	0.045*	2011-06-03		
	0.045*	2011-07-01		
	0.045*	2011-08-03		
	0.045*	2011-09-14	*Estimated 90P*	
	0.045*	2011-10-04		
	0.045*	2011-11-07		
	0.045*	2011-12-01		
	*0.045**			
	*0.15**			
	0.15*	2011-01-20		

	0.15*	2011-02-15		
La Marne	0.15*	2011-03-17		
	0.15*	2011-04-19		
(Station: 03108098)	0.15*	2011-05-19		
	0.15*	2011-06-21	*Estimated 90P*	
	0.15*	2011-07-28		
	0.15*	2011-08-23		
	0.15*	2011-09-22		
	0.15*	2011-10-18		
	0.15*	2011-11-14		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-08		
	0.15*	2011-03-07		
	0.15*	2011-04-12		
(Station: 03088800)	0.15*	2011-05-09		
	0.15*	2011-06-15	*Estimated 90P*	
	0.15*	2011-07-18		
	0.15*	2011-08-09		
	0.15*	2011-09-12	*Total estimated 90P*	
	0.15*	2011-10-11		
	0.15*	2011-11-07		

	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-02		
	0.15*	2011-03-02		
	0.15*	2011-04-06		
(Station: 03091000)	0.15*	2011-05-04		
	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-03		
	0.15*	2011-09-08	*Estimated 90P*	
	0.15*	2011-10-05		
	0.15*	2011-11-02		
	0.15*	2011-12-01		
	*0.15**			
	0.15*	2011-01-20		
	0.15*	2011-02-14		
	0.15*	2011-03-17		
	0.15*	2011-04-18		
(Station: 03109000)	0.15*	2011-05-19		

	0.15*	2011-06-20		
	0.15*	2011-07-28		
	0.15*	2011-08-22		
	0.15*	2011-09-22	*Estimated 90P*	
	0.15*	2011-10-17		
	0.15*	2011-11-14		
	0.15*	2011-12-15		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
	0.15*	2011-04-11		
(Station: 03085730)	0.15*	2011-05-10		
	0.15*	2011-06-14		
	0.15*	2011-07-19		
	0.15*	2011-08-08		
	0.15*	2011-09-13	*Estimated 90P*	
	0.15*	2011-10-10		
	0.15*	2011-11-08		
	0.15*	2011-12-05		
	*0.15**			

(Station: 03104000)	0.15*	2011-01-18		
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-20		
	0.15*	2011-05-17		
	0.15*	2011-06-22		
	0.15*	2011-07-26		
	0.15*	2011-08-24		
	0.15*	2011-10-18	*Estimated 90P*	
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
(Station: 03105500)	0.15*	2011-01-19		
	0.15*	2011-02-15		
	0.15*	2011-03-16		
	0.15*	2011-04-19		
	0.15*	2011-05-18		
	0.15*	2011-06-21		
	0.15*	2011-07-27		
	0.15*	2011-08-23		
	0.15*	2011-09-21		
	0.15*	2011-10-18	*Estimated 90P*	

	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-07		
	0.15*	2011-03-09		
	0.15*	2011-04-11		
(Station: 03086100)	0.15*	2011-05-11		
	0.15*	2011-06-14		
	0.15*	2011-07-20		
	0.15*	2011-08-08		
	0.15*	2011-09-14	*Estimated 90P*	
	0.15*	2011-10-10		
	0.15*	2011-11-08		
	0.15*	2011-12-05		
	*0.15**			
	0.045*	2011-02-08		
	0.045*	2011-03-09		
	0.045*	2011-04-06		
	0.045*	2011-05-05		

La Maye Rivière	0.045*	2011-06-14		
(Station: 01141100)	0.045*	2011-07-04		
	0.045*	2011-08-01		
	0.045*	2011-09-14		
	0.045*	2011-10-19	*Estimated 90P*	
	0.045*	2011-11-15		
	0.045*	2011-12-15		
	*0.045**			
	0.15*	2011-01-18		
	0.15*	2011-02-24		
	0.15*	2011-03-22		
	0.15*	2011-04-21		
La Muance	0.15*	2011-05-27		
(Station: 03231065)	0.15*	2011-06-23		
	0.15*	2011-07-27		
	0.15*	2011-08-25		
	0.15*	2011-09-26		
	0.15*	2011-10-25	*Estimated 90P*	
	0.15*	2011-11-23		
	0.15*	2011-12-15		
	*0.15**			

	0.15*	2011-01-03		
	0.15*	2011-02-21		
	0.15*	2011-03-10		
	0.15*	2011-04-18		
La Mue	0.15*	2011-05-10		
(Station: 03246300)	0.15*	2011-06-20		
	0.15*	2011-07-05		
	0.15*	2011-08-22		
	0.15*	2011-09-15	*Estimated 90P*	
	0.15*	2011-10-24		
	0.15*	2011-11-07		
	0.15*	2011-12-12		
	*0.15**			
	0.045*	2011-02-22		
	0.045*	2011-03-23		
	0.045*	2011-04-29		
	0.045*	2011-05-26		
La Nièvre	0.045*	2011-06-30		
(Station: 01139000)	0.045*	2011-07-25		
	0.045*	2011-08-30		
	0.045*	2011-09-30		
	0.045*	2011-10-28	*Estimated 90P*	

	0.045*	2011-11-18		
	0.045*	2011-12-07		
	*0.045**			
	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
La Nosle	0.15*	2011-05-11		
(Station: 03044170)	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-12	*Estimated 90P*	
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-20		

La Paquine	0.15*	2011-05-10		
(Station: 03227100)	0.15*	2011-06-22		
	0.15*	2011-07-25		
	0.15*	2011-08-24		
	0.15*	2011-09-27	*Estimated 90P*	
	0.15*	2011-10-25		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-15		
	0.15*	2011-03-14		
	0.15*	2011-04-18		
La Rancon	0.15*	2011-05-16		
(Station: 03205000)	0.15*	2011-06-20		
	0.15*	2011-07-18		
	0.15*	2011-08-22		
	0.15*	2011-09-19	*Estimated 90P*	
	0.15*	2011-10-24		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			

	0.045*	2011-01-12		
	0.045*	2011-02-02		
	0.045*	2011-03-03		
	0.045*	2011-04-05		
La Rhonelle	0.045*	2011-05-03		
(Station: 01029000)	0.045*	2011-06-16		
	0.045*	2011-07-05		
	0.045*	2011-08-05		
	0.045*	2011-09-14	*Estimated 90P*	
	0.045*	2011-10-05		
	0.045*	2011-11-08		
	0.045*	2011-12-02		
	*0.045**			
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-23		
La Risle	0.15*	2011-03-09		
	0.15*	2011-04-13		
(Station: 03219780)	0.15*	2011-05-12		
	0.15*	2011-06-08		

	0.15*	2011-07-27	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-23		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
(Station: 03221500)	0.15*	2011-05-12		
	0.15*	2011-06-08		
	0.15*	2011-07-27	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06	*Total estimated 90P*	
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			

	0.15*	2011-01-11		
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-07		
La Riviere de Gloire	0.15*	2011-05-10		
(Station: 03253780)	0.15*	2011-06-21		
	0.15*	2011-07-19		
	0.15*	2011-08-09		
	0.15*	2011-09-20		
	0.15*	2011-10-18	*Estimated 90P*	
	0.15*	2011-11-16		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-19		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-19		
La Riviere de Jacre La	0.15*	2011-05-26		
(Sation: 03250797)	0.15*	2011-06-21		
	0.15*	2011-07-26		
	0.15*	2011-08-23		
	0.15*	2011-09-29		
	0.15*	2011-10-26	*Estimated 90P*	

	0.15*	2011-11-22		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-19		
	0.15*	2011-02-17		
	0.15*	2011-03-16		
	0.15*	2011-04-20		
La Riviere de Valmont	0.15*	2011-05-18		
(Station: 03217400)	0.15*	2011-06-22		
	0.15*	2011-07-20		
	0.15*	2011-08-24		
	0.15*	2011-09-21		
	0.15*	2011-10-26	*Estimated 90P*	
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-15		
	0.15*	2011-03-14		
	0.15*	2011-04-18		

La Rivere du Commerce (Station: 03207020)	0.15*	2011-05-16		
	0.15*	2011-06-20		
	0.15*	2011-07-18		
	0.15*	2011-08-22		
	0.15*	2011-09-19		
	0.15*	2011-10-24	*Estimated 90P*	
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-11		
La Romanee (Station: 03032675)	0.15*	2011-06-08		
	0.15*	2011-07-06		
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-12	*Estimated 90P*	
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			

	0.15*	2011-01-04		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
	0.15*	2011-04-04		
	0.15*	2011-05-11		
La Rouvre	0.15*	2011-06-07		
(Station: 03240100)	0.15*	2011-07-06		
	0.15*	2011-08-01		
	0.15*	2011-09-13		
	0.15*	2011-10-11	*Estimated 90P*	
	0.15*	2011-11-08		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-19		
	0.15*	2011-02-17		
	0.15*	2011-03-16		
	0.15*	2011-04-20		
	0.15*	2011-05-18		
La Saane	0.15*	2011-06-22		
(Station: 03216000)	0.15*	2011-07-20		
	0.15*	2011-08-24		

	0.15*	2011-09-21		
	0.15*	2011-10-26	*Estimated 90P*	
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-14		
	0.15*	2011-03-14		
	0.15*	2011-04-07		
	0.15*	2011-05-09		
La Saire	0.15*	2011-06-20		
(Station: 03257800)	0.15*	2011-07-19		
	0.15*	2011-08-08		
	0.15*	2011-09-19		
	0.15*	2011-10-17	*Estimated 90P*	
	0.15*	2011-11-15		
	0.15*	2011-12-12		
	*0.15**			
	*0.045**			

	0.045*	2011-01-19		
	0.045*	2011-02-17		
	0.045*	2011-03-16		
La Sambre Canalisée	0.045*	2011-04-20		
	0.045*	2011-05-18		
(Station: 01004000)	0.045*	2011-06-22		
	0.045*	2011-07-20		
	0.045*	2011-08-24	*Estimated 90P*	
	0.045*	2011-09-21		
	0.045*	2011-10-26		
	0.045*	2011-11-16		
	0.045*	2011-12-14		
	*0.045**			
	0.045*	2011-01-10		
	0.045*	2011-02-01		
	0.045*	2011-03-08		
	0.045*	2011-04-04		
	0.045*	2011-05-03		
(Station: 01009300)	0.045*	2011-06-15		
	0.045*	2011-07-01		
	0.045*	2011-08-17	*Estimated 90P*	
	0.045*	2011-09-02		
	0.045*	2011-10-03	*Total estimated*	

	0.045*	2011-11-02	*90P*	
	0.045*	2011-12-01		
	*0.045**			
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
	0.15*	2011-05-24		
La Sarce	0.15*	2011-06-28		
(Station: 03004280)	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22	*Estimated 90P*	
	0.15*	2011-12-13		
	*0.15**			
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-09		

	0.15*	2011-03-09		
La Saulx	0.15*	2011-04-14		
	0.15*	2011-05-11		
(Station: 03096100)	0.15*	2011-06-16		
	0.15*	2011-07-20		
	0.15*	2011-08-10		
	0.15*	2011-09-14	*Estimated 90P*	
	0.15*	2011-10-12		
	0.15*	2011-11-14		
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-02		
	0.15*	2011-03-02		
	0.15*	2011-04-04		
	0.15*	2011-05-04		
(Station: 03098000)	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-08		
	0.15*	2011-09-02	*Estimated 90P*	
	0.15*	2011-10-05		
	0.15*	2011-11-02		
	0.15*	2011-12-01	*Total estimated*	

			90P	
	*0.15**			
	*0.045**			
	0.045*	2011-01-12		
	0.045*	2011-02-09		
	0.045*	2011-03-09		
La Scarpe Canalisée	0.045*	2011-04-14		
	0.045*	2011-05-11		
(Station: 01037000)	0.045*	2011-06-16		
	0.045*	2011-07-20		
	0.045*	2011-08-10		
	0.045*	2011-09-14		
	0.045*	2011-10-12	*Estimated 90P*	
	0.045*	2011-11-14		
	0.045*	2011-12-07		
	*0.045**			
	0.045*	2011-01-12		
	0.045*	2011-02-03		
	0.045*	2011-03-03		
	0.045*	2011-04-04		

	0.045*	2011-05-03		
(Station: 01041000)	0.045*	2011-06-17		
	0.045*	2011-07-05		
	0.045*	2011-08-17		
	0.045*	2011-09-14		
	0.045*	2011-10-06	*Estimated 90P*	
	0.045*	2011-11-08		
	0.045*	2011-12-02		
	*0.045**		*Total estimated 90P*	
	0.045*	2011-01-12		
	0.045*	2011-02-03		
	0.045*	2011-03-03		
	0.045*	2011-04-04		
	0.045*	2011-05-03		
La Scarpe Rivierère	0.045*	2011-06-17		
(Station: 01035000)	0.045*	2011-07-05		
	0.045*	2011-08-17		
	0.045*	2011-09-14		
	0.045*	2011-10-06		
	0.045*	2011-11-08		
	0.045*	2011-12-02	*Estimated 90P*	
	*0.045**			

	0.15*	2011-01-19		
	0.15*	2011-02-17		
	0.15*	2011-03-16		
	0.15*	2011-04-20		
	0.15*	2011-05-18		
La Scie	0.15*	2011-06-22		
(Station: 03214240)	0.15*	2011-07-20		
	0.15*	2011-08-24		
	0.15*	2011-09-21		
	0.15*	2011-10-26		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-12		
	0.15*	2011-02-17		
	0.15*	2011-03-16		
	0.15*	2011-04-12		
	0.15*	2011-05-11		
La See	0.15*	2011-06-22		
(Station: 03271000)	0.15*	2011-07-20		
	0.15*	2011-08-11		

	0.15*	2011-09-22		
	0.15*	2011-10-20		
	0.15*	2011-11-16		
	0.15*	2011-12-16		
			Estimated 90P	
	*0.15**			
	0.15*	2011-01-13		
	0.15*	2011-02-18		
	0.15*	2011-03-17		
	0.15*	2011-04-11		
	0.15*	2011-05-12		
La See Rousse	0.15*	2011-06-22		
(Station: 03269438)	0.15*	2011-07-21		
	0.15*	2011-08-11		
	0.15*	2011-09-23		
	0.15*	2011-10-20		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
			Estimated 90P	
	*0.15**			
	*0.15**			

	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
La Seine	0.15*	2011-04-26		
	0.15*	2011-05-23		
(Station: 03002100)	0.15*	2011-06-27		
	0.15*	2011-07-11		
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21	*Estimated 90P*	
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
	0.15*	2011-05-25		
(Station: 03004349)	0.15*	2011-06-28		
	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		

	0.15*	2011-11-22	*Estimated 90P*	
	0.15*	2011-12-13		
	*0.15**		*Total estimated 90P*	
	0.15*	2011-01-05		
	0.15*	2011-02-02		
	0.15*	2011-03-02		
	0.15*	2011-04-06		
	0.15*	2011-05-04		
(Station: 03006000)	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-03		
	0.15*	2011-09-08		
	0.15*	2011-10-05		
	0.15*	2011-11-02	*Estimated 90P*	
	0.15*	2011-12-01		
	*0.15**			
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
	0.15*	2011-04-26		

	0.15*	2011-05-23		
(Station: 03001000)	0.15*	2011-06-08		
	0.15*	2011-07-11		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-12		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-04		
	0.15*	2011-02-09		
	0.15*	2011-03-01		
	0.15*	2011-04-06		
	0.15*	2011-05-23		
(Station: 03174000)	0.15*	2011-06-08		
	0.15*	2011-07-07		
	0.15*	2011-08-08		
	0.15*	2011-09-26		
	0.15*	2011-10-17		
	0.15*	2011-11-02		
	0.15*	2011-12-06		
	*0.15**		*Estimated 90P*	

	0.045*	2011-01-12		
	0.045*	2011-02-02		
	0.045*	2011-03-03		
	0.045*	2011-04-05		
	0.045*	2011-05-03		
La Selle	0.045*	2011-06-16		
(Station: 01027000)	0.045*	2011-07-05		
	0.045*	2011-08-05		
	0.045*	2011-09-14		
	0.045*	2011-10-05		
	0.045*	2011-11-08		
	0.045*	2011-12-02		
	*0.045**		*Estimated 90P*	
	0.15*	2011-01-13		
	0.15*	2011-02-17		
	0.15*	2011-03-16		
	0.15*	2011-04-11		
	0.15*	2011-05-12		
La Selune	0.15*	2011-06-22		
(Station: 03272685)	0.15*	2011-07-21		
	0.15*	2011-08-11		
	0.15*	2011-09-23		

	0.15*	2011-10-19		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-19		
	0.15*	2011-02-15		
	0.15*	2011-03-16		
	0.15*	2011-04-19		
	0.15*	2011-05-18		
La Semoigne	0.15*	2011-06-21		
(Station: 03105946)	0.15*	2011-07-27		
	0.15*	2011-08-23		
	0.15*	2011-09-21		
	0.15*	2011-10-18		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	0.045*	2011-01-11		
	0.045*	2011-02-01		
	0.045*	2011-03-01		

	0.045*	2011-04-01		
	0.045*	2011-05-03		
La Sensée Canalisée	0.045*	2011-06-03		
(Station: 01046000)	0.045*	2011-07-01		
	0.045*	2011-08-03		
	0.045*	2011-09-14		
	0.045*	2011-10-04		
	0.045*	2011-11-07		
	0.045*	2011-12-01		
	*0.045**		*Estimated 90P*	
	0.045*	2011-01-13		
	0.045*	2011-02-07		
	0.045*	2011-03-03		
	0.045*	2011-04-18		
	0.045*	2011-05-10		
La Sensée Rivière	0.045*	2011-06-20		
(Station: 01024000)	0.045*	2011-07-07		
	0.045*	2011-08-18		
	0.045*	2011-09-07		
	0.045*	2011-10-06		
	0.045*	2011-11-09		
	0.045*	2011-12-13		

	*0.045**		*Estimated 90P*	
	0.15*	2011-01-03		
	0.15*	2011-02-21		
	0.15*	2011-03-10		
	0.15*	2011-04-08		
	0.15*	2011-05-10		
La Seulles	0.15*	2011-06-20		
(Station: 03246000)	0.15*	2011-07-05		
	0.15*	2011-08-10		
	0.15*	2011-09-15		
	0.15*	2011-10-24		
	0.15*	2011-11-07		
	0.15*	2011-12-12		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-12		
	0.15*	2011-02-16		
	0.15*	2011-03-16		
	0.15*	2011-05-11		
	0.15*	2011-06-23		
La Sienne	0.15*	2011-07-20		
(Station: 03265600)	0.15*	2011-09-21		

	0.15*	2011-10-20		
	0.15*	2011-11-17		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	0.045*	2011-02-09		
	0.045*	2011-03-10		
	0.045*	2011-04-07		
	0.045*	2011-05-05		
	0.045*	2011-06-06		
La Slack	0.045*	2011-07-04		
(Station: 01090000)	0.045*	2011-08-02		
	0.045*	2011-09-15		
	0.045*	2011-10-18		
	0.045*	2011-11-16		
	0.045*	2011-12-14		
	*0.045**			
	0.045*	2011-01-13	*Estimated 90P*	
	0.045*	2011-02-07		
	0.045*	2011-03-07		
	0.045*	2011-04-06		

	0.045*	2011-05-06		
La Solre	0.045*	2011-06-21		
(Station: 01009000)	0.045*	2011-07-06		
	0.045*	2011-08-18		
	0.045*	2011-09-14		
	0.045*	2011-10-07		
	0.045*	2011-11-09		
	0.045*	2011-12-05		
	*0.045**		*Estimated 90P*	
	0.045*	2011-01-03		
	0.045*	2011-02-22		
	0.045*	2011-03-23		
	0.045*	2011-04-29		
	0.045*	2011-05-26		
La Somme Canalisée	0.045*	2011-06-30		
(Station: 01129000)	0.045*	2011-07-25		
	0.045*	2011-08-30		
	0.045*	2011-09-30		
	0.045*	2011-10-28		
	0.045*	2011-11-18		
	0.045*	2011-12-07		
	*0.045**		*Estimated 90P*	

	*0.045**			
	0.045*	2011-01-03		
	0.045*	2011-02-21		
La Somme Rivière	0.045*	2011-03-21		
	0.045*	2011-04-28		
	0.045*	2011-05-18		
(Station: 01120000)	0.045*	2011-06-27		
	0.045*	2011-07-26		
	0.045*	2011-08-31		
	0.045*	2011-09-14		
	0.045*	2011-10-13		
	0.045*	2011-11-17	*Estimated 90P*	
	0.045*	2011-12-21		
	*0.045**			
	0.045*	2011-01-12		
	0.045*	2011-02-04		
	0.045*	2011-03-02		
	0.045*	2011-04-08		
	0.045*	2011-05-09		

(Station: 01116000)	0.045*	2011-06-16		
	0.045*	2011-07-06		
	0.045*	2011-08-02		
	0.045*	2011-09-06		
	0.045*	2011-10-05		
	0.045*	2011-11-08	*Estimated 90P*	
	0.045*	2011-12-12		
	*0.045**		*Total estimated 90P*	
	0.15*	2011-01-18		
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-20		
	0.15*	2011-05-17		
La Somme-Soude	0.15*	2011-06-22		
(Station: 03104450)	0.15*	2011-07-26		
	0.15*	2011-08-24		
	0.15*	2011-10-19		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**		*Estimated 90P*	

	0.15*	2011-01-19		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-19		
	0.15*	2011-05-26		
La Souleuvre	0.15*	2011-06-21		
(Station: 03250430)	0.15*	2011-07-26		
	0.15*	2011-08-23		
	0.15*	2011-09-28		
	0.15*	2011-10-05		
	0.15*	2011-11-26		
	0.15*	2011-12-13		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-12		
	0.15*	2011-02-16		
	0.15*	2011-03-16		
	0.15*	2011-04-08		
	0.15*	2011-05-11		
La Soulles	0.15*	2011-06-23		
(Station: 03264965)	0.15*	2011-07-21		
	0.15*	2011-08-10		
	0.15*	2011-09-21		
	0.15*	2011-10-20		

	0.15*	2011-11-17		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
	0.15*	2011-05-24		
La Superbe	0.15*	2011-06-28		
(Station: 03020650)	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22		
	0.15*	2011-12-15		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-11		
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-08		

La Taute	0.15*	2011-05-10		
(Station: 03255180)	0.15*	2011-06-21		
	0.15*	2011-07-20		
	0.15*	2011-08-09		
	0.15*	2011-09-21		
	0.15*	2011-10-20		
	0.15*	2011-11-16		
	0.15*	2011-12-13		
	*0.15**		*Estimated 90P*	
	0.045*	2011-02-09		
	0.045*	2011-03-10		
	0.045*	2011-04-07		
	0.045*	2011-05-05		
	0.045*	2011-06-17		
La Ternoise	0.045*	2011-07-04		
(Station: 01097000)	0.045*	2011-08-01		
	0.045*	2011-09-15		
	0.045*	2011-10-18		
	0.045*	2011-11-16		
	0.045*	2011-12-14		
	*0.045**			

			Estimated 90P	
	0.15*	2011-01-17		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-20		
	0.15*	2011-05-25		
La Touques	0.15*	2011-06-22		
(Station: 03226300)	0.15*	2011-07-25		
	0.15*	2011-08-24		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			
			Estimated 90P	
	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-11		
La Vanne	0.15*	2011-06-08		
(Station: 03044580)	0.15*	2011-07-06		
	0.15*	2011-08-14		
	0.15*	2011-09-27		

	0.15*	2011-10-12		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-18		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-21		
	0.15*	2011-05-27		
La Vie	0.15*	2011-06-23		
(Station: 03232450)	0.15*	2011-07-27		
	0.15*	2011-08-25		
	0.15*	2011-09-26		
	0.15*	2011-10-26		
	0.15*	2011-11-23		
	0.15*	2011-12-14		
	*0.15**		*Estimated 90P*	
	*0.15**			

	0.15*	2011-01-19		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
La Vire	0.15*	2011-04-19		
	0.15*	2011-05-26		
(Station: 03250475)	0.15*	2011-06-21		
	0.15*	2011-07-26		
	0.15*	2011-08-23		
	0.15*	2011-09-28		
	0.15*	2011-10-26		
	0.15*	2011-11-22		
	0.15*	2011-12-13	*Estimated 90P*	
	*0.15**			
	0.15*	2011-01-19		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-19		
	0.15*	2011-05-26		
Station: 03248401)	0.15*	2011-06-21		
	0.15*	2011-07-26		
	0.15*	2011-08-23		
	0.15*	2011-09-28		
	0.15*	2011-10-26		

	0.15*	2011-11-22		
	0.15*	2011-12-13		
			Estimated 90P	
	*0.15**			
			Total estimated 90P	
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
	0.15*	2011-04-26		
	0.15*	2011-05-23		
La Voire	0.15*	2011-06-21		
(Station: 03023000)	0.15*	2011-07-11		
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			
			Estimated 90P	
	0.045*	2011-02-22		
	0.045*	2011-03-23		
	0.045*	2011-04-29		
	0.045*	2011-05-26		

	0.045*	2011-06-30		
LÁiraines	0.045*	2011-07-25		
(Station: 01140500)	0.045*	2011-08-30		
	0.045*	2011-09-30		
	0.045*	2011-10-28		
	0.045*	2011-11-18		
	0.045*	2011-12-07		
	*0.045**			
	0.15*	2011-01-13	*Estimated 90P*	
	0.15*	2011-02-17		
	0.15*	2011-03-17		
	0.15*	2011-04-11		
L´Áiron	0.15*	2011-05-12		
(Station: 03271965)	0.15*	2011-06-22		
	0.15*	2011-07-21		
	0.15*	2011-08-10		
	0.15*	2011-09-23		
	0.15*	2011-10-19		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
	*0.15**			

	0.15*	2011-01-12	*Estimated 90P*	
	0.15*	2011-02-16		
	0.15*	2011-03-16		
	0.15*	2011-04-08		
	0.15*	2011-05-11		
L´Airou	0.15*	2011-06-23		
(Station: 03265993)	0.15*	2011-07-20		
	0.15*	2011-08-10		
	0.15*	2011-09-22		
	0.15*	2011-10-20		
	0.15*	2011-11-17		
	0.15*	2011-12-14		
	*0.15**			
			Estimated 90P	
	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Lampy	0.05*	2011-06-21		
(Station: 06177959)	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-19		

	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-06		
	*0.05**		*Estimated 90P*	
	*0.045**			
	0.045*	2011-02-21		
	0.045*	2011-03-21		
	0.045*	2011-04-28		
L´Ancre	0.045*	2011-05-18		
	0.045*	2011-06-27		
(Station: 01133000)	0.045*	2011-07-26		
	0.045*	2011-08-31		
	0.045*	2011-09-14		
	0.045*	2011-10-13		
	0.045*	2011-11-17		
	0.045*	2011-12-21		
	*0.045**		*Estimated 90P*	
	0.045*	2011-01-18		
	0.045*	2011-02-24		

	0.045*	2011-03-22		
	0.045*	2011-04-20		
	0.045*	2011-05-27		
(Station: 03231490)	0.045*	2011-06-22		
	0.045*	2011-07-27		
	0.045*	2011-08-25		
	0.045*	2011-09-28		
	0.045*	2011-10-25		
	0.045*	2011-11-23		
	0.045*	2011-12-15		
	*0.045**		*Estimated 90P*	
	0.045*	2011-01-12		
	0.045*	2011-02-09	*Total estimated 90P*	
	0.045*	2011-03-09		
	0.045*	2011-04-13		
	0.045*	2011-05-11		
(Station: 03043450)	0.045*	2011-06-08		
	0.045*	2011-07-05		
	0.045*	2011-08-10		
	0.045*	2011-09-14		
	0.045*	2011-10-12		
	0.045*	2011-11-16		
	0.045*	2011-12-14		

	*0.045**			
	0.15*	2011-01-18	*Estimated 90P*	
	0.15*	2011-02-15		
	0.15*	2011-03-15		
	0.15*	2011-04-19		
	0.15*	2011-05-17		
L´Andelle	0.15*	2011-06-21		
(Station: 03180100)	0.15*	2011-07-19		
	0.15*	2011-08-30		
	0.15*	2011-09-20		
	0.15*	2011-10-25		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-05-16		
	0.05*	2011-07-19		
	0.05*	2011-11-14		
Lanterne	*0.05**			

(Station: 06002000)				
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
L´Armancon	0.15*	2011-04-12		
	0.15*	2011-05-12		
(Station: 03039000)	0.15*	2011-06-08		
	0.15*	2011-07-07	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-15		
	0.15*	2011-10-12		
	0.15*	2011-11-17		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09		
(Station: 03036510)	0.15*	2011-06-07		

	0.15*	2011-07-04	*Estimated 90P*	
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-10		
	0.15*	2011-02-07	*Total estimated 90P*	
	0.15*	2011-03-07		
	0.15*	2011-04-10		
	0.15*	2011-05-09		
(Station: 03037650)	0.15*	2011-06-06		
	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			

	0.15*	2011-01-18		
	0.15*	2011-02-16	*Estimated 90P*	
	0.15*	2011-03-15		
	0.15*	2011-04-19		
	0.15*	2011-05-17		
L´Arques	0.15*	2011-06-21		
(Station: 03212090)	0.15*	2011-07-19		
	0.15*	2011-08-23		
	0.15*	2011-09-20		
	0.15*	2011-10-25		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
L´Aube	0.15*	2011-04-26		
	0.15*	2011-05-23		
(Station: 03014130)	0.15*	2011-06-27		
	0.15*	2011-07-11		
	0.15*	2011-08-16		

	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-12		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-25		
	0.15*	2011-02-22		
	0.15*	2011-03-22		
	0.15*	2011-04-27		
	0.15*	2011-05-24		
(Station: 03021000)	0.15*	2011-06-28		
	0.15*	2011-07-12		
	0.15*	2011-08-17		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-22		
	0.15*	2011-12-15		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-24		
	0.15*	2011-02-21		

	0.15*	2011-03-21	*Total estimated 90P*	
	0.15*	2011-04-26		
	0.15*	2011-05-23		
(Station: 03017900)	0.15*	2011-06-27		
	0.15*	2011-07-11		
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-26		
	0.15*	2011-02-23	*Estimated 90P*	
	0.15*	2011-03-23		
	0.15*	2011-04-28		
	0.15*	2011-05-25		
(Station: 03015000)	0.15*	2011-06-29		
	0.15*	2011-07-11		
	0.15*	2011-08-16		
	0.15*	2011-09-28		
	0.15*	2011-10-26		
	0.15*	2011-11-23		
	0.15*	2011-12-14		

	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-02		
	0.15*	2011-03-02	*Estimated 90P*	
	0.15*	2011-04-06		
	0.15*	2011-05-04		
(Station: 03018951)	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-03		
	0.15*	2011-09-08		
	0.15*	2011-10-05		
	0.15*	2011-11-02		
	0.15*	2011-12-01		
	*0.15**			
	0.15*	2011-01-26		
	0.15*	2011-02-23		
	0.15*	2011-03-23	*Estimated 90P*	
	0.15*	2011-04-28		
	0.15*	2011-05-25		
L´Aujon	0.15*	2011-06-29		

(Station: 03022000)	0.15*	2011-07-11		
	0.15*	2011-08-18		
	0.15*	2011-09-28		
	0.15*	2011-10-26		
	0.15*	2011-11-23		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-03		
	0.15*	2011-02-08		
	0.15*	2011-03-10	*Estimated 90P*	
	0.15*	2011-04-06		
	0.15*	2011-05-10		
L´Aure	0.15*	2011-06-08		
(Station: 03246920)	0.15*	2011-07-05		
	0.15*	2011-08-03		
	0.15*	2011-09-15		
	0.15*	2011-10-12		
	0.15*	2011-11-07		
	0.15*	2011-12-08		
	*0.15**			

	0.15*	2011-01-19		
	0.15*	2011-02-16		
	0.15*	2011-03-16	*Estimated 90P*	
	0.15*	2011-04-20		
	0.15*	2011-05-18		
L´Austreberthe	0.15*	2011-06-22		
(Station: 03204000)	0.15*	2011-07-20		
	0.15*	2011-08-31		
	0.15*	2011-09-21		
	0.15*	2011-10-26		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.05*	2011-01-20		
	0.05*	2011-02-15		
	0.05*	2011-03-21	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Lauzon	0.05*	2011-06-20		
(Station: 06710030)	0.05*	2011-07-21		
	0.05*	2011-08-18		
	0.05*	2011-09-22		
	0.05*	2011-10-17		

	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**			
	*0.14**			
	0.15*	2011-01-10	*Estimated 90P*	
	0.15*	2011-02-21		
	0.15*	2011-03-07		
L´Avre	0.15*	2011-04-11		
	0.15*	2011-05-10		
(Station: 03194620)	0.15*	2011-06-06		
	0.15*	2011-07-25		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-03		
	0.15*	2011-11-07		
	0.15*	2011-12-05		
	*0.15**			
	0.045*	2011-02-21	*Estimated 90P*	
	0.045*	2011-03-21		

	0.045*	2011-04-29		
	0.045*	2011-05-19		
	0.045*	2011-06-29		
(Station: 01134500)	0.045*	2011-07-27		
	0.045*	2011-08-30		
	0.045*	2011-09-14		
	0.045*	2011-10-27		
	0.045*	2011-11-17		
	0.045*	2011-12-08		
	*0.045**			
	0.15*	2011-01-11		
	0.15*	2011-02-15	*Estimated 90P*	
	0.15*	2011-03-15		
	0.15*	2011-04-08		
	0.15*	2011-05-10	*Total estimated 90P*	
L´Ay	0.15*	2011-06-21		
(Station: 03264000)	0.15*	2011-07-19		
	0.15*	2011-08-09		
	0.15*	2011-09-20		
	0.15*	2011-10-18		
	0.15*	2011-11-16		
	0.15*	2011-12-13		

	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10	*Estimated 90P*	
Le Beuvron	0.15*	2011-06-08		
(Station: 03025238)	0.15*	2011-07-05		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-19		
	0.15*	2011-02-16		
	0.15*	2011-03-16		
	0.15*	2011-04-20	*Estimated 90P*	
	0.15*	2011-05-18		
Le Cailly	0.15*	2011-06-22		
(Station: 03202250)	0.15*	2011-07-20		

	0.15*	2011-08-31		
	0.15*	2011-09-21		
	0.15*	2011-10-26		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.045*	2011-02-14		
	0.045*	2011-03-15		
	0.045*	2011-04-26		
	0.045*	2011-05-11	*Estimated 90P*	
	0.045*	2011-06-24		
Le Canal D´Aire	0.045*	2011-07-12		
(Station: 01063900)	0.045*	2011-08-23		
	0.045*	2011-09-29		
	0.045*	2011-10-21		
	0.045*	2011-11-15		
	0.045*	2011-12-13		
	*0.045**			
	0.045*	2011-02-14		
	0.045*	2011-03-15		

	0.045*	2011-04-26		
	0.045*	2011-05-11		
	0.045*	2011-06-24	*Estimated 90P*	
Le Canal de Bergues	0.045*	2011-07-12		
(Station: 01108000)	0.045*	2011-08-23		
	0.045*	2011-09-29		
	0.045*	2011-10-21		
	0.045*	2011-11-15		
	0.045*	2011-12-13		
	*0.045**			
	*0.045**			
	0.045*	2011-01-10		
	0.045*	2011-02-08		
	0.045*	2011-03-09		
Le Canal de L´Áa	0.045*	2011-04-08	*Estimated 90P*	
	0.045*	2011-05-09		
(Station: 01104000)	0.045*	2011-06-14		
	0.045*	2011-07-07		
	0.045*	2011-08-04		
	0.045*	2011-09-02		
	0.045*	2011-10-03		
	0.045*	2011-11-03		

	0.045*	2011-12-15		
	*0.045**			
	0.045*	2011-02-16		
	0.045*	2011-03-18		
	0.045*	2011-04-28	*Estimated 90P*	
	0.045*	2011-05-24		
	0.045*	2011-06-27		
(Station: 01102000)	0.045*	2011-07-26		
	0.045*	2011-08-24		
	0.045*	2011-09-29		
	0.045*	2011-10-25		
	0.045*	2011-11-16		
	0.045*	2011-12-06		
	*0.045**			
	0.15*	2011-01-12		
	0.15*	2011-02-08	*Estimated 90P*	
	0.15*	2011-03-09		
	0.15*	2011-04-14		
	0.15*	2011-05-11		
Le Canal du Nivernais	0.15*	2011-06-09	*Total estimated*	

(Station: 03027000)	0.15*	2011-07-06	*90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-13		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09		
Le Chalaux	0.15*	2011-06-06	*Estimated 90P*	
(Station: 03033240)	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-13		
	*0.15**			

	0.045*	2011-01-10		
	0.045*	2011-02-03		
	0.045*	2011-03-08		
	0.045*	2011-04-05		
	0.045*	2011-05-03	*Estimated 90P*	
Le Cligneux	0.045*	2011-06-03		
(Station: 01001452)	0.045*	2011-07-01		
	0.045*	2011-08-17		
	0.045*	2011-09-02		
	0.045*	2011-10-04		
	0.045*	2011-11-02		
	0.045*	2011-12-02		
	*0.045**			
	0.15*	2011-01-19		
	0.15*	2011-02-14		
	0.15*	2011-03-16		
	0.15*	2011-04-18		
	0.15*	2011-05-18	*Estimated 90P*	
Le Clignon	0.15*	2011-06-20		
(Station: 03115860)	0.15*	2011-07-27		
	0.15*	2011-08-22		
	0.15*	2011-09-21		
	0.15*	2011-10-17		

	0.15*	2011-11-16		
	0.15*	2011-12-15		
	*0.15**			
	0.15*	2011-01-25		
	0.15*	2011-02-14		
	0.15*	2011-03-14		
	0.15*	2011-04-18		
	0.15*	2011-05-16	*Estimated 90P*	
Le de Mesangueville	0.15*	2011-06-20		
(Station: 03174695)	0.15*	2011-07-18		
	0.15*	2011-08-29		
	0.15*	2011-09-19		
	0.15*	2011-10-24		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
	0.15*	2011-04-11		

	0.15*	2011-05-09	*Estimated 90P*	
Le de Tremagne	0.15*	2011-06-06		
(Station: 03041247)	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10	*Estimated 90P*	
Le Fusain	0.15*	2011-06-07		
(Station: 03057720)	0.15*	2011-07-06		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			

	0.045*	2011-02-14		
	0.045*	2011-03-15		
	0.045*	2011-04-26		
	0.045*	2011-05-11		
	0.045*	2011-06-24	*Estimated 90P*	
Le Guarbecque	0.045*	2011-07-12		
(Station: 01066000)	0.045*	2011-08-23		
	0.045*	2011-09-29		
	0.045*	2011-10-21		
	0.045*	2011-11-15		
	0.045*	2011-12-13		
	*0.045**			
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
Le Loing	0.15*	2011-04-11	*Estimated 90P*	
	0.15*	2011-05-09		
(Station: 03052245)	0.15*	2011-06-06		
	0.15*	2011-07-04		

	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12	*Estimated 90P*	
	0.15*	2011-05-10		
(Station: 03054000)	0.15*	2011-06-07		
	0.15*	2011-07-07		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-11		

	0.15*	2011-02-15		
	0.15*	2011-03-15	*Estimated 90P*	
	0.15*	2011-04-11		
	0.15*	2011-05-10		
Le Lozon	0.15*	2011-06-21	*Total estimated 90P*	
(Station: 03255650)	0.15*	2011-07-20		
	0.15*	2011-08-09		
	0.15*	2011-09-21		
	0.15*	2011-10-19		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-13		
	0.15*	2011-02-10		
	0.15*	2011-03-10		
	0.15*	2011-04-14		
	0.15*	2011-05-12	*Estimated 90P*	
Le Lunain	0.15*	2011-06-09		
(Station: 03174695)	0.15*	2011-07-07		
	0.15*	2011-08-11		
	0.15*	2011-09-15		
	0.15*	2011-10-13		
	0.15*	2011-11-17		

	0.15*	2011-12-15		
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-14		
	0.15*	2011-03-14		
	0.15*	2011-04-07		
	0.15*	2011-05-09		
Le Merderet	0.15*	2011-06-20	*Estimated 90P*	
(Station: 03254770)	0.15*	2011-07-19		
	0.15*	2011-08-08		
	0.15*	2011-09-19		
	0.15*	2011-10-17		
	0.15*	2011-11-15		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
	0.15*	2011-04-05		
	0.15*	2011-05-12		

Le Noireau	0.15*	2011-06-07	*Estimated 90P*	
(Station: 03174695)	0.15*	2011-07-07		
	0.15*	2011-08-02		
	0.15*	2011-09-14		
	0.15*	2011-10-11		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-20		
	0.15*	2011-05-25		
Le Pré D´Auge	0.15*	2011-06-22	*Estimated 90P*	
(Station: 03227296)	0.15*	2011-07-25		
	0.15*	2011-08-24		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
	*0.15**			

	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09		
Le Puiseaux	0.15*	2011-06-06	*Estimated 90P*	
(Station: 03052338)	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
Le Rognon	0.15*	2011-04-11		
	0.15*	2011-05-10		
(Station: 03093900)	0.15*	2011-06-14	*Estimated 90P*	
	0.15*	2011-07-19		
	0.15*	2011-08-08		
	0.15*	2011-09-14		

	0.15*	2011-10-10		
	0.15*	2011-11-08		
	0.15*	2011-12-05		
	*0.15**			
	0.15*	2011-01-13		
	0.15*	2011-02-08		
	0.15*	2011-03-10		
	0.15*	2011-04-12		
	0.15*	2011-05-12		
(Station: 03095000)	0.15*	2011-06-15	*Estimated 90P*	
	0.15*	2011-07-21		
	0.15*	2011-08-09		
	0.15*	2011-09-15		
	0.15*	2011-10-10		
	0.15*	2011-11-15		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-23		
	0.15*	2011-03-09		

	0.15*	2011-04-13	*Estimated 90P*	
	0.15*	2011-05-12		
Le Rouloir	0.15*	2011-06-08		
(Station: 03198530)	0.15*	2011-07-27	*Total estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10		
Le Sauzay	0.15*	2011-06-08	*Estimated 90P*	
(Station: 03025368)	0.15*	2011-07-05		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		

	*0.15**			
	0.045*	2011-02-22		
	0.045*	2011-03-23		
	0.045*	2011-04-29		
	0.045*	2011-05-26		
	0.045*	2011-06-30		
Le Scardon	0.045*	2011-07-25	*Estimated 90P*	
(Station: 01141000)	0.045*	2011-08-30		
	0.045*	2011-09-30		
	0.045*	2011-10-28		
	0.045*	2011-11-18		
	0.045*	2011-12-07		
	*0.045**			
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
Le Serein	0.15*	2011-04-12		
	0.15*	2011-05-10		
(Station: 03035455)	0.15*	2011-06-07	*Estimated 90P*	

	0.15*	2011-07-05		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-11		
(Station: 03036070)	0.15*	2011-06-08	*Estimated 90P*	
	0.15*	2011-07-06		
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-12		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			

	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09	*Estimated 90P*	
(Station: 03034720)	0.15*	2011-06-06		
	0.15*	2011-07-04		
	0.15*	2011-08-08	*Total estimated 90P*	
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-15		
	0.15*	2011-03-14		
	0.15*	2011-04-19		
	0.15*	2011-05-16		
Le Surmelin	0.15*	2011-06-21		
(Station: 03112710)	0.15*	2011-07-25	*Estimated 90P*	
	0.15*	2011-08-23		
	0.15*	2011-09-19		
	0.15*	2011-10-18		

	0.15*	2011-11-17		
	0.15*	2011-12-14		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10		
Le Tholon	0.15*	2011-06-07		
(Station: 03042820)	0.15*	2011-07-05		
	0.15*	2011-08-09	*Estimated 90P*	
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		

	0.15*	2011-05-10		
Le Vrin	0.15*	2011-06-17		
(Station: 03029530)	0.15*	2011-07-05		
	0.15*	2011-08-09	*Estimated 90P*	
	0.15*	2011-09-13		
	0.15*	2011-10-10		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.045*	2011-01-12		
	0.045*	2011-02-02		
	0.045*	2011-03-03		
	0.045*	2011-04-05		
	0.045*	2011-05-03		
L`Écaillon	0.045*	2011-06-16		
(Station: 01028000)	0.045*	2011-07-05		
	0.045*	2011-08-05	*Estimated 90P*	
	0.045*	2011-09-14		
	0.045*	2011-10-05		
	0.045*	2011-11-08		
	0.045*	2011-12-02		
	*0.045**			

	0.15*	2011-01-12		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
	0.15*	2011-04-14		
	0.15*	2011-05-11		
L´Embranchement	0.15*	2011-06-09		
(Station: 03034000)	0.15*	2011-07-06		
	0.15*	2011-08-10	*Estimated 90P*	
	0.15*	2011-09-14		
	0.15*	2011-10-13		
	0.15*	2011-11-16		
	0.15*	2011-12-14		
	*0.15**			
	*0.15**			
	0.15*	2011-01-17		
	0.15*	2011-02-14		
	0.15*	2011-03-14		
L´Epte	0.15*	2011-04-18		
	0.15*	2011-05-16		
(Station: 03175000)	0.15*	2011-06-20	*Estimated 90P*	

	0.15*	2011-07-18		
	0.15*	2011-08-29		
	0.15*	2011-09-19		
	0.15*	2011-10-24		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.15*	2011-01-06		
	0.15*	2011-02-02		
	0.15*	2011-03-01		
	0.15*	2011-04-06		
	0.15*	2011-05-04		
(Station: 03178000)	0.15*	2011-06-09	*Estimated 90P*	
	0.15*	2011-07-04		
	0.15*	2011-08-02		
	0.15*	2011-09-06		
	0.15*	2011-10-13		
	0.15*	2011-11-03		
	0.15*	2011-12-01		
	*0.15**			

	0.05*	2011-01-27		
	0.05*	2011-02-17		
	0.05*	2011-03-28		
	0.05*	2011-04-21		
	0.05*	2011-05-23		
Lergue	0.05*	2011-06-27	*Estimated 90P*	
(Station: 06183000)	0.05*	2011-07-28		
	0.05*	2011-08-22		
	0.05*	2011-09-26	*Total estimated 90P*	
	0.05*	2011-10-20		
	0.05*	2011-11-21		
	0.05*	2011-12-13		
	*0.05**			
	0.045*	2011-02-22		
	0.045*	2011-03-21		
	0.045*	2011-04-29		
	0.045*	2011-05-18		
	0.045*	2011-06-27		
Les Évoissons	0.045*	2011-07-26		
(Station: 01138300)	0.045*	2011-08-30		
	0.045*	2011-09-14	*Estimated 90P*	
	0.045*	2011-10-17		
	0.045*	2011-11-17		

	0.045*	2011-12-21		
	*0.045**			
	0.045*	2011-01-17		
	0.045*	2011-02-16		
	0.045*	2011-03-23		
	0.045*	2011-04-27		
	0.045*	2011-05-11		
L´Escaut Canalisé	0.045*	2011-06-22		
(Station: 01016000)	0.045*	2011-07-12		
	0.045*	2011-08-29		
	0.045*	2011-09-12		
	0.045*	2011-10-12	*Estimated 90P*	
	0.045*	2011-11-14		
	0.045*	2011-12-20		
	*0.045**			
	0.045*	2011-01-13		
	0.045*	2011-02-07		
	0.045*	2011-03-03		
	0.045*	2011-04-18		
	0.045*	2011-05-10		

L´Escaut Rivière	0.045*	2011-06-20		
(Station: 01010000)	0.045*	2011-07-07		
	0.045*	2011-08-18		
	0.045*	2011-09-07		
	0.045*	2011-10-06	*Estimated 90P*	
	0.045*	2011-11-09		
	0.045*	2011-12-13		
	*0.045**			
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-22		
	0.15*	2011-03-08		
L´Eure	0.15*	2011-04-12		
	0.15*	2011-05-11		
(Station: 03190300)	0.15*	2011-06-07		
	0.15*	2011-07-26	*Estimated 90P*	
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-05		
	0.15*	2011-11-08		
	0.15*	2011-12-06		

	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-22		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-11		
(Station: 03191700)	0.15*	2011-06-07		
	0.15*	2011-07-26	*Estimated 90P*	
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-05		
	0.15*	2011-11-08		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-22		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-11		
(Station: 03187000)	0.15*	2011-06-07		
	0.15*	2011-07-26	*Estimated 90P*	

	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-05	*Total estimated 90P*	
	0.15*	2011-11-08		
	0.15*	2011-12-06		
	*0.15**			
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-17		
	0.05*	2011-12-05		
Leysse	*0.05**			
(Station: 06073500)				
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-24		
	0.05*	2011-04-26		
	0.05*	2011-07-25		
Lez	0.05*	2011-10-24		
(Station: 06189500)	*0.05**			

	0.05*	2011-01-27		
	0.05*	2011-05-25		
	0.05*	2011-07-28		
	0.05*	2011-11-23		
(Station: 06117450)	*0.05**			
			Estimated 90P	
	0.05*	2011-02-22		
	0.05*	2011-04-27		
	0.05*	2011-08-24		
	0.05*	2011-12-14		
(Station: 06188785)	*0.05**			
	0.05*	2011-01-24		
	0.05*	2011-02-21		
	0.05*	2011-03-30		
	0.05*	2011-04-26		
	0.05*	2011-05-26		
(Station: 06117220)	0.05*	2011-06-29		
	0.05*	2011-07-25		
	0.05*	2011-08-22	*Estimated 90P*	
	0.05*	2011-09-28		

	0.05*	2011-10-24		
	0.05*	2011-11-24		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	*0.045**			
	0.045*	2011-01-10	*Total estimated 90P*	
	0.045*	2011-02-03		
	0.045*	2011-03-08		
L´Helpe Majeure	0.045*	2011-04-05		
	0.045*	2011-05-03		
(Station: 01001122)	0.045*	2011-06-03		
	0.045*	2011-07-01		
	0.045*	2011-08-17	*Estimated 90P*	
	0.045*	2011-09-02		
	0.045*	2011-10-04		
	0.045*	2011-11-02		
	0.045*	2011-12-02		
	*0.045**			
	0.045*	2011-01-10	*Estimated 90P*	

	0.045*	2011-02-03		
	0.045*	2011-03-08		
	0.045*	2011-04-05		
	0.045*	2011-05-03		
(Station: 01008000)	0.045*	2011-06-03		
	0.045*	2011-07-01		
	0.045*	2011-08-17		
	0.045*	2011-09-02	*Estimated 90P*	
	0.045*	2011-10-04		
	0.045*	2011-11-02		
	0.045*	2011-12-02		
	*0.045**			
	0.045*	2011-01-10		
	0.045*	2011-02-01		
	0.045*	2011-03-08		
	0.045*	2011-04-04		
	0.045*	2011-05-03		
L´Helpe Mineure	0.045*	2011-06-15		
(Station: 01006000)	0.045*	2011-07-01		
	0.045*	2011-08-17		
	0.045*	2011-09-02	*Estimated 90P*	
	0.045*	2011-10-03		
	0.045*	2011-11-02		

	0.045*	2011-12-01	*Total estimated 90P*	
	*0.045**			
	0.045*	2011-01-17		
	0.045*	2011-02-16		
	0.045*	2011-03-23		
	0.045*	2011-04-27		
	0.045*	2011-05-11		
L´Hogneau	0.045*	2011-06-22		
(Station: 01001336)	0.045*	2011-07-12		
	0.045*	2011-08-29		
	0.045*	2011-09-12		
	0.045*	2011-10-12		
	0.045*	2011-11-14	*Estimated 90P*	
	0.045*	2011-12-20		
	*0.045**			
	0.15*	2011-01-04		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
	0.15*	2011-04-04		
	0.15*	2011-05-11		

L´Houay	0.15*	2011-06-06		
(Station: 03234215)	0.15*	2011-07-06		
	0.15*	2011-08-01		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-08		
	0.15*	2011-12-12	*Estimated 90P*	
	*0.15**			
	0.15*	2011-02-16		
	0.15*	2011-03-28		
	0.15*	2011-04-20		
	0.15*	2011-05-23		
	0.15*	2011-06-22		
Libron	0.15*	2011-11-21		
(Station: 06188740)	0.15*	2011-12-07		
	*0.15**			
	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-02-21		
	0.05*	2011-03-29		
	0.05*	2011-04-26		

	0.05*	2011-05-24		
Ligne	0.05*	2011-06-28		
(Station: 06580274)	0.05*	2011-07-26		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-22		
	0.05*	2011-12-12		
	*0.05**			
	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-05-24		
	0.05*	2011-07-26		
	0.05*	2011-11-22		
Lignon	*0.05**			
(Station: 06114155)				
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-23		
	0.15*	2011-03-13		
L´Iton	0.15*	2011-04-26		

	0.15*	2011-05-12		
(Station: 03197000)	0.15*	2011-06-08		
	0.15*	2011-07-27	*Estimated 90P*	
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-23	*Estimated 90P*	
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-12		
(Station: 03199200)	0.15*	2011-06-08		
	0.15*	2011-07-27		
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-06		
	0.15*	2011-11-09		
	0.15*	2011-12-07		
	*0.15**			

	0.045*	2011-01-12		
	0.045*	2011-02-11	*Estimated 90P*	
	0.045*	2011-03-02		
	0.045*	2011-04-19		
	0.045*	2011-05-09		
L´Omignon	0.045*	2011-06-21		
(Station: 01119100)	0.045*	2011-07-06		
	0.045*	2011-08-19		
	0.045*	2011-09-06		
	0.045*	2011-10-07	*Estimated 90P*	
	0.045*	2011-11-08		
	0.045*	2011-12-16		
	*0.045**		*Total estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-20		
	0.05*	2011-05-17		
L´Orain	0.05*	2011-06-28		
(Station: 06310200)	0.05*	2011-07-19		
	0.05*	2011-08-17		

	0.05*	2011-09-20		
	0.05*	2011-10-25		
	0.05*	2011-11-15		
	0.05*	2011-12-08		
			Estimated 90P	
	*0.05**			
	0.15*	2011-01-17		
	0.15*	2011-02-23		
	0.15*	2011-03-21		
	0.15*	2011-04-20		
	0.15*	2011-05-25		
L´Orbiquet	0.15*	2011-06-22		
(Station: 03226540)	0.15*	2011-07-25		
	0.15*	2011-08-24		
	0.15*	2011-09-27		
	0.15*	2011-10-25		
	0.15*	2011-11-21		
	0.15*	2011-12-14		
			Estimated 90P	
	*0.15**			
	*0.15**			

	0.15*	2011-01-13		
	0.15*	2011-02-09		
	0.15*	2011-03-10		
L´Ornain	0.15*	2011-04-14		
	0.15*	2011-05-12		
(Station: 03102000)	0.15*	2011-06-16		
	0.15*	2011-07-21		
	0.15*	2011-08-10		
	0.15*	2011-09-15		
	0.15*	2011-10-12		
	0.15*	2011-11-09	*Estimated 90P*	
	0.15*	2011-12-07		
	*0.15**			
	0.15*	2011-01-12		
	0.15*	2011-02-09		
	0.15*	2011-03-09		
	0.15*	2011-04-13		
	0.15*	2011-05-11		
(Station: 03099490)	0.15*	2011-06-16		
	0.15*	2011-07-19		
	0.15*	2011-08-10		
	0.15*	2011-09-14		
	0.15*	2011-10-13		

	0.15*	2011-11-14	*Estimated 90P*	
	0.15*	2011-12-07		
	*0.15**			
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
L´Orne	0.15*	2011-04-05		
	0.15*	2011-05-12		
(Station: 03236395)	0.15*	2011-06-07		
	0.15*	2011-07-07		
	0.15*	2011-08-02		
	0.15*	2011-09-14	*Estimated 90P*	
	0.15*	2011-10-11		
	0.15*	2011-11-09		
	0.15*	2011-12-07	*Total estimated 90P*	
	*0.15**			
	0.15*	2011-01-04		
	0.15*	2011-02-07		

	0.15*	2011-03-08		
	0.15*	2011-04-04		
	0.15*	2011-05-11		
(Station: 03234650)	0.15*	2011-06-07		
	0.15*	2011-07-06		
	0.15*	2011-08-02		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-08		
	0.15*	2011-12-06	*Estimated 90P*	
	*0.15**			
	*0.15**			
	0.15*	2011-01-10		
	0.15*	2011-02-07		
	0.15*	2011-03-07		
L´Ouanne	0.15*	2011-04-11		
	0.15*	2011-05-09		
(Station: 03057000)	0.15*	2011-06-06		
	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10	*Estimated 90P*	

	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**		*Total estimated 90P*	
	0.15*	2011-01-11		
	0.15*	2011-02-08		
	0.15*	2011-03-08		
	0.15*	2011-04-12		
	0.15*	2011-05-10		
(Station: 03056087)	0.15*	2011-06-07		
	0.15*	2011-07-05		
	0.15*	2011-08-09		
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**		*Estimated 90P*	
	*0.05**			
	0.05*	2011-01-25		
	0.05*	2011-05-24		

	0.05*	2011-07-25		
Loue	0.05*	2011-11-21		
(Station: 06940040)	*0.05**			
	0.05*	2011-02-24		
	0.05*	2011-04-28		
	0.05*	2011-08-25	*Estimated 90P*	
	0.05*	2011-12-14		
(Station: 06031400)	*0.05**		*Total estimated 90P*	
	0.05*	2011-02-15		
	0.05*	2011-04-20		
	0.05*	2011-08-17		
	0.05*	2011-12-08		
(Station: 06033000)	*0.05**			
	0.05*	2011-01-13		
	0.05*	2011-02-17		
	0.05*	2011-03-24		
	0.05*	2011-04-11		

	0.05*	2011-05-19		
Loup	0.05*	2011-06-23	*Estimated 90P*	
(Station: 06700175)	0.05*	2011-07-21		
	0.05*	2011-08-24		
	0.05*	2011-09-26		
	0.05*	2011-10-28		
	0.05*	2011-11-18		
	0.05*	2011-12-15		
	*0.05**			
	*0.15**			
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
L´Ource	0.15*	2011-04-26	*Estimated 90P*	
	0.15*	2011-05-23		
(Station: 03006590)	0.15*	2011-06-27		
	0.15*	2011-07-11	*Total estimated 90P*	
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-12		

	*0.15**		*Estimated 90P*	
	0.15*	2011-01-24		
	0.15*	2011-02-21		
	0.15*	2011-03-21		
	0.15*	2011-04-26		
	0.15*	2011-05-23		
(Station: 03006268)	0.15*	2011-06-27		
	0.15*	2011-07-11	*Estimated 90P*	
	0.15*	2011-08-16		
	0.15*	2011-09-26		
	0.15*	2011-10-24		
	0.15*	2011-11-21		
	0.15*	2011-12-12		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-17		
	0.15*	2011-02-14		
	0.15*	2011-03-16		
	0.15*	2011-04-18		
	0.15*	2011-05-18		
L´Ourcq	0.15*	2011-06-20		

(Station: 03115000)	0.15*	2011-07-27		
	0.15*	2011-08-22		
	0.15*	2011-09-19		
	0.15*	2011-10-17		
	0.15*	2011-11-16		
	0.15*	2011-12-15		
	*0.15**		*Estimated 90P*	
	0.15*	2011-01-10		
	0.15*	2011-02-07	*Total estimated 90P*	
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09		
L´Oze	0.15*	2011-06-07		
(Station: 03040250)	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12		
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			

	0.05*	2011-01-24		
	0.05*	2011-02-23	*Estimated 90P*	
	0.05*	2011-03-28		
	0.05*	2011-04-27		
	0.05*	2011-05-24		
Luech	0.05*	2011-06-29		
(Station: 06118550)	0.05*	2011-07-25		
	0.05*	2011-08-24		
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-22		
	0.05*	2011-12-13		
	*0.05**			
	0.15*	2011-01-11		
	0.15*	2011-02-16	*Estimated 90P*	
	0.15*	2011-03-22		
	0.15*	2011-04-14		
	0.15*	2011-05-25		
L´Ure	0.15*	2011-06-15		
(Station: 03233980)	0.15*	2011-07-21		
	0.15*	2011-08-25		
	0.15*	2011-09-12		
	0.15*	2011-10-19		

	0.15*	2011-11-09		
	0.15*	2011-12-13		
	*0.15**			
	0.05*	2011-01-11		
	0.05*	2011-02-16	*Estimated 90P*	
	0.05*	2011-03-22		
	0.05*	2011-04-14		
	0.05*	2011-05-25		
Luri	0.05*	2011-06-15		
(Station: 06300200)	0.05*	2011-07-21		
	0.05*	2011-08-25		
	0.05*	2011-09-28		
	0.05*	2011-10-19		
	0.05*	2011-11-09		
	0.05*	2011-12-13		
	*0.05**			
	0.05*	2011-02-23		
	0.05*	2011-04-21	*Estimated 90P*	
	0.05*	2011-08-25		
	0.05*	2011-12-12		

Luynes	*0.05**			
(Station: 06194000)				
	*0.15**			
	0.15*	2011-01-11		
	0.15*	2011-02-07		
	0.15*	2011-03-08		
L´Yonne	0.15*	2011-04-12		
	0.15*	2011-05-10		
(Station: 03024840)	0.15*	2011-06-08		
	0.15*	2011-07-05		
	0.15*	2011-08-09	*Estimated 90P*	
	0.15*	2011-09-13		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		
	*0.15**			
	0.15*	2011-01-05		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
	0.15*	2011-04-12		

	0.15*	2011-05-12		
(Station: 03029000)	0.15*	2011-06-08		
	0.15*	2011-07-07		
	0.15*	2011-08-10	*Estimated 90P*	
	0.15*	2011-09-26		
	0.15*	2011-10-12		
	0.15*	2011-11-09		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-13		
	0.15*	2011-02-10		
	0.15*	2011-03-10		
	0.15*	2011-04-14		
	0.15*	2011-05-12		
(Station: 03024245)	0.15*	2011-06-09		
	0.15*	2011-07-07		
	0.15*	2011-08-11	*Estimated 90P*	
	0.15*	2011-09-15		
	0.15*	2011-10-13		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
	*0.15**			

			Estimated 90P	
	0.15*	2011-01-13		
	0.15*	2011-02-10		
	0.15*	2011-03-10	*Total estimated 90P*	
	0.15*	2011-04-14		
	0.15*	2011-05-12		
(Station: 03032000)	0.15*	2011-06-09		
	0.15*	2011-07-07		
	0.15*	2011-08-11		
	0.15*	2011-09-28		
	0.15*	2011-10-13		
	0.15*	2011-11-09		
	0.15*	2011-12-06		
	*0.15**			
	0.15*	2011-01-13		
	0.15*	2011-02-10	*Estimated 90P*	
	0.15*	2011-03-10		
	0.15*	2011-04-14		
	0.15*	2011-05-12		
(Station: 03024392)	0.15*	2011-06-09		
	0.15*	2011-07-07		
	0.15*	2011-08-11		

	0.15*	2011-09-15		
	0.15*	2011-10-13		
	0.15*	2011-11-17		
	0.15*	2011-12-15		
	*0.15**			
	0.045*	2011-02-15		
	0.045*	2011-03-09		
	0.045*	2011-04-27	*Estimated 90P*	
	0.045*	2011-05-09		
	0.045*	2011-06-27		
L´Yser	0.045*	2011-07-07		
(Station: 01089000)	0.045*	2011-08-24		
	0.045*	2011-09-02		
	0.045*	2011-10-24		
	0.045*	2011-11-03		
	0.045*	2011-12-06		
	*0.045**			
	0.05*	2011-01-17		
	0.05*	2011-02-15		
	0.05*	2011-03-23		

	0.05*	2011-04-19	*Estimated 90P*	
Mance	0.05*	2011-05-17		
(Station: 06001190)	0.05*	2011-06-22		
	0.05*	2011-07-18		
	0.05*	2011-08-17		
	0.05*	2011-09-21		
	0.05*	2011-10-19		
	0.05*	2011-11-15		
	0.05*	2011-12-07		
	*0.05**			
	0.05*	2011-01-27		
	0.05*	2011-05-19		
	0.05*	2011-07-28	*Estimated 90P*	
	0.05*	2011-11-17		
Mare	*0.05**			
(Station: 06184980)				
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-21		
	0.05*	2011-04-19		
	0.05*	2011-05-17		

Maury	0.05*	2011-06-21		
(Station: 06173500)	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-19		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06	*Estimated 90P*	
	*0.05**			
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-16		
Menoge	0.05*	2011-06-21		
(Station: 06830152)	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18	*Estimated 90P*	
	0.05*	2011-11-14		
	0.05*	2011-12-06		
	*0.05**			

	0.05*	2011-01-31		
	0.05*	2011-02-25		
	0.05*	2011-03-24		
	0.05*	2011-04-11		
Méouge	0.05*	2011-05-13		
(Station: 06156230)	0.05*	2011-06-30		
	0.05*	2011-07-25		
	0.05*	2011-08-19		
	0.05*	2011-09-16		
	0.05*	2011-10-27		
	0.05*	2011-11-24	*Estimated 90P*	
	0.05*	2011-12-16		
	*0.05**			
	0.05*	2011-02-14		
	0.05*	2011-04-19		
	0.05*	2011-08-16	*Estimated 90P*	
	0.05*	2011-12-06		
Meuzin	*0.05**			
(Station: 06036970)				
	0.05*	2011-01-27		

	0.05*	2011-05-25		
	0.05*	2011-07-26		
	0.05*	2011-11-23		
Meyne	*0.05**			
(Station: 06118000)				
	0.05*	2011-01-17		
	0.05*	2011-05-18		
	0.05*	2011-07-18	*Estimated 90P*	
	0.05*	2011-11-16		
Morte	*0.05**			
(Station: 06004870)				
	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Mouge	0.05*	2011-06-20		
(Station: 06047360)	0.05*	2011-07-18		
	0.05*	2011-08-18		
	0.05*	2011-09-19		
	0.05*	2011-10-17		
	0.05*	2011-11-14	*Estimated 90P*	

	0.05*	2011-12-05		
	*0.05**			
	0.05*	2011-01-13		
	0.05*	2011-05-19		
	0.05*	2011-07-21		
	0.05*	2011-11-18		
Mourachonne	*0.05**			
(Station: 06208900)				
	0.05*	2011-01-18		
	0.05*	2011-05-17		
	0.05*	2011-07-19	*Estimated 90P*	
	0.05*	2011-11-15		
Nartuby	*0.05**			
(Station: 06205480)				
	0.05*	2011-09-27		
	0.05*	2011-10-12		
	0.05*	2011-11-04	*Estimated 90P*	
	0.05*	2011-12-27		

Nievre	*0.05**			
(Station: 04025100)				
	*0.05**			
	0.05*	2011-01-26	*Estimated 90P*	
	0.05*	2011-02-14		
	0.05*	2011-03-29		
Ognong	0.05*	2011-04-21		
	0.05*	2011-05-25		
(Station: 06426000)	0.05*	2011-06-20		
	0.05*	2011-07-26		
	0.05*	2011-08-16		
	0.05*	2011-09-27	*Estimated 90P*	
	0.05*	2011-10-18		
	0.05*	2011-11-22		
	0.05*	2011-12-08		
	*0.05**			
	0.05*	2011-01-25		
	0.05*	2011-02-22		
	0.05*	2011-03-21		
	0.05*	2011-04-20		
	0.05*	2011-05-24		

(Station: 06440445)	0.05*	2011-06-20		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-19	*Estimated 90P*	
	0.05*	2011-10-18		
	0.05*	2011-11-16		
	0.05*	2011-12-08		
	*0.05**			
	0.05*	2011-01-26	*Estimated 90P*	
	0.05*	2011-02-14		
	0.05*	2011-03-29	*Total estimated 90P*	
	0.05*	2011-04-21		
	0.05*	2011-05-25		
(Station: 06425800)	0.05*	2011-06-20		
	0.05*	2011-07-26		
	0.05*	2011-08-16		
	0.05*	2011-09-27	*Estimated 90P*	
	0.05*	2011-10-18		
	0.05*	2011-11-22		
	0.05*	2011-12-08		
	*0.05**			

(Station: 06439460)	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-24	*Total estimated 90P*	
	0.05*	2011-06-22		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-21		
	0.05*	2011-10-26		
	0.05*	2011-11-16		
	0.05*	2011-12-08		
	*0.05**			
(Station: 06010000)	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-02-14		
	0.05*	2011-04-20		
	0.05*	2011-05-18		
	0.05*	2011-07-20		
	0.05*	2011-08-16		
	0.05*	2011-11-16		
	0.05*	2011-12-08		

	*0.05**			
	0.05*	2011-01-12		
	0.05*	2011-02-14		
	0.05*	2011-03-14		
	0.05*	2011-04-11		
	0.05*	2011-05-12		
Oignin	0.05*	2011-06-15		
(Station: 06580184)	0.05*	2011-07-07		
	0.05*	2011-08-17	*Estimated 90P*	
	0.05*	2011-09-12		
	0.05*	2011-10-17		
	0.05*	2011-11-16		
	0.05*	2011-12-19		
	*0.05**			
	*0.05**			
	0.05*	2011-01-19		
	0.05*	2011-02-17		
	0.05*	2011-03-31		
Orb	0.05*	2011-04-21		
	0.05*	2011-05-19		

(Station: 06187100)	0.05*	2011-06-22		
	0.05*	2011-07-20	*Estimated 90P*	
	0.05*	2011-08-22		
	0.05*	2011-09-29		
	0.05*	2011-10-20		
	0.05*	2011-11-17		
	0.05*	2011-12-07		
	*0.05**			
	0.05*	2011-02-17		
	0.05*	2011-04-21		
	0.05*	2011-08-22		
	0.05*	2011-12-07		
(Station: 06184800)	*0.05**		*Estimated 90P*	
	0.05*	2011-02-17		
	0.05*	2011-04-21		
	0.05*	2011-08-22		
	0.05*	2011-12-07		
Orbiel (Station: 06179000)	*0.05**			

	0.05*	2011-02-17		
	0.05*	2011-04-21		
	0.05*	2011-08-22	*Estimated 90P*	
	0.05*	2011-12-07		
Orbieu	*0.05**			
(Station: 06179700)				
	*0.05**			
	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
Ouche	0.05*	2011-12-07		
(Station: 06016500)	*0.05**			
	0.05*	2011-01-19	*Estimated 90P*	
	0.05*	2011-05-18		
	0.05*	2011-07-22		
	0.05*	2011-11-16	*Total estimated 90P*	
(Station: 06014970)	*0.05**			

	0.05*	2011-01-19		
	0.05*	2011-05-18		
	0.05*	2011-07-19		
	0.05*	2011-11-16		
(Station: 06014940)	*0.05**			
	0.05*	2011-01-24		
	0.05*	2011-02-21		
	0.05*	2011-03-30		
	0.05*	2011-04-26	*Estimated 90P*	
	0.05*	2011-05-26		
Oule	0.05*	2011-06-29		
(Station: 06116620)	0.05*	2011-07-25		
	0.05*	2011-08-22		
	0.05*	2011-09-28		
	0.05*	2011-10-24		
	0.05*	2011-11-24		
	0.05*	2011-12-14	*Estimated 90P*	
	*0.05**			
	0.05*	2011-01-25		

	0.05*	2011-05-23		
	0.05*	2011-07-26		
	0.05*	2011-11-22	*Estimated 90P*	
Ouvèze (Station: 06820013)	*0.05**			
	0.05*	2011-01-24		
	0.05*	2011-05-23		
	0.05*	2011-11-21	*Estimated 90P*	
Pallas (Station: 06188900)	*0.05**		*Total estimated 90P*	
	0.05*	2011-02-23		
	0.05*	2011-04-28		
	0.05*	2011-08-25		
	0.05*	2011-12-15		
Petit Rhône (Station: 06131900)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-17		
	0.05*	2011-05-16		
	0.05*	2011-07-18		
	0.05*	2011-11-14		

Petite Grosne	*0.05**			
(Station: 06047500)				
			Estimated 90P	
	0.05*	2011-01-18		
	0.05*	2011-05-18		
	0.05*	2011-07-18		
	0.05*	2011-11-16		
Real Collobrier	*0.05**			
(Station: 06200700)				
			Estimated 90P	
	0.05*	2011-02-14		
	0.05*	2011-04-21		
	0.05*	2011-08-19		
	0.05*	2011-12-05		
Réal de Jouques	*0.05**			
(Station: 06162350)				
	0.05*	2011-01-26		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-13		
	0.05*	2011-05-17		
Regino	0.05*	2011-06-07		

(Station: 06222410)	0.05*	2011-07-19		
	0.05*	2011-08-22	*Estimated 90P*	
	0.05*	2011-09-21		
	0.05*	2011-11-08		
	0.05*	2011-12-01		
	*0.05**			
	0.05*	2011-02-16	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-08-17		
	0.05*	2011-12-07		
Resaigne	*0.05**			
(Station: 06416910)			*Estimated 90P*	
	*0.05**			
	0.05*	2011-01-20		
	0.05*	2011-05-16		
	0.05*	2011-07-21		
Reyssouze	0.05*	2011-11-21		
(Station: 06047200)	*0.05**		*Estimated 90P*	

	0.05*	2011-02-15		
	0.05*	2011-04-12		
	0.05*	2011-08-18		
	0.05*	2011-12-21		
(Station: 06046000)	*0.05**		*Estimated 90P*	
	*0.05**			
	0.05*	2011-02-22		
	0.05*	2011-04-27		
	0.05*	2011-08-23		
Rhône	0.05*	2011-12-13	*Estimated 90P*	
(Station: 06126600)	*0.05**			
	0.05*	2011-01-26		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-12	*Estimated 90P*	
	0.05*	2011-05-11		
(Station: 06131550)	0.05*	2011-06-07		
	0.05*	2011-07-05		

	0.05*	2011-08-11		
	0.05*	2011-09-06		
	0.05*	2011-10-03		
	0.05*	2011-11-07		
	0.05*	2011-12-12		
	*0.05**			
	0.05*	2011-01-13		
	0.05*	2011-02-17		
	0.05*	2011-04-18	*Estimated 90P*	
	0.05*	2011-05-24		
	0.05*	2011-07-08		
(Station: 06079050)	0.05*	2011-08-23		
	0.05*	2011-11-18		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-28	*Total estimated 90P*	
	0.05*	2011-04-15		
	0.05*	2011-05-23		
	0.05*	2011-07-26		

(Station: 06106600)	0.05*	2011-08-26		
	0.05*	2011-11-22		
	0.05*	2011-12-12		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-17		
	0.05*	2011-05-16		
	0.05*	2011-07-18		
	0.05*	2011-11-14		
(Station: 06072300)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-27	*Total estimated 90P*	
	0.05*	2011-05-23		
	0.05*	2011-07-28		
	0.05*	2011-11-21		
(Station: 06113000)	*0.05**			
	0.05*	2011-02-16	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-08-19		

	0.05*	2011-12-14		
(Station: 06069550)	*0.05**			
	0.05*	2011-02-22		
	0.05*	2011-04-26		
	0.05*	2011-08-23		
	0.05*	2011-12-12		
(Station: 06113500)	*0.05**			
	0.05*	2011-02-14	*Estimated 90P*	
	0.05*	2011-04-11		
	0.05*	2011-08-17		
	0.05*	2011-12-19		
(Station: 06065700)	*0.05**			
	0.05*	2011-01-26		
	0.05*	2011-02-21		
	0.05*	2011-03-29		
	0.05*	2011-04-28		
	0.05*	2011-05-24	*Estimated 90P*	

(Station: 06110400)	0.05*	2011-06-29		
	0.05*	2011-07-27		
	0.05*	2011-08-22		
	0.05*	2011-09-27		
	0.05*	2011-10-24		
	0.05*	2011-11-23		
	0.05*	2011-12-12		
	*0.05**			
	0.05*	2011-01-17	*Estimated 90P*	
	0.05*	2011-02-14		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
(Station: 06072400)	0.05*	2011-06-20		
	0.05*	2011-07-18		
	0.05*	2011-08-17		
	0.05*	2011-09-19	*Estimated 90P*	
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**			

	0.05*	2011-01-24	*Estimated 90P*	
	0.05*	2011-05-24		
	0.05*	2011-07-25		
	0.05*	2011-11-18		
(Station: 06080000)	*0.05**			
	0.05*	2011-02-21	*Estimated 90P*	
	0.05*	2011-04-26		
	0.05*	2011-08-22		
	0.05*	2011-12-12		
(Station: 06104000)	*0.05**			
	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-05-31		
	0.05*	2011-07-26		
	0.05*	2011-12-14		
(Station: 06100900)	*0.05**			
	0.05*	2011-01-18	*Estimated 90P*	

	0.05*	2011-05-31		
	0.05*	2011-07-19		
	0.05*	2011-11-29		
(Station: 06093900)	*0.05**			
	0.05*	2011-01-26		
	0.05*	2011-02-22		
	0.05*	2011-03-29		
	0.05*	2011-04-28		
	0.05*	2011-05-24		
Roanne	0.05*	2011-06-28		
(Station: 06107980)	0.05*	2011-07-28		
	0.05*	2011-08-23		
	0.05*	2011-09-27	*Estimated 90P*	
	0.05*	2011-10-26		
	0.05*	2011-11-23		
	0.05*	2011-12-13		
	*0.05**			
	*0.05**			
	0.05*	2011-01-27		

	0.05*	2011-05-26		
	0.05*	2011-07-28		
Romanche	0.05*	2011-11-24		
(Station: 06143950)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-27		
	0.05*	2011-05-26		
	0.05*	2011-07-28		
	0.05*	2011-11-24		
(Station: 06144900)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-26		
	0.05*	2011-05-24		
	0.05*	2011-07-28		
	0.05*	2011-11-23		
Roubion (Station: 06300046)	*0.05**		*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-16		
	0.05*	2011-03-15		

	0.05*	2011-04-20		
	0.05*	2011-05-10		
Ru d´Aitone	0.05*	2011-06-21		
(Station: 06219590)	0.05*	2011-07-05	*Estimated 90P*	
	0.05*	2011-08-02		
	0.05*	2011-09-28		
	0.05*	2011-10-20		
	0.05*	2011-11-22		
	0.05*	2011-12-07		
	*0.05**		*Estimated 90P*	
	0.15*	2011-01-12		
	0.15*	2011-02-08		
	0.15*	2011-03-09		
	0.15*	2011-04-12		
	0.15*	2011-05-11		
Ru de Druyes	0.15*	2011-06-08		
(Station: 03025919)	0.15*	2011-07-06		
	0.15*	2011-08-09		
	0.15*	2011-09-14		
	0.15*	2011-10-11		
	0.15*	2011-11-15		
	0.15*	2011-12-13		

	*0.15**			
			Estimated 90P	
	0.15*	2011-01-10		
	0.15*	2011-02-07	*Total estimated 90P*	
	0.15*	2011-03-07		
	0.15*	2011-04-11		
	0.15*	2011-05-09		
Ru de Mélisey	0.15*	2011-06-06		
(Station: 06047200)	0.15*	2011-07-04		
	0.15*	2011-08-08		
	0.15*	2011-09-12	*Estimated 90P*	
	0.15*	2011-10-10		
	0.15*	2011-11-14		
	0.15*	2011-12-12		
	*0.15**			
	0.05*	2011-01-25	*Estimated 90P*	
	0.05*	2011-02-22		
	0.05*	2011-03-23		
	0.05*	2011-04-21		
	0.05*	2011-05-24		
Ruisseau de Recologne	0.05*	2011-06-22		
(Station: 06438900)	0.05*	2011-07-25		

	0.05*	2011-08-23		
	0.05*	2011-09-21		
	0.05*	2011-10-26	*Estimated 90P*	
	0.05*	2011-11-16		
	0.05*	2011-12-08		
	*0.05**			
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
Sablonne	0.05*	2011-06-21		
(Station: 06474920)	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18	*Estimated 90P*	
	0.05*	2011-11-15		
	0.05*	2011-12-06		
	*0.05**			
	0.01*	2011-01-27		

	0.01*	2011-02-24		
	0.01*	2011-03-24		
	0.01*	2011-04-14		
	0.01*	2011-05-19		
Saint-Pand´elon	0.01*	2011-06-23		
(Station: 05219000)	0.01*	2011-07-28		
	0.01*	2011-08-25		
	0.01*	2011-09-22		
	0.01*	2011-10-27	*Estimated 90P*	
	0.01*	2011-11-24		
	0.01*	2011-12-15		
	*0.01**			
	0.05*	2011-01-26		
	0.05*	2011-02-21		
	0.05*	2011-03-30		
	0.05*	2011-04-26		
	0.05*	2011-05-23		
Salaison	0.05*	2011-06-29		
(Station: 06300400)	0.05*	2011-07-27		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-24	*Estimated 90P*	
	0.05*	2011-11-22		

	0.05*	2011-12-15		
	*0.05**			
	0.05*	2011-01-17		
	0.05*	2011-05-18		
	0.05*	2011-07-18		
	0.05*	2011-11-16		
Salon (Station: 06004000)	*0.05**			
	0.05*	2011-02-14		
	0.05*	2011-04-18	*Estimated 90P*	
	0.05*	2011-08-18		
	0.05*	2011-12-05		
Sane (Station: 06044900)	*0.05**			
	*0.05**			
	0.05*	2011-01-19		
	0.05*	2011-05-17		
	0.05*	2011-07-20		

Saône	0.05*	2011-11-15		
(Station: 06000990)	*0.05**		*Estimated 90P*	
	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-07		
(Station: 06001000)	*0.05**			
	0.05*	2011-02-15		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-06		
(Station: 06017050)	*0.05**		*Estimated 90P*	
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-18		
	0.05*	2011-12-05		

(Station: 06045800)	*0.05**			
	0.05*	2011-02-14		
	0.05*	2011-04-19		
	0.05*	2011-08-16		
	0.05*	2011-12-06		
(Station: 06037400)	*0.05**			
			Estimated 90P	
	0.05*	2011-01-18		
	0.05*	2011-05-17		
	0.05*	2011-07-19		
	0.05*	2011-11-22		
(Station: 06059500)	*0.05**			
			Estimated 90P	
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-18		
	0.05*	2011-12-05		
(Station: 06039500)	*0.05**			

			Estimated 90P	
	0.05*	2011-02-22		
	0.05*	2011-04-14		
	0.05*	2011-08-25	*Total estimated 90P*	
	0.05*	2011-12-20		
(Station: 06053800)	*0.05**			
	0.05*	2011-01-18		
	0.05*	2011-05-16		
	0.05*	2011-08-25	*Estimated 90P*	
	0.05*	2011-11-14		
(Station: 06003600)	*0.05**			
	0.05*	2011-01-18		
	0.05*	2011-02-22		
	0.05*	2011-03-30	*Estimated 90P*	
	0.05*	2011-04-19		
	0.05*	2011-05-17		
(Station: 06017070)	0.05*	2011-06-21		
	0.05*	2011-07-19		
	0.05*	2011-08-16		
	0.05*	2011-09-20		

	0.05*	2011-10-18		
	0.05*	2011-11-15	*Estimated 90P*	
	0.05*	2011-12-06		
	*0.05**			
	0.05*	2011-01-17		
	0.05*	2011-02-21		
	0.05*	2011-03-15	*Estimated 90P*	
	0.05*	2011-04-14		
	0.05*	2011-05-17		
(Station: 06810010)	0.05*	2011-06-27		
	0.05*	2011-07-18		
	0.05*	2011-08-24		
	0.05*	2011-09-13		
	0.05*	2011-10-20		
	0.05*	2011-11-22	*Estimated 90P*	
	0.05*	2011-12-20		
	*0.05**			
	0.05*	2011-01-19		
	0.05*	2011-02-15		
	0.05*	2011-03-22	*Estimated 90P*	

	0.05*	2011-04-19		
	0.05*	2011-05-16		
Sasse	0.05*	2011-06-21		
(Station: 06153630)	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-21		
	0.05*	2011-10-17		
	0.05*	2011-11-14	*Estimated 90P*	
	0.05*	2011-12-06		
	*0.05**			
	0.05*	2011-03-21		
	0.05*	2011-07-25		
	0.05*	2011-11-21	*Estimated 90P*	
	*0.05**			
Saujon				
(Station: 05025000)				
	0.05*	2011-01-24		
	0.05*	2011-02-21		
	0.05*	2011-03-28		
	0.05*	2011-04-26	*Estimated 90P*	
	0.05*	2011-05-23		
Savasse	0.05*	2011-06-27		

(Station: 06148850)	0.05*	2011-07-25		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-21		
	0.05*	2011-12-12		
	*0.05**			
	0.05*	2011-02-23		
	0.05*	2011-04-27		
	0.05*	2011-08-24		
	0.05*	2011-12-13	*Estimated 90P*	
Savoureuse	*0.05**			
(Station: 06024000)				
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
Sègre	0.05*	2011-06-20		
(Station: 06166720)	0.05*	2011-07-19		
	0.05*	2011-08-17		

	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-05	*Estimated 90P*	
	*0.05**			
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-18		
	0.05*	2011-12-05		
Seille	*0.05**			
(Station: 06045000)				
	0.05*	2011-01-12		
	0.05*	2011-02-14		
	0.05*	2011-03-14		
	0.05*	2011-04-11	*Estimated 90P*	
	0.05*	2011-05-12		
Semine	0.05*	2011-06-15		
(Station: 06067760)	0.05*	2011-07-07		
	0.05*	2011-08-17		
	0.05*	2011-09-12		
	0.05*	2011-10-17		

	0.05*	2011-11-16	*Estimated 90P*	
	0.05*	2011-12-19		
	*0.05**			
	0.05*	2011-01-13		
	0.05*	2011-02-16		
	0.05*	2011-03-21		
	0.05*	2011-04-18		
	0.05*	2011-05-13		
Séran	0.05*	2011-06-21		
(Station: 06076420)	0.05*	2011-07-08		
	0.05*	2011-08-19		
	0.05*	2011-09-19		
	0.05*	2011-10-24		
	0.05*	2011-11-08	*Estimated 90P*	
	0.05*	2011-12-14		
	*0.05**			
	0.05*	2011-01-13		
	0.05*	2011-04-11		
	0.05*	2011-07-21	*Estimated 90P*	
	0.05*	2011-10-31		

Siagne	*0.05**			
(Station: 06209900)				
	0.05*	2011-02-14		
	0.05*	2011-04-18		
	0.05*	2011-08-17		
	0.05*	2011-12-05		
Sierroz	*0.05**			
(Station: 06800012)				
	0.05*	2011-01-19		
	0.05*	2011-02-21		
	0.05*	2011-03-28	*Estimated 90P*	
	0.05*	2011-04-26		
	0.05*	2011-05-23		
Solnan	0.05*	2011-06-27		
(Station: 06043869)	0.05*	2011-07-20		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-17	*Estimated 90P*	
	0.05*	2011-12-12		
	*0.05**			

	0.05*	2011-01-18		
	0.05*	2011-02-14		
	0.05*	2011-03-23		
	0.05*	2011-04-19		
	0.05*	2011-05-18		
Sou	0.05*	2011-06-20		
(Station: 06176670)	0.05*	2011-07-19		
	0.05*	2011-08-16		
	0.05*	2011-09-21		
	0.05*	2011-10-18		
	0.05*	2011-11-16	*Estimated 90P*	
	0.05*	2011-12-05		
	*0.05**			
	0.05*	2011-01-25		
	0.05*	2011-02-25		
	0.05*	2011-03-24		
	0.05*	2011-04-11		
	0.05*	2011-05-13		
Souloise	0.05*	2011-06-30		
(Station: 06820164)	0.05*	2011-07-28		
	0.05*	2011-08-19		

	0.05*	2011-09-27		
	0.05*	2011-10-27		
	0.05*	2011-11-24	*Estimated 90P*	
	0.05*	2011-12-16		
	*0.05**			
	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-22	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Tech	0.05*	2011-06-20		
(Station: 06167000)	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-17		
	0.05*	2011-11-14	*Estimated 90P*	
	0.05*	2011-12-05		
	*0.05**			
	0.05*	2011-03-21		
	0.05*	2011-07-25		

	0.05*	2011-09-19		
	0.05*	2011-11-21		
La Vézere	*0.05**			
(Station: 05052000)				
	*0.05**			
	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-02-15		
	0.05*	2011-03-21		
Têt	0.05*	2011-04-19		
	0.05*	2011-05-17		
(Station: 06170000)	0.05*	2011-06-21		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-19		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06		
	*0.05**			
	0.05*	2011-01-18	*Estimated 90P*	
	0.05*	2011-02-15		

	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
(Station: 06169880)	0.05*	2011-06-20		
	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-05		
	*0.05**			
	*0.05**		*Estimated 90P*	
	0.05*	2011-05-19		
	0.05*	2011-06-23		
	0.05*	2011-09-15		
Theols	0.05*	2011-10-17		
(Station: 04067625)	*0.05**			
	0.05*	2011-05-23		
	0.05*	2011-06-21		

	0.05*	2011-09-21		
	0.05*	2011-10-18		
(Station: 04067400)	*0.05**		*Estimated 90P*	
	0.05*	2011-02-16		
	0.05*	2011-04-19		
	0.05*	2011-08-17		
	0.05*	2011-12-06		
Tille	*0.05**			
(Station: 06012600)			*Estimated 90P*	
	*0.05**		*Total estimated 90P*	
	0.05*	2011-01-14		
	0.05*	2011-02-28		
	0.05*	2011-03-23		
Tinée	0.05*	2011-04-12		
	0.05*	2011-05-18		
(Station: 06300010)	0.05*	2011-06-21		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-20		

	0.05*	2011-11-25		
	0.05*	2011-12-28		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-28		
	0.05*	2011-03-23		
	0.05*	2011-04-12		
	0.05*	2011-05-18		
(Station: 06210850)	0.05*	2011-06-21		
	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-20		
	0.05*	2011-11-25		
	0.05*	2011-12-28		
	*0.05**		*Estimated 90P*	
	0.05*	2011-02-15		
	0.05*	2011-04-13		
	0.05*	2011-08-18	*Total estimated 90P*	
	0.05*	2011-12-21		

Toison	*0.05**			
(Station: 06091625)				
	0.05*	2011-01-25		
	0.05*	2011-02-22		
	0.05*	2011-03-23	*Estimated 90P*	
	0.05*	2011-04-27		
	0.05*	2011-05-24		
Travo	0.05*	2011-06-22		
(Station: 06222195)	0.05*	2011-07-21		
	0.05*	2011-08-02		
	0.05*	2011-09-05		
	0.05*	2011-10-25		
	0.05*	2011-11-23	*Estimated 90P*	
	0.05*	2011-12-15		
	*0.05**			
	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-21	*Estimated 90P*	
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Tréboul	0.05*	2011-06-21	*Total estimated*	

(Station: 06177910)	0.05*	2011-07-18	*90P*	
	0.05*	2011-08-16		
	0.05*	2011-09-19		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-06		
	*0.05**			
	0.05*	2011-02-22		
	0.05*	2011-04-15		
	0.05*	2011-08-25		
	0.05*	2011-12-12		
Turdine	*0.05**		*Estimated 90P*	
(Station: 06057200)				
	0.05*	2011-01-13		
	0.05*	2011-02-23		
	0.05*	2011-03-28		
	0.05*	2011-04-28		
	0.05*	2011-05-30		
Ubaye	0.05*	2011-06-20		
(Station: 06151900)	0.05*	2011-07-13		
	0.05*	2011-08-25		

	0.05*	2011-09-20		
	0.05*	2011-10-26		
	0.05*	2011-11-28		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-18		
	0.05*	2011-02-15		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-16		
Usses	0.05*	2011-06-22	*Estimated 90P*	
(Station: 06068900)	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-14		
	0.05*	2011-12-07		
	*0.05**			
	0.05*	2011-02-21		
	0.05*	2011-04-26		

	0.05*	2011-08-22		
	0.05*	2011-12-12		
Vallière	*0.05**		*Estimated 90P*	
(Station: 06042500)				
	0.05*	2011-01-27		
	0.05*	2011-02-21		
	0.05*	2011-03-30		
	0.05*	2011-04-28		
	0.05*	2011-05-23		
Valouse	0.05*	2011-06-27		
(Station: 06970900)	0.05*	2011-07-27		
	0.05*	2011-08-22		
	0.05*	2011-09-28		
	0.05*	2011-10-24		
	0.05*	2011-11-21		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-13		
	0.05*	2011-02-17		
	0.05*	2011-03-24		
	0.05*	2011-04-13		

	0.05*	2011-05-19		
Var	0.05*	2011-06-22	*Estimated 90P*	
(Station: 06213000)	0.05*	2011-07-18		
	0.05*	2011-08-24		
	0.05*	2011-09-26		
	0.05*	2011-10-31		
	0.05*	2011-11-18		
	0.05*	2011-12-15		
	*0.05**			
	0.05*	2011-01-17		
	0.05*	2011-02-14		
	0.05*	2011-03-22		
	0.05*	2011-04-18		
	0.05*	2011-05-16		
Verdon	0.05*	2011-06-20	*Estimated 90P*	
(Station: 06160500)	0.05*	2011-07-18		
	0.05*	2011-08-16		
	0.05*	2011-09-20		
	0.05*	2011-10-17		
	0.05*	2011-11-14		
	0.05*	2011-12-05		
	*0.05**			

	0.05*	2011-01-26		
	0.05*	2011-05-25		
	0.05*	2011-07-27		
	0.05*	2011-11-23		
Vernaisson	*0.05**		*Estimated 90P*	
(Station: 06580362)				
	0.05*	2011-01-14		
	0.05*	2011-02-28		
	0.05*	2011-03-18		
	0.05*	2011-04-13		
	0.05*	2011-05-25		
Vesubie	0.05*	2011-06-20	*Estimated 90P*	
(Station: 06212100)	0.05*	2011-07-25		
	0.05*	2011-08-23		
	0.05*	2011-09-28		
	0.05*	2011-10-20		
	0.05*	2011-11-28		
	0.05*	2011-12-15		
	*0.05**			

	0.05*	2011-01-20		
	0.05*	2011-05-16		
	0.05*	2011-07-21		
	0.05*	2011-11-21		
Veyle	*0.05**		*Estimated 90P*	
(Station: 06049000)				
	0.05*	2011-01-25		
	0.05*	2011-02-23		
	0.05*	2011-03-29		
	0.05*	2011-04-27		
	0.05*	2011-05-25		
Vidourle	0.05*	2011-06-28		
(Station: 06178023)	0.05*	2011-07-26		
	0.05*	2011-08-25		
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-23		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	0.05*	2011-05-16		
	0.05*	2011-06-14		

	0.05*	2011-09-13		
	0.05*	2011-10-05		
Vienne	*0.05**			
(Station: 04079800)				
	0.05*	2011-01-19		
	0.05*	2011-02-16		
	0.05*	2011-03-22		
	0.05*	2011-04-18		
	0.05*	2011-05-18		
Vingeanne	0.05*	2011-06-22	*Estimated 90P*	
(Station: 06005700)	0.05*	2011-07-20		
	0.05*	2011-08-18		
	0.05*	2011-09-22		
	0.05*	2011-10-19		
	0.05*	2011-11-16		
	0.05*	2011-12-07		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-25		
	0.05*	2011-02-22		
	0.05*	2011-03-29		
	0.05*	2011-04-27		

	0.05*	2011-05-24		
Vis	0.05*	2011-06-28		
(Station: 06181945)	0.05*	2011-07-26		
	0.05*	2011-08-24		
	0.05*	2011-09-27		
	0.05*	2011-10-25		
	0.05*	2011-11-22		
	0.05*	2011-12-14		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-26		
	0.05*	2011-04-28		
	0.05*	2011-07-27		
	0.05*	2011-10-26		
Vistre	*0.05**		*Estimated 90P*	
(Station: 06193700)				
	0.05*	2011-01-25		
	0.05*	2011-02-21		
	0.05*	2011-03-29		
	0.05*	2011-04-26		
	0.05*	2011-05-24		
Volane	0.05*	2011-06-28		

(Station: 06114295)	0.05*	2011-07-26		
	0.05*	2011-08-22		
	0.05*	2011-09-26		
	0.05*	2011-10-24		
	0.05*	2011-11-22		
	0.05*	2011-12-12		
	*0.05**		*Estimated 90P*	
	0.05*	2011-01-18		
	0.05*	2011-02-16		
	0.05*	2011-03-22		
	0.05*	2011-04-19		
	0.05*	2011-05-17		
Vouge	0.05*	2011-06-21	*Estimated 90P*	
(Station: 06017000)	0.05*	2011-07-19		
	0.05*	2011-08-17		
	0.05*	2011-09-20		
	0.05*	2011-10-18		
	0.05*	2011-11-15		
	0.05*	2011-12-06		
	*0.05**			

	0.05*	2011-05-24		
	0.05*	2011-06-22		
	0.05*	2011-09-22		
	0.05*	2011-10-18		
Yevre (Station: 04065800)	*0.05**		*Estimated 90P*	
			Estimated 90P	

			Estimated 90P	
			Estimated 90P	

			Estimated 90P *Estimated 90P*	
Germany Elbe (Geestacht) Elbe (Wittenberg) Fulda	 0.025* 0.025*	2007, autumn	Analysis: SPE-LC-MS Flow 614 m^3/s Flow 243 m^3/s	Joint Research Center (2008)

(Hannoversch Münden)	0.025*		Flow 92.1 m^3/s	
Havel (Ketzin)	0.025*		Flow 45.5 m^3/s	
Isar (München)	0.025*		Flow 33.6 m^3/s	
Lahn (Lahnstein)	0.025*		Flow 75.4 m^3/s	
Main (Kostheim)	0.025*		Flow 166 m^3/s Observation: sediments, dirty	
Mosel (Koblenz/Mosel)	0.025*		Flow 224 m^3/s	
Mulde (Dessau)	0.025*		Flow 287 m^3/s	
Neckar (Manheim)	0.025*		Flow 239 m^3/s Observation: sediments, dirty	
Oder (Eisenhüttenstadt)	0.025*		Flow 238 m^3/s	
Oder (Schwedt)				

Saale (Bernburg)	0.025*		Flow 477 m^3/s	
Saar (Lisdorf)	0.025*		Flow 205 m^3/s	
Rhine (Burkheim)	0.025*		Flow 18 m^3/s	
Rhine (Koblenz/Rhein)	0.025*		Flow 655 m^3/s	
Rhine (Wesel)	0.025*		Flow 1820 m^3/s	
Rhine (Worms)	0.100		Flow 1170 m^3/s	
Weser (Langwedel)	0.025*		Flow 1380 m^3/s	
	0.025*		Flow 307 m^3/s	
German monitoring data		2006	n = 42	BAUA (2011)

	0.1 0.3 0.21 0.69 0.11 0.36 0.13 1.1	 2007 2008 2009 	mean max n = 117 mean max n = 93 mean max n = 85 mean max	
Berkel (Station: NW374)	*0.10* *0.12* *0.10* *0.12* 12 7 0.05 0.025 0.057 0.13 0.025	2009	*90P min* = *90P max* = *90P min* = *90P max* = – n <LOQ = LOQ = Min = Mean =	EIONET 2013 (http://cdr.eionet.europa.eu/)

			Max =	
			Median =	
Elbe	*0.06*			
	0.09			
			90P min =	
(Station: HH011)	*0.05*		*90P max* =	
	0.05			
	12		*90P min* =	
	12		–	
	0.1			
	0.05			
	0.05			
	0.05			
			n =	
(Station: HH03)	*0.05*		n <LOQ =	
	0.05		LOQ =	
	12		Min =	
	12		Mean =	
	0.1		Max =	
	0.05		Median =	
	0.05			
	0.05		*90P min* =	
	0.05		*90P max* =	
			n =	
(Station: SH17)	*0.05*		n <LOQ =	

	0.05		LOQ =	
	12		Min =	
	12		Mean =	
	0.1		Max =	
	0.05		Median =	
	0.05			
	0.05		*90P min* =	
	0.05		*90P max* =	
			n =	
(Station: SN04)	*0.05*		n <LOQ =	
	0.05		LOQ =	
	12		Min =	
	6		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.025			
	0.078		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: SN051)	*0.05*		n <LOQ =	
	0.05		LOQ =	
	11		Min =	
	8		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.025			

	0.066		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: SN11)	*0.05*		n <LOQ =	
	0.05		LOQ =	
	11		Min =	
	8		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.025			
	0.062		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: ST02)	*0.066*		n <LOQ =	
	0.15		LOQ =	
	12		Min =	
	3		Mean =	
	0.025		Max =	
	0.0125		Median =	
	0.05879			
	0.2		*90P min* =	
	0.051		*90P max* =	
			n =	
			n <LOQ =	
Ems	*0.025*		LOQ =	
	0.025		Min =	

			Mean =	
(Station: NW181)	*0.025*		Max =	
	0.025		Median =	
	12			
	12			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.025		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: NW406)	*0.025*		n <LOQ =	
	0.025		LOQ =	
	13		Min =	
	12		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.025			
	0.19		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Emscher	*0.21*		LOQ =	
	0.31		Min =	
			Mean =	
(Station: NW301)	*0.21*		Max =	

	0.31		Median =	
	12			
	9			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.08125			
	0.33		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Freiberger Mulde	*0.07*		LOQ =	
	0.12		Min =	
			Mean =	
(Station: SN06)	0.07		Max =	
	0.12		Median =	
	12			
	7			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.12983			
	1.1		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Groβe Röder	*0.16*		LOQ =	
	0.34		Min =	

			Mean =	
(Station: SN03)	*0.16*		Max =	
	0.34		Median =	
	12			
	4			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.11167			
	0.52		*90P min* =	
	0.059		*90P max* =	
			n =	
			n <LOQ =	
Havel	*0.11*		LOQ =	
	0.20		Min =	
			Mean =	
(Station:	0.11		Max =	
	0.20		Median =	
	12			
	3			
	0.025		*90P min* =	
	0.0125		*90P max* =	
	0.07304			
	0.2		*90P min* =	
	0.048		*90P max* =	
			n =	
			n <LOQ =	

Lenne	*0.025*		LOQ =	
	0.025		Min =	
			Mean =	
(Station: NW11)	*0.025*		Max =	
	0.025		Median =	
	13			
	12			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.072		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Mosel	*0.023*		LOQ =	
	0.023		Min =	
			Mean =	
(Station:RP03R)	*0.023*		Max =	
	0.023		Median =	
	13			
	11			
	0.025		*90P min* =	
	0.0125		*90P max* =	
	0.0125			
	0.11		*90P min* =	
	0.0125		*90P max* =	

			n =	
			n <LOQ =	
Mulde	*0.125*		LOQ =	
	0.125		Min =	
			Mean =	
(Station:ST04)	*0.125*		Max =	
	0.125		Median =	
	12			
	12			
	0.25		*90P min* =	
	0.125		*90P max* =	
	0.125			
	0.125		*90P min* =	
	0.125		*90P max* =	
			n =	
			n <LOQ =	
Lausitzer Neiβe	*0.13*		LOQ =	
	0.32		Min =	
			Mean =	
(Station: SN01)	*0.13*		Max =	
	0.35		Median =	
	12			
	7			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.09217			

	0.4		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: SN10)	*0.065*		n <LOQ =	
	0.077		LOQ =	
	12		Min =	
	9		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.06792			
	0.46		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Neckar	*0.01*		LOQ =	
	0.01		Min =	
			Mean =	
(Station: BW06)	*0.01*		Max =	
	0.01		Median =	
	13			
	11			
	0.011		*90P min* =	
	0.0055		*90P max* =	
	0.0055			
	0.023		*90P min* =	
	0.0055		*90P max* =	

			n =	
(Station: BW07)	*0.011*		n <LOQ =	
	0.011		LOQ =	
	12		Min =	
	9		Mean =	
	0.011		Max =	
	0.0055		Median =	
	0.0055			
	0.019		*90P min* =	
	0.0055		*90P max* =	
			n =	
(Station: BW09)	*0.0055*		n <LOQ =	
	0.0055		LOQ	
	13		Min =	
	12		Mean =	
	0.011		Max =	
	0.0055		Median =	
	0.0055			
	0.028		*90P min* =	
	0.0055		*90P max* =	
			n =	
			n <LOQ =	
Rhein	*0.08*		LOQ =	
	0.09		Min =	
			Mean =	
(Station:BW041)	*0.0055*		Max =	

	0.0055		Median =	
	13			
	12			
	0.011		*90P min* =	
	0.0055		*90P max* =	
	0.0055			
	0.053		*90P min* =	
	0.0055		*90P max* =	
			n =	
(Station: NW02)	*0.0025*		n <LOQ =	
	0.0025		LOQ =	
	12		Min =	
	11		Mean =	
	0.05		Max =	
	0.025		Median =	
	0.025			
	0.06		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: RP01R)	*0.089*		n <LOQ =	
	0.11		LOQ =	
	12		Min =	
	8		Mean =	
	0.025		Max =	
	0.0125		Median =	
	0.03325			

	0.11		*90P min* =	
	0.0125		*90P max* =	
			n =	
			n <LOQ =	
Saale	*0.13*		LOQ =	
	0.47		Min =	
			Mean =	
(Station: ST07)	*0.14*		Max =	
	0.51		Median =	
	10			
	2			
	0.025		*90P min* =	
	0.0125		*90P max* =	
	0.1243			
	0.56		*90P min* =	
	-999		*90P max* =	
			n =	
(Station: TH06)	*0.04*		n <LOQ =	
	0.04		LOQ =	
	8		Min =	
	8		Mean =	
	0.08		Max =	
	0.04		Median =	
	0.04			
	0.04		*90P min* =	
	-999		*90P max* =	

			n =	
(Station: TH11)	*0.04*		n <LOQ =	
	0.04		LOQ =	
	8		Min =	
	8		Mean =	
	0.08		Max =	
	0.04		Median =	
	0.04			
	0.04		*90P min* =	
	-999		*90P max* =	
			n =	
			n <LOQ =	
Schwarze Elster	*0.14*		LOQ =	
	0.37		Min =	
			Mean =	
(Station: SN02)	*0.092*		Max =	
	0.14		Median =	
	12			
	4			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.06633			
	0.15		*90P min* =	
	0.065		*90P max* =	
			n =	
(Station: ST03)	*0.15*		n <LOQ =	

	0.39		LOQ =	
	11		Min =	
	1		Mean =	
	0.025		Max =	
	0.0125		Median =	
	0.11668			
	0.5		*90P min* =	
	0.0695		*90P max* =	
			n =	
			n <LOQ =	
Steinfurther Aa	*0.025*		LOQ =	
	0.025		Min =	
			Mean =	
(Station: NW405)	*0.025*		Max =	
	0.025		Median =	
	12			
	11			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.058		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Stever	*0.0475*		LOQ =	
	0.0475		Min =	

			Mean =	
(Station: NW342)	*0.0475*		Max =	
	0.0475		Median =	
	12			
	10			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.092		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Unstrut	*0.107*		LOQ =	
	0.107		Min =	
			Mean =	
(Station: TH031)	*0.107*		Max =	
	0.107		Median =	
	6			
	5			
	0.08		*90P min* =	
	0.04		*90P max* =	
	0.04			
	0.173		*90P min* =	
	-999		*90P max* =	
			n =	
(Station: TH09)	*0.095*		n <LOQ =	

	0.095		LOQ =	
	9		Min =	
	7		Mean =	
	0.08		Max =	
	0.04		Median =	
	0.04			
	0.156		*90P min* =	
	-999		*90P max* =	
			n =	
			n <LOQ =	
Vechte	*0.0475*		LOQ =	
	0.0475		Min =	
			Mean =	
(Station: NW404)	*0.0475*		Max =	
	0.0475		Median =	
	12			
	10			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.14		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Vereinig. Mulde	*0.05*		LOQ =	
	0.05		Min =	

			Mean =	
(Station: SN08)	*0.05*		Max =	
	0.05		Median =	
	11			
	8			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.2		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Volme	*0.05*		LOQ =	
	0.05		Min =	
			Mean =	
(Station: NW338)	*0.05*		Max =	
	0.05		Median =	
	13			
	10			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.059		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	

Weiße Elster	*0.108*		LOQ =	
	0.135		Min =	
			Mean =	
(Station: SN09)	*0.105*		Max =	
	0.138		Median =	
	12			
	8			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.0545			
	0.14		*90P min* =	
	0.025		*90P max* =	
			n =	
(Station: TH07)	*0.108*		n <LOQ =	
	0.108		LOQ =	
	8		Min =	
	6		Mean =	
	0.08		Max =	
	0.04		Median =	
	0.04			
	0.174		*90P min* =	
	-999		*90P max* =	
			n =	
			n <LOQ =	
Werra	*0.115*		LOQ =	
	0.115		Min =	

			Mean =	
(Station: TH02)	*0.094*		Max =	
	0.094		Median =	
	7			
	6			
	0.08		*90P min* =	
	0.04		*90P max* =	
	0.04			
	0.176		*90P min* =	
	-999		*90P max* =	
			n =	
(Station: TH10)	*0.118*		n <LOQ =	
	0.118		LOQ =	
	7		Min =	
	6		Mean =	
	0.08		Max =	
	0.04		Median =	
	0.04			
	0.234		*90P min* =	
	-999		*90P max* =	
			n =	
			n <LOQ =	
Werse	*0.0475*		LOQ =	
	0.0475		Min =	
			Mean =	
(Station: NW381)	*0.0475*		Max =	

	0.0475		Median =	
	12			
	10			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.1		*90P min* =	
	0.025		*90P max* =	
			n =	
			n <LOQ =	
Weser	*0.025*		LOQ =	
	0.025		Min =	
			Mean =	
(Station: NW162)	*0.025*		Max =	
	0.025		Median =	
	6			
	6			
	0.05		*90P min* =	
	0.025		*90P max* =	
	0.025			
	0.025		*90P min* =	
	-999		*90P max* =	
			n =	
			n <LOQ =	
Zwickauer Mulde	*0.085*		LOQ =	
	0.085		Min =	

(Station: SN07)	Mean = *0.085* Max = *0.085* Median = 12 6 0.05 *90P min* = 0.025 *90P max* = 0.55 0.12 *90P min* = 0.025 *90P max* = n = n <LOQ = LOQ = Min = Mean = Max = Median =			
Greece Evrotas (Sparta)	0.025*	2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Lake Dorian (Station: GR_LK_101160)	0.01* 0.01* 0.05*	2008		

	0.05*			
	*0.05**		*Estimated 90P*	
	0.001*			
Lake Kastraki	0.001*			
(Station: GR_LK_041490)	0.05*			
	0.05*			
	*0.05**		*Estimated 90P*	
	0.063			
	0.05*			
Lake Kastoria´S	0.05*			
(Station: GR_LK_091510)				
	0.06		*Estimated 90P*	
	*0.05**		*Total estimated 90P*	
Lake Limni Koronia	0.05*			
	0.05*			
(Station: GR_LK_101110)	*0.05**			

			Estimated 90P	
	0.05*			
	0.05*			
(Station: GR_LK_101120)	*0.05**			
			Estimated 90P	
	*0.05**			
			Total estiated 90P	
	0.01*			
	0.01*			
Lake Limni Petron	0.05*			
(Station: GR_LK_092520)	0.05*			
	*0.05**			
			Estimated 90P	
	0.01*			
	0.01*			
	0.05*			
	0.05*			
(Station: GR_LK_096020)	*0.05**			
			Estimated 90P	
	0.01*			
	0.01*			

	0.05* 0.7			
Lake Mikri Prespa (Station: GR_LK_096080)	*0.51*		*Estimated 90P*	
	0.01* 0.01* 0.01* 0.05* 0.05*			
Lake Limni Volvi (Station: GR_LK_101160)	*0.05**		*Estimated 90P*	
	*0.05** 0.01* 0.01* 0.05* 0.05*		*Total estimated 90P*	
Lake Vegoritida (Station: GR_LK_092310)	*0.05** 0.01* 0.01*		*Estimated 90P*	

(Station: GR_LK_092330) Lake Vistonida (Station: GR_LK_126410)	0.05* 0.05* *0.05** 0.0325 0.05* *0.048*		*Estimated 90P* *Estimated 90P*	
Aisonas River Sampling station A	*1.33* 1.236 ± 0.405 (mean ± SD) n = 6 0.558-1.709 (min- max)	2008, May-June	*Estimated 90P (based on mean values)* Six sampling campaigns	Stasinakis et al. (2012)

Sampling station B Sampling station C Sampling station D	0.984 ± 0.431 (mean ± SD) n = 6 0.594-1.500 (min- max) 1.309 ± 0.419 (mean ± SD) n = 6 0.742-1.830 (min- max) 1.345 ± 0.825 (mean ± SD) n = 6 0.641-2.704 (min- max)			
– Hosszureti Patak (Kamaraerdo)	0.025* 0.025*	2007, autumn	Analysis: SPE-LC-MS Flow 0.21 m^3/s Observation: yellow Flow 1.7 m^3/s	Joint Research Center (2008)

Pecsi viz (Kemes)	0.025*		Flow 83 m^3/s Observation: yellow	
Raba (Gyor)	0.025*		Flow 17.5 m^3/s	
Sajo (Kesznyeten)	0.025*		Flow 13 m^3/s	
Sio (Szekszard)	0.025*		Flow 830 m^3/s	
Tisza (Tiszasziget)				
Ireland		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Liffey (Lucan Bridge)	0.075		Flow 7.9 m^3/s Observation: yellow, dirty	
	0.01* n = 2016 Number of positive findings: none LOQ: 0.02 Highest result reported: < 0.02	2007-09		Irish Environmental Protection Agency 2014 (Public consultation)

Italy Tevere (Rome)	0.200	2007, autumn	Analysis: SPE-LC-MS Flow 233 m^3/s	Joint Research Center (2008)
Lake Maggiore Tributary affected rivers Creek Ballarante (Arolo) River Bardello (Bozza) Creek Aqua Nera (Ispra) Creek Vévera (Arona) Creek Tiasca (Meina) Creek Erno (Lesa) Creek S. Spessa (Baveno) River Strona (Gravellona Toce) River Toce (Gravellona Toce) Tributary mountain rivers	0.05* (n=8) 0.05*-0.14 (n=9) 0.05* (n=3)	2006, February – April	Analysis: SPE-LC-MS-MS	Loos *et al.* (2007)

Creek San Bernadino (Verbania) Creek S. Spessa (Baveno) River Toce (Villa-dossola)				
Lithuania Nemunas (Kaunas) Nemunas (Kaunas, downstream) Neris (Kaunas, downstream) Neris (Kaunas, upstream)	0.025* 0.025* 0.025* 0.025*	2007, autumn	Analysis: SPE-LC-MS Flow 192-220 m^3/s Flow 316-468 m^3/s Flow 173-184 m^3/s Flow 173-184 m^3/s	Joint Research Center (2008)
Akmena-Dane (Station: R77)	0 0 0 0 0 0 0	2011-01-11 2011-02-08 2011-03-15 2011-04-12 2011-05-17 2011-06-14 2011-07-19		

	0	2011-08-17		
	0	2011-09-13		
	0	2011-10-11		
	0	2011-11-15		
	0	2011-12-13		
	0		*Estimated 90P*	
Kulpe	0	2011-01-31		
(Station: R498)	0	2011-02-22		
	0	2011-03-14		
	0	2011-06-15		
	0	2011-07-26		
	0	2011-09-14		
	0	2011-10-25		
	0	2011-11-29		
	0	2011-12-20		
	0		*Estimated 90P*	
Nemunas	*0*		*Total estimated 90P*	
(Station: R1)	0	2011-01-03		
	0	2011-02-07		

	0	2011-03-07		
	0	2011-04-04		
	0	2011-05-02		
	0	2011-06-06		
	0	2011-07-11		
	0	2011-08-01		
	0	2011-09-05		
	0	2011-10-03		
	0	2011-11-07		
	0	2011-12-05		
	0		*Estimated 90P*	
(Station: R13)	0	2011-01-10		
	0	2011-02-07		
	0	2011-03-14		
	0	2011-04-11		
	0	2011-05-16		
	0	2011-06-13		
	0	2011-07-18		
	0	2011-08-08		
	0	2011-09-12		
	0	2011-10-10		
	0	2011-11-14		
	0	2011-12-12		

	0		*Estimated 90P*	
(Station: R136)	0	2011-01-05		
	0	2011-02-09		
	0	2011-03-09		
	0	2011-04-06		
	0	2011-05-04		
	0	2011-06-08		
	0	2011-07-13		
	0	2011-08-03		
	0	2011-09-07		
	0	2011-10-05		
	0	2011-11-09		
	0	2011-12-07		
	0		*Estimated 90P*	
(Station: R612)	0	2011-01-10		
	0	2011-02-07		
	0	2011-03-14		
	0	2011-04-11		
	0	2011-05-16		
	0	2011-06-13		

	0	2011-07-18		
	0	2011-08-08		
	0	2011-09-12		
	0	2011-10-10		
	0	2011-11-14		
	0	2011-12-12		
	0		*Estimated 90P*	
Neris	*0*		*Total estimated 90P*	
(Station: R1488)	0	2011-01-03		
	0	2011-02-07		
	0	2011-03-07		
	0	2011-04-04		
	0	2011-05-02		
	0	2011-06-06		
	0	2011-07-11		
	0	2011-08-01		
	0	2011-09-05		
	0	2011-10-03		
	0	2011-11-07		
	0	2011-12-05		
	0			

			Estimated 90P	
(Station: R43)	0	2011-01-03		
	0	2011-02-07		
	0	2011-03-07		
	0	2011-04-04		
	0	2011-05-02		
	0	2011-06-06		
	0	2011-07-11		
	0	2011-08-01		
	0	2011-09-05		
	0	2011-10-03		
	0	2011-11-07		
	0	2011-12-05		
	0			
			Estimated 90P	
(Station: R50)	0	2011-01-04		
	0	2011-02-08		
	0	2011-03-08		
	0	2011-04-05		
	0	2011-05-03		
	0	2011-06-07		
	0	2011-07-12		
	0	2011-08-02		

	0	2011-09-06		
	0	2011-10-04		
	0	2011-11-08		
	0	2011-12-06		
	0		*Estimated 90P*	
Nevezis	0	2011-01-26		
(Station: R1469)	0	2011-02-21		
	0	2011-03-29		
	0	2011-04-26		
	0	2011-05-26		
	0	2011-06-27		
	0	2011-07-27		
	0	2011-08-23		
	0	2011-09-27		
	0	2011-10-25		
	0	2011-11-23		
	0	2011-12-29		
	0		*Estimated 90P*	
Sesupe	0	2011-01-12		
(Station: R1494)	0	2011-02-09		

	0	2011-03-16		
	0	2011-04-13		
	0	2011-05-18		
	0	2011-06-15		
	0	2011-07-20		
	0	2011-08-16		
	0	2011-09-14		
	0	2011-10-12		
	0	2011-11-16		
	0	2011-12-14		
	0		*Estimated 90P*	
Skirvyte	0	2011-01-24		
(Station: R127)	0	2011-02-23		
	0	2011-03-29		
	0	2011-04-27		
	0	2011-05-26		
	0	2011-06-22		
	0	2011-07-27		
	0	2011-08-31		
	0	2011-09-27		
	0	2011-10-19		
	0	2011-11-23		
	0	2011-12-19		

	0			
			Estimated 90P	
Varduva	0.11	2011-12-21		
(Station: R430)				
	0.11			
			Estimated 90P	
Venta	0	2011-01-19		
(Station: R82)	0	2011-02-23		
	0	2011-03-16		
	0	2011-04-26		
	0	2011-05-24		
	0	2011-06-15		
	0	2011-07-27		
	0	2011-08-24		
	0	2011-09-14		
	0	2011-10-25		
	0	2011-11-29		
	0	2011-12-21		
	0			
			Estimated 90P	
Luxembourg		2007,	Analysis: SPE-LC-	Joint

Alzette (Ettelbruck)	0.025*	autumn	MS	Research Center (2008)
Moselle (Grevenmacher)	0.025*			
Sûre (Amont Erpendange)	0.025*			
Alzette	0.05*	2009-04-02		EIONET 2013 (http://cdr.eionet.europa.eu/)
(Ettelbruck)	0.05*	2009-05-06		
	0.05*	2009-06-18		
	0.05*	2009-07-30		
	0.05*	2009-09-17		
	0.05*	2009-11-05		
	0.05		*Estimated 90P*	
Wiltz	0.05*	2009-04-02		
(Kautenbach)	0.05*	2009-05-06		
	0.05*	2009-06-18		
	0.05*	2009-07-30		
	0.05*	2009-09-17		
	0.05*	2009-11-5		
	0.05		*Estimated 90P*	

Sûre	0.05*	2009-04-02		
(Wasserbillig)	0.05*	2009-05-06		
	0.05*	2009-06-18		
	0.05*	2009-07-30		
	0.05*	2009-09-17		
	0.05*	2009-11-05		
	0.05		*Estimated 90P*	
Malta		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Bahrija Valley	0.025*			
Wied il-Luq	0.025*			
Wied tal-Lunzjata	0.025*		Observation. Insects	
Bahrija Valley	0.01*	2011-12-15		EIONET 2013 (http://cdr.eionet.europa.eu/)
Ghadira	0.01*	2011-12-15		
Ghadira Tas-Sarraflu	0.01*	2011-12-15		
Qattara	0.01*	2011-12-15		

Wied il-Luq	0.01*	2011-12-15		
Wied tal-Lunzjata	0.01*	2011-12-15		
The Netherlands		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Meuse (Eijsden at border NL-Belgium)	0.025*		Flow 211 m^3/s	
Rhine (Lobith)	0.025*		Flow 2200 m^3/s	
Rhine/Meuse estuary (Maassluis)	0.050			
Scheldt (Schaar, estuary at border NL)	0.025*		Flow 110 m^3/s	
Amsterdam-Rijnkanaal Nordpand	*0.55*		*Total estimated 90P*	
(Station: NL86_NIEUWGN)	0.05*	2010-01-13		
	0.05*	2010-02-10		
	0.05*	2010-03-10		
	0.05*	2010-04-07		
	0.05*	2010-04-12		

	0.05*	2010-05-06		
	0.05*	2010-06-02		
	0.05*	2010-06-30		
	0.05*	2010-07-28		
	0.05*	2010-08-25		
	0.05*	2010-09-22		
	0.05*	2010-10-20		
	0.05*	2010-11-17		
	0.05*	2010-12-15		
(Station: NL86_NIEUWSS)	*0.05*		*Estimated 90P*	
	0.05*	2010-01-12		
	0.14	2010-02-09		
	0.13	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-04-12		
	0.05*	2010-05-04		
	0.16	2010-06-01		
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.91	2010-08-24		
	0.05*	2010-09-21		
	0.72	2010-10-19		
	0.05*	2010-11-16		

	0.05*	2010-12-14		
	0.61		*Estimated 90P*	
Beneden Maas				
(Station: NL94_BRAKL)	0.05*	2010-01-11		
	0.05*	2010-02-08		
	0.05*	2010-03-08		
	0.05*	2010-04-06		
	0.05*	2010-05-03		
	0.05*	2010-05-31		
	0.05*	2010-06-28		
	0.05*	2010-07-26		
	0.05*	2010-08-23		
	0.05*	2010-09-20		
	0.05*	2010-10-18		
	0.05*	2010-11-15		
	0.05*	2010-12-13		
	0.05		*Estimated 90P*	
Bergsche Maas				
(Station: NL94_KEIZVR)	0.05*	2010-01-12		
	0.05*	2010-02-09		
	0.05*	2010-03-09		
	0.05*	2010-04-06		

	0.05*	2010-05-04		
	0.05*	2010-06-01		
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-26		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	0.05		*Estimated 90P*	
Boven Rijn, Waal	0.05*	2010-01-13		
(Station: NL93_LOBPTN)	0.05*	2010-02-10		
	0.05*	2010-03-10		
	0.05*	2010-04-07		
	0.05*	2010-05-06		
	0.05*	2010-06-02		
	0.05*	2010-06-30		
	0.05*	2010-07-28		
	0.05*	2010-08-25		
	0.05*	2010-09-22		
	0.05*	2010-10-20		
	0.05*	2010-11-17		
	0.05*	2010-12-15		

	0.05		*Estimated 90P*	
Bovenmaas (Station: NL91_EIJSDPTN)	0.05*	2010-01-12		
	0.05*	2010-01-26		
	0.05*	2010-02-09		
	0.05*	2010-02-23		
	0.05*	2010-03-09		
	0.05*	2010-03-23		
	0.05*	2010-04-06		
	0.05*	2010-04-20		
	0.05*	2010-05-06		
	0.05*	2010-06-01		
	0.05*	2010-06-02		
	0.05*	2010-06-15		
	0.05*	2010-06-30		
	0.05*	2010-07-13		
	0.05*	2010-07-27		
	0.05*	2010-08-10		
	0.05*	2010-08-24		
	0.05*	2010-09-07		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-02		
	0.05*	2010-11-16		

	0.05*	2010-11-30		
	0.05*	2010-12-14		
	0.05*	2010-12-28		
	0.05		*Estimated 90P*	
	0.05*	2010-02-09		
Grensmaas	0.05*	2010-04-06		
(Station: NL91_STEVWT)	0.05*	2010-06-01		
	0.05*	2010-07-27		
	0.05*	2010-09-21		
	0.05*	2010-11-16		
	0.05		*Estimated 90P*	
	0.05*	2010-01-12		
Grevelingenmeer	0.05*	2010-02-10		
	0.05*	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-05-03		
	0.05*	2010-05-31		
	0.05*	2010-06-28		
	0.05*	2010-07-26		
	0.05*	2010-08-24		

	0.05*	2010-09-21		
	0.05*	2010-10-18		
	0.05*	2010-11-15		
	0.05*	2010-12-13		
	0.05		*Estimated 90P*	
	0.05*	2010-01-25		
Haringvliet oost, Hollandsch Diep (Station: NL94_BOVSS)	0.05*	2010-03-22		
	0.05*	2010-05-17		
	0.05*	2010-07-12		
	0.05*	2010-09-06		
	0.05*	2010-11-27		
	0.05*	2010-12-27		
	0.05		*Estimated 90P*	
	0.05*	2010-02-09		
Hollandsche Ijssel _	0.05*	2010-04-06		
	0.05*	2010-06-01		
	0.05*	2010-07-27		
	0.05*	2010-09-21		
	0.05*	2010-11-16		

	0.05		*Estimated 90P*	
	0.05*	2010-01-19		
	0.05*	2010-02-16		
	0.05*	2010-03-16		
	0.05*	2010-04-13		
	0.11	2010-05-11		
	0.05*	2010-06-08		
	0.05*	2010-07-06		
	0.05*	2010-08-31		
	0.05*	2010-09-28		
	0.05*	2010-10-26		
	0.05*	2010-11-23		
	0.05		*Estimated 90P*	
Ijssel (Station: NL93_KAMPN)	*0.05*		*Total estimated 90P*	
	0.05*	2010-01-11		
	0.05*	2010-02-08		
	0.05*	2010-03-08		
	0.05*	2010-04-06		
	0.05*	2010-05-03		

	0.05*	2010-05-03		
	0.05*	2010-06-28		
	0.05*	2010-07-26		
	0.05*	2010-08-23		
	0.05*	2010-09-20		
	0.05*	2010-10-18		
	0.05*	2010-11-15		
	0.05*	2010-12-13		
Ijsselmeer				
(Station: NL92_ANDK)	*0.05*			
			Estimated 90P	
	0.05*	2010-03-08		
	0.05*	2010-03-30		
	0.05*	2010-04-27		
	0.05*	2010-05-25		
	0.05*	2010-06-22		
	0.05*	2010-07-20		
	0.05*	2010-08-17		
	0.05*	2010-09-14		
	0.05*	2010-10-12		
	0.05*	2010-11-09		
	0.05			
			Estimated 90P	

	0.13	2010-01-25		
(Station: NL92_VROUWZD)	0.11	2010-02-22		
	0.13	2010-03-22		
	0.05*	2010-04-19		
	0.05*	2010-05-17		
	0.05*	2010-06-14		
	0.05*	2010-07-12		
	0.05*	2010-08-09		
	0.05*	2010-09-06		
	0.05*	2010-10-04		
	0.05*	2010-11-01		
	0.43	2010-11-29		
	0.14	2010-12-27		
Kanaal Terneuzen Gent	*0.14*			
(Station: NL89_SASVGT)			*Estimated 90P*	
	0.05*	2010-01-26		
	0.05*	2010-03-05		
	0.05*	2010-03-24		
	0.05*	2010-04-21		
	0.05*	2010-05-19		
	0.05*	2010-06-16		
	0.05*	2010-07-14		
	0.05*	2010-08-12		
	0.05*	2010-09-08		

	0.05*	2010-10-06		
	0.05*	2010-11-03		
	0.05*	2010-12-01		
	0.05		*Estimated 90P*	
Ketelmeer + Vossemeer (Station: NL92_KETMWT)	0.05*	2010-03-10		
	0.05*	2010-03-31		
	0.05*	2010-04-28		
	0.05*	2010-05-27		
	0.05*	2010-06-23		
	0.05*	2010-07-21		
	0.05*	2010-08-19		
	0.05*	2010-09-15		
	0.05*	2010-10-13		
	0.05*	2010-11-10		
	0.05		*Estimated 90P*	
Markermeer (Station: NL92_MARKMMI)	0.05*	2010-01-12		
	0.05*	2010-02-09		
	0.05*	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-05-03		

	0.05*	2010-06-01		
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	0.05			
Midden Limburgse en Noord Brabantse kanalen (Station: NL90_NEDWT	0.05*	2010-01-21	*Estimated 90P*	
	0.05*	2010-02-17		
	0.05*	2010-03-17		
	0.05*	2010-04-14		
	0.05*	2010-05-11		
	0.05*	2010-06-09		
	0.05*	2010-07-07		
	0.05*	2010-08-04		
	0.05*	2010-09-01		
	0.05*	2010-10-27		
	0.05*	2010-11-24		
	0.05			

			Estimated 90P	
	0.05*	2010-01-18		
	0.05*	2010-02-15		
Nederrijn/Lek	0.05*	2010-03-15		
(Station: NL93_HAGSN)	0.05*	2010-04-12		
	0.05*	2010-05-10		
	0.05*	2010-06-07		
	0.05*	2010-06-29		
	0.05*	2010-07-05		
	0.05*	2010-08-02		
	0.05*	2010-08-30		
	0.05*	2010-09-27		
	0.05*	2010-10-25		
	0.05*	2010-11-22		
	0.05*	2010-12-20		
	0.05			
			Estimated 90P	
Noordzeekanaal	0.05*	2010-01-25		
(Station: NL87_IJMDN1)	0.05*	2010-02-22		
	0.05*	2010-03-22		
	0.05*	2010-04-19		
	0.05*	2010-05-17		
	0.05*	2010-06-14		
	0.05*	2010-07-12		

	0.05*	2010-08-09		
	0.05*	2010-09-06		
	0.05*	2010-10-04		
	0.05*	2010-11-01		
	0.05*	2010-11-29		
	0.05*	2010-12-27		
	0.05		*Estimated 90P*	
Oude Maas (bovenstrooms Hartelkanaal), Spui, Noord, Dordtsche Kil, Lek tot Hagestein (Station: NL94_PUTTHK)	0.05*	2010-03-04		
	0.05*	2010-04-20		
	0.05*	2010-06-15		
	0.05*	2010-08-11		
	0.05*	2010-10-05		
	0.05*	2010-11-30		
	0.05		*Estimated 90P*	
	0.13	2010-03-03		
	0.05*	2010-03-22		
	0.05*	2010-04-19		
	0.05*	2010-05-17		
	0.05*	2010-06-14		
	0.05*	2010-07-12		

	0.05*	2010-08-09		
	0.05*	2010-09-06		
	0.05*	2010-10-04		
Randmeren-Oost	0.05*	2010-11-01		
(Station: NL92_VELWMMC)	0.05*	2010-11-29		
	0.05		*Estimated 90P*	
	0.7	2010-01-18		
	0.62	2010-02-15		
	1.5	2010-03-15		
	0.53	2010-04-12		
Randmeren-Zuid	0.15	2010-05-09		
(Station: NL92_EEMMDK2)	0.14	2010-06-07		
	0.05*	2010-07-05		
	0.05*	2010-08-02		
	0.13	2010-08-30		
	0.05*	2010-09-27		
	0.05*	2010-10-25		
	0.05*	2010-11-01		
	0.69		*Estimated 90P*	
	0.05*	2010-01-11		

Twentekanalen (Station: NL93_WIENE)	0.05*	2010-02-08		
	0.05*	2010-03-10		
	0.05*	2010-04-08		
	0.05*	2010-05-03		
	0.05*	2010-06-02		
	0.05*	2010-06-30		
	0.05*	2010-07-27		
	0.05*	2010-08-25		
	0.05*	2010-09-20		
	0.05*	2010-10-20		
	0.05*	2010-11-16		
	0.05*	2010-12-15		
	0.05		*Estimated 90P*	
Veersemeer (Station: NL89_SOELKKPC)	0.05*	2010-01-25		
	0.05*	2010-02-22		
	0.05*	2010-03-24		
	0.05*	2010-04-19		
	0.05*	2010-05-17		
	0.05*	2010-06-14		
	0.05*	2010-07-14		
	0.05*	2010-08-11		
	0.05*	2010-09-09		
	0.05*	2010-10-06		

	0.05*	2010-11-04		
	0.05*	2010-11-29		
	0.05*	2010-12-27		
	0.05		*Estimated 90P*	
	0.05*	2010-01-19		
	0.05*	2010-03-16		
	0.05*	2010-05-11		
Volkerak	0.05*	2010-07-06		
(Station: NL89_STEENBGN)	0.05*	2010-08-31		
	0.05*	2010-10-26		
	0.05		*Estimated 90P*	
	0.05			
	0.05*	2010-01-12	*Total estimated 90P*	
	0.05*	2010-02-09		
	0.05*	2010-03-09		
	0.05*	2010-04-06		
	0.05*	2010-05-03		
	0.05*	2010-06-01		
	0.05*	2010-06-29		

	0.05*	2010-07-27		
Vecht-Zwarte Water	0.05*	2010-08-24		
(Station: NL93_GENMDN)	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	0.05			
	0.05*	2010-01-12	*Estimated 90P*	
Zandmaas	0.05*	2010-02-09		
	0.05*	2010-03-09		
(Station: NL91_BELFBVN)	0.05*	2010-04-06		
	0.05*	2010-05-06		
	0.05*	2010-06-01		
	0.05*	2010-06-29		
	0.05*	2010-07-27		
	0.05*	2010-08-24		
	0.05*	2010-09-21		
	0.05*	2010-10-19		
	0.05*	2010-11-16		
	0.05*	2010-12-14		
	0.05			

(Station: NL91_HEEL)	0.05*	2010-01-25	*Estimated 90P*	
	0.05*	2010-02-22		
	0.05*	2010-03-24		
	0.05*	2010-04-19		
	0.05*	2010-05-17		
	0.05*	2010-06-14		
	0.05*	2010-07-14		
	0.05*	2010-08-11		
	0.05*	2010-09-09		
	0.05*	2010-10-06		
	0.05*	2010-11-04		
	0.05*	2010-11-29		
	0.05*	2010-12-27		
Zoommeer/Eendracht (Station: NL89_OESTDM)	*0.05*		*Estimated 90P*	

Norway		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Alna (Oslo)	0.025*			
Glomma (Sarpsfoss)	0.025*			
			Analysis: GC-MS	Nordic Council of Ministers (2008)
Hamar, Mjøsa	0.0226	2006-09-11	WWTP recipient water NP-mix[§]	
Vansjø, Vanemfjorden	0.0465	2006-10-19	WWTP recipient water NP-mix[§]	
		2011		Klif (2012)
Lake Mjøsa	*0.039*		*Estimated 90P*	
Station 1	0.017			
Station 2	0.042			
Station 3	0.020			
Station 4	0.034			
Station 5	0.026			

Lake Speldsjøen	0.014		*Estimated 90P*	
Station 1	0.003			
Station 2	0.009			
Station 3	0.017			
Station 4	0.006			
Station 5	0.004			
Poland		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Vistula	0.025*			
Vistula	0.025*			
Vistula	0.025*			
Romania		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Somez Mare (before Dej)	0.060		Flow 20 m^3/s	
Somez Mic (after Cluj)	0.440		Flow 15 m^3/s	
Somez Mic (before Cluj)	0.025*		Flow 35 m^3/s	
Somez Mic				

(after Gherla)	0.050		Flow 20 m^3/s	
Slovakia			Analysis: SPE-HPLC- MS	
Lake Orava	0.05*	2011-01-24		
(Station:	0.05*	2011-02-16		
	0.05*	2011-03-16		
	0.05*	2011-04-13		
	0.05*	2011-05-12		
	0.05*	2011-06-29		
	0.05*	2011-07-14		
	0.05*	2011-08-10		
	0.05*	2011-09-20		
	0.05*	2011-10-12		
	0.05*	2011-11-29		
	*0.05**		*Estimated 90P*	
River Dunaj	*0.05**		*Total estimated 90P*	
(Station: D002050D)	0.05*	2011-01-10		
	0.05*	2011-02-07		
	*0.05**			

			Estimated 90P	
(Station: D002052D)	0.05*	2011-01-10		
	0.05*	2011-02-07		
	*0.05**			
			Estimated 90P	
River Dunajec	0.05*	2011-01-19		
(Station: C018000D)	0.05*	2011-02-02		
	0.05*	2011-03-02		
	0.05*	2011-04-06		
	0.05*	2011-05-04		
	0.05*	2011-06-01		
	0.05*	2011-07-13		
	0.05*	2011-08-03		
	0.05*	2011-09-21		
	0.05*	2011-10-05		
	0.05*	2011-11-02		
	*0.05**			
			Estimated 90P	
River Morava	0.05*	2011-01-31		
(Station: M083000D)	0.05*	2011-02-23		
	0.05*	2011-03-14		

	0.05*	2011-04-12		
	0.05*	2011-05-06		
	0.14	2011-06-09		
	0.05*	2011-07-19		
	0.05*	2011-08-18		
	0.05*	2011-09-09		
	0.05*	2011-10-18		
	0.05*	2011-11-03		
	0.05*	2011-12-01		
	*0.05**		*Estimated 90P*	
River Tisa (Station: T617000D)	0.05*	2011-01-18		
	*0.05**		*Estimated 90P*	
River Uh (Station: B154000D)	0.05*	2011-01-18		
	*0.05**		*Estimated 90P*	
Slovenia		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Drava (Maribor 1)	0.025*		Observation: yellow	

Drava (Maribor 2)	0.025*		Observation: particles	
Krka (After Mun Novo Mesto)	0.025*		Flow 51 m^3/s	
Krka (Before Mun Novo Mesto)	0.025*		Flow 51 m^3/s	
Krka (Otocec Ob KrKi)	0.025*		Flow 51 m^3/s	
Ljubljanica (Ljubljana)	0.025*			
Ljubljanica (Ljubljana)	0.025*			
Sava (Kresnice)	0.250			
Drava	*0.005*		*Total estimated 90P*	
(Station: 2005)	0.005*	2011-01-24		
	0.005*	2011-02-22		
	0.005*	2011-03-14		
	0.005*	2011-04-18		

	0.005*	2011-05-18		
	0.005*	2011-06-15		
	0.005*	2011-07-19		
	0.005*	2011-08-18		
	0.005*	2011-09-12		
	0.005*	2011-10-11		
	0.005*	2011-11-14		
	0.005*	2011-12-07		
	*0.005**		*Estimated 90P*	
(Station: 2199)	0.005*	2011-01-25		
	0.005*	2011-02-22		
	0.005*	2011-03-15		
	0.005*	2011-04-19		
	0.005*	2011-05-19		
	0.005*	2011-06-16		
	0.005*	2011-07-18		
	0.005*	2011-08-17		
	0.005*	2011-09-13		
	0.005*	2011-10-12		
	0.005*	2011-11-15		
	0.005*	2011-12-08		
	*0.005**			

			Estimated 90P	
Mura	*0.005*			
			Total estimated 90P	
(Station: 1010)	0.005*	2011-01-05		
	0.005*	2011-02-01		
	0.005*	2011-03-02		
	0.005*	2011-03-31		
	0.005*	2011-05-09		
	0.005*	2011-06-07		
	0.005*	2011-07-05		
	0.005*	2011-08-02		
	0.005*	2011-08-29		
	0.005*	2011-09-29		
	0.005*	2011-11-03		
	0.005*	2011-11-30		
	*0.005**			
			Estimated 90P	
(Station: 1082)	0.005*	2011-01-05		
	0.005*	2011-02-01		
	0.005*	2011-03-02		
	0.005*	2011-03-31		
	0.005*	2011-05-09		
	0.005*	2011-06-07		

	0.005*	2011-07-05		
	0.005*	2011-08-02		
	0.005*	2011-08-29		
	0.005*	2011-09-29		
	0.005*	2011-11-03		
	0.005*	2011-11-30		
	*0.005**		*Estimated 90P*	
Sava	0.026*	2011-01-18		
(Station: 3860)	0.026*	2011-02-15		
	0.026*	2011-03-08		
	0.026*	2011-04-12		
	0.026*	2011-05-10		
	0.026*	2011-06-15		
	0.026*	2011-07-12		
	0.026*	2011-08-09		
	0.026*	2011-09-08		
	0.026*	2011-10-06		
	0.026*	2011-11-08		
	0.026*	2011-12-08		
	0.026*		*Estimated 90P*	

Soča (Station: 8010)	0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* 0.005* *0.005**	2011-01-18 2011-02-09 2011-03-08 2011-04-11 2011-05-05 2011-06-01 2011-07-12 2011-08-16 2011-09-08 2011-10-05 2011-11-10 2011-12-13	 *Estimated 90P*	
Spain		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Besos (Barcelona)	0.548		Flow 5 m^3/s	
Ebro (Mora la Nova)	0.025*		Flow 166.8 m^3/s	
Llobregat (Barcelona)	0.305		Flow 17 m^3/s	

Sar (Bertamirans)	0.158		Flow 2.5 m^3/s	
Besòs River Ebro River Fluvià River Llobregat River Muga river Ter River	0.061 (arithmetic mean) n = 6 0.016-0.114 (min-max)	2009, March-July	Flow: 846,720 m^3/day Flow: 846,720 m^3/day Flow: 846,720 m^3/day Flow: 846,720 m^3/day Flow: 846,720 m^3/day Flow: 846,720 m^3/day	Sánchez-Avila *et al*. (2012)
Barranco de Barcheta (Station: ESJU106) –	*0.0083* *0.0083* 7 0.25	2010	*90P min* = *90P max* = n = LOQ =	

	0.0083		Min =	
	0.0083		Mean =	
	0.0083		Max =	
	0.0083		Median =	
(Station: ESJU343)				
	0.0083		*90P min* =	
	0.0083		*90P max* =	
	13		n =	
	0.25		–	
	0.0083			
	0.0083			
	0.0083		Min =	
	0.0083		Mean =	
Canal María Cristina (Sation: SEJU188)			Max =	
			Median =	
	0.0083			
	0.0083			
	10		*90P min* =	
	0.25		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
	0.0083		Mean =	
Delta del Mijares (Station: ESJU431)			Max =	

	0.0083		Median =	
	0.0083			
	2			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
Estanda-A			Mean =	
(Station: ESNO00880006)			Max =	
	1.06		Median =	
	1.06			
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.5983		n =	
	1.18		LOQ =	
	0.5983		Min =	
			Mean =	
Ibaizabal-G			Max =	
(Station: ESNO00610003)	*0.25*		Median =	
	0.33			
	7			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.1629		n =	

	0.33		LOQ =	
	0.2		Min =	
			Mean =	
			Max =	
Oria-D	*0.178*		Median =	
(Station: ESNO00640009)	*0.178*			
	7			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0743		n =	
	0.42		LOQ =	
	0.0167		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
Rambla del Poyo	*0.0083*			
(Station: ESJU195)	13			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.385		Median =	
Ria de Avilés	*0.6*			

(Station: ESNO00130010)	9			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.2411		n =	
	0.6		LOQ =	
	0.14		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
Rio Albaida				
	0.0083		*90P min* =	
	0.0083		*90P max* =	
(Station: ESJU404)	13			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
	0.0083		Max =	
	0.0083		Median =	
(Station: ESJU051)	10			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	

	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
	0.0083		Max =	
	0.0083		Median =	
Station: ESJU041)	9			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
Rio Alfambra				
	0.0083		*90P min* =	
	0.0083		*90P max* =	
(Station: ESJU156)	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
	0.0083		Max =	

	0.0083		Median =	
(Station: ESJU067)	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.17		Median =	
	0.17			
Rio Aller	1			
(Station: ESNO00530015)	0.25		*90P min* =	
	0.17		*90P max* =	
	0.17		n =	
	0.17		LOQ =	
	0.17		Min =	
			Mean =	
			Max =	
	0.26		Median =	
	0.26			
Rio Alvares	1			
(Station: ESNO00130012)	0.25		*90P min* =	
	0.26		*90P max* =	
	0.26		n =	
	0.26		LOQ =	

	0.26		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	1			
	0.25		*90P min* =	
Rio Arcos	0.0083		*90P max* =	
(Station: ESJU042)	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	4			
	0.25		*90P min* =	
Rio Arquillo	0.0083		*90P max* =	
(Station: ESJU107)	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	8			

	0.25		*90P min* =	
Rio Belcaire	0.0083		*90P max* =	
(Station: ESJU007)	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0167		Median =	
	0.0167			
	2			
	0.25		*90P min* =	
Rio Belelle	0.0167		*90P max* =	
(Station: ESRW.14.080)	0.0167		n =	
	0.0167		LOQ =	
	0.0167		Min =	
			Mean =	
			Max =	
	0.352		Median =	
	0.3557			
	0.103		*90P min* =	
	0.14		*90P max* =	
Rio Bidasoa	7			
	0.25		*90P min* =	
	0.0167		*90P max* =	
(Station:	0.0519		n =	

ESNO00650001)	0.14		LOQ =	
	0.0167		Min =	
			Mean =	
	0.3797		Max =	
	0.3797		Median =	
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.2183		n =	
(Station: ESRW.10.070)	0.42		LOQ =	
	0.2183		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
Rio Cenia	0.0083		Min =	
(Station: ESJU160)			Mean =	
			Max =	
	0.2		Median =	
	0.28			
	9			

	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.1004		n =	
	0.28		LOQ =	
Rio de Aboño	0.0167		Min =	
(Station: ESNO00140003)			Mean =	
			Max =	
	0.0167		Median =	
	0.0167			
	1			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0167		n =	
	0.0167		LOQ =	
	0.0167		Min =	
Rio Deva			Mean =	
(Station: ESNO00560007)			Max =	
	0.0083		Median =	
	0.0083			
	9			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	

Rio Jijona			Max =	
(Station: ESJU222)	*0.0083*		Median =	
	0.0083			
	0.0083		*90P min* =	
	0.0083		*90P max* =	
	9			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
Rio Júcar	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU176)	*0.0083*		Max =	
	0.0083		Median =	
	10			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU053)	*0.0083*		Max =	
	0.0083		Median =	
	9			
	0.25		*90P min* =	

	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU175)	*0.0083*		Max =	
	0.0083		Median =	
	5			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU0004)	*0.0083*		Max =	
	0.0083		Median =	
	4			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU187)	*0.0083*		Max =	
	0.0083		Median =	
	9			

	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU178)	*0.0083*		Max =	
	0.0083		Median =	
	5			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
(Station: ESJU428)			Max =	
	0.20867		Median =	
	0.20867			
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.1234		n =	
	0.23		LOQ =	
	0.1233		Min =	
			Mean =	
Rio Landró			Max =	

(Station: ESRW.17.120)	*0.23*		Median =	
	0.23			
	1			
	0.25		*90P min* =	
	0.23		*90P max* =	
	0.23		n =	
	0.23		LOQ =	
	0.23		Min =	
			Mean =	
			Max =	
Rio Lena				
	0.0083		Median =	
(Station: ESNO00530007)	*0.0083*			
	0.0083		*90P min* =	
	0.0083		*90P max* =	
	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
Rio Magro	0.0083		Min =	
			Mean =	
	0.0083		Max =	
(Station: ESJU034)	*0.0083*		Median =	
	4			
	0.25		*90P min* =	

	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0167		Median =	
(Station: ESJU054)	*0.0167*			
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0167		n =	
	0.0167		LOQ =	
	0.0167		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
Rio Mero (Station: ESRW.11.040)	*0.0083*			
	0.0083		*90P min* =	
	0.0083		*90P max* =	
	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	

	0.0083		Min =	
			Mean =	
Rio Mijares	*0.0083*		Max =	
	0.0083		Median =	
	1			
(Station: ESJU189)	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
	0.0083		Max =	
	0.0083		Median =	
	4			
(Station: ESJU113)	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
(Station: ESJU430)	13			
	0.25		*90P min* =	
	0.0083		*90P max* =	

	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	1.06		Median =	
	1.06			
Rio Monegre	1			
(Station: ESJU147)	0.25		*90P min* =	
	1.06		*90P max* =	
	1.06		n =	
	1.06		LOQ =	
	1.06		Min =	
			Mean =	
			Max =	
	0.13		Median =	
	0.13			
Rio Nansa	1			
(Station: ESNO00330001)	0.25		*90P min* =	
	0.13		*90P max* =	
	0.13		n =	
	0.13		LOQ =	
	0.13		Min =	
			Mean =	
			Max =	
	0.47174		Median =	

	0.5239			
Rio Navia	*0.50567*		*90P min* =	
(Station: ESNO00110005)	*0.50567*		*90P max* =	
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.2884		n =	
	0.56		LOQ =	
	0.2883		Min =	
			Mean =	
	0.24		Max =	
	0.24		Median =	
Rio Nora	1			
	0.25		*90P min* =	
	0.24		*90P max* =	
(Station: ESNO00280004)	0.24		n =	
	0.24		LOQ =	
	0.24		Min =	
			Mean =	
	0.336		Max =	
	0.5284		Median =	
	9			
	0.25		*90P min* =	
	0.0167		*90P max* =	
(Station:	0.2208		n =	

ESNO00290003)	1.16		LOQ =	
	0.13		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	10			
	0.25		*90P min* =	
	0.0083		*90P max* =	
(Station: ESNO00290005)	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0167		Median =	
	0.0167			
	1			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0167		n =	
Rio Ojos de Moya (Station: ESJU102)	0.0167		LOQ =	
	0.0167		Min =	
			Mean =	
			Max =	
	0.0167		Median =	
	0.0167			

	1			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0167		n =	
Rio Piles	0.0167		LOQ =	
(Station: ESNO00580002)	0.0167		Min =	
			Mean =	
			Max =	
	0.178		Median =	
	0.178			
	7			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0743		n =	
	0.42		LOQ =	
Rio Pisueña	0.0167		Min =	
(Station: ESNO00340008)			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
	4			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	

Rio Saja			Mean =	
(Station: ESNO340008)			Max =	
	0.0167		Median =	
	0.0167			
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.0167		n =	
	0.0167		LOQ =	
	0.0167		Min =	
			Mean =	
Rio Serpis			Max =	
(Station: ESJU308)	*0.0083*		Median =	
	0.0083			
	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
Rio Sor			Max =	
(Station: ESRW.16.040)	*0.0083*		Median =	
	0.0083			
	0.0083		*90P min* =	

	0.0083		*90P max* =	
	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
Rio Sot	0.0083		Min =	
(Station: ESJU128)			Mean =	
	0.0083		Max =	
	0.0083		Median =	
	4			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
Rio Turia			Mean =	
			Max =	
	0.66373		Median =	
(Station: ESJU103)	*0.66373*			
	0.57134		*90P min* =	
	0.57134		*90P max* =	
	3			
	0.25		*90P min* =	
	0.0167		*90P max* =	

	0.2478		n =	
	0.71		LOQ =	
(Station:ESJU461)	0.0167		Min =	
			Mean =	
	0.674		Max =	
	0.674		Median =	
	3			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.3389		n =	
	0.79		LOQ =	
	0.21		Min =	
Rio Turón			Mean =	
			Max =	
	1.08167		Median =	
(Station: ESNO00530013)	*1.08167*			
	2			
	0.25		*90P min* =	
	0.0167		*90P max* =	
	0.6084		n =	
	1.2		LOQ =	
	0.6083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
(Station:	*0.0083*			

ESNO530014)	1			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
Rio Ulla	7			
(Station: ESW.05.200)	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.0083		Median =	
	0.0083			
Rio Valdemembra				
(Station: ESJU063)	*0.0083*		*90P min* =	
	0.0083		*90P max* =	
	5			
	0.25		*90P min* =	
	0.0083		*90P max* =	

	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
Rio Verde	*0.0083*		Max =	
(Station: ESJU063)	*0.0083*		Median =	
	8			
	0.25		*90P min* =	
	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
	0.0083		Max =	
Rio Vinalopó	*0.0083*		Median =	
	9			
	0.25		*90P min* =	
(Station: ESJU029)	0.0083		*90P max* =	
	0.0083		n =	
	0.0083		LOQ =	
	0.0083		Min =	
			Mean =	
			Max =	
	0.31		Median =	
	0.31			
	1			

(Station: ESJU433) (Station: ESJU173) Urumea-A (Station: ESNO00640015)	0.25 0.31 0.31 0.31 031		*90P min* = *90P max* = n = LOQ = Min = Mean = Max = Median =	
Sweden Dalälven (Älvkarleby)	 0.025*	2007, autumn	Analysis: SPE-LC-MS Flow 340 m^3/s	Joint Research Center (2008)

Emån (Emsforo)	0.025*		Flow 28 m^3/s Observation: dirty, particles, yellow	
Fyrisån (Flottsund)	0.025*		Flow 12.8 m^3/s	
Göta Älv (Alelyckan)	0.025*		Flow 556 m^3/s Observation: yellow	
Motala ström (Norrköping)	0.025*		Flow 3.4 m^3/s	
Norrström (Stockholm)	0.025*		Flow 157 m^3/s	
Viskan (Åsbro)	0.025*		Flow 35 m^3/s	
Stockholm, Lake Tärnan	0.0683	2006-11-19	Analysis: GC-MS Background site NP-mix§	Nordic Council of Ministers (2008)
Gothenburg, Lille Öresjön	0.107	2006-01-13	Background site NP-mix§	

		2006-01-01	Analysis: GC-MS	SWECO (2007)
Gothemsån, agricultural region			Anthropogenic influence: Urban background	
			Filtrated	
	0.05*		Total	
	0.31			
Visby STP, outlet into the Baltic Sea			Point source (STP)	
			Filtrated	
	0.7		Total	
	0.88			
Lill-Gösken, inlet			Point source	
			Total	
	0.15			
Storsjön, outlet (below nedre säljet, Gavleån)			Point source	
			Total	
	0.16			
Testeboåns delta, outlet			Point source	
			Total	
	0.2			
Göta älv			Urban background	
			Total	
	0.16			
Munksjön, inlet			Urban background	
			Total	
	0.19			

Munksjön, outlet	0.20		Urban background Total	
Lillån, Bankeryd	0.24		Urban background Total	
Vättern, Southern part	0.05*		Background Total	
Vättern, Northern part	0.05*		Background Total	
Svartån, downstream of Tranås	0.05* 0.05*		Urban background Filtrated Total	
Gnosjöån, downstream of Gnosjö	0.42		Point source Total	
Eksjöån, downstream of Eksjö STP	0.21		Urban background Total	
Emån, downstream of Vetlanda	0.24		Urban background Total	
Emån, Rosenfors				

Emån, Emsfors	0.05*		Urban background Total	
	0.05*		Urban background Filtrated	
Emån, Åsebo, downstream of Högsby	0.05*		Urban background Total	
Huskvarnaån, outlet	0.25		Urban background Total	
Bruzaån, downstream Hjältevad	0.05*		Urban background Total	
Emån, Storgölen	0.13		Background (urban area) Total	
Lagan, donstream of Värnamo	0.17		Point source Total	
Anderstorpsån, inlet to Nissan	0.20 0.28		Urban background Filtrated Total	
Varnan, upstream of Kristinehamn	0.3		Urban background Total	

Varnan, downstream of Kristinehamn	0.2		Urban background Total	
Klarälven, Skoghallsådran	0.21 0.20		Urban background Filtrated Total	
Borlänge, Fågelmyra landfill	0.05*		Point source Total	
Dalälven, Borlänge, STP effluent	0.91		Point source Total	
Mässingboån, agricultural farming area	1.1		Point source Total	
Tjärna vattentäkt	0.17		Urban background Total	
Petersburg vattentäkt	0.05*		Urban background Total	
Tandån, STP recipient	0.05*		Urban background Total	

			Urban background	
Stråfulan	0.16		Total	
			Background	
Dalälven, Långhag	0.19		Total	
			Urban background	
	0.15		Filtrated	
Dalälven, Näs Bruk	0.20		Total	
			Urban background	
	0.05*		Filtrated	
Stångjärnsbäcken, deponi	0.14		Total	
			Point source	
	0.20		Total	
Lusbobäcken, dagvatten				
			Urban background	
	0.14		Total	
Svartån, industry				
			Point source	
	0.05*		Filtrated	
	0.20		Total	
Eskilstunaån outlet				
			Urban background	
	0.05*		Filtrated	

	0.05*		Total	
Hjälmaren outlet, Hyndevad			Urban background	
	0.05*		Total	
Mälaren, Arnöfjärden			Urban background	
	0.05*		Total	
Nyköpingsån, Kristineholm			Urban background	
	0.11		Total	
			Point source	
Fyrisån, nedre föret	0.42		Total	
			Urban background	
Kolbäcksån	0.05*		Total	
			Urban background	
Svartån	0.18		Total	
			Urban background	
Riddarfjärden	0.05*		Total	
			Urban background	
Drevviken	0.05*		Total	

			Urban background	
	0.05*		Total	
Brunnsviken				
			Background	
	0.23		Filtrated	
Stora Envättern	0.34		Total	
			Point source	
	0.05*		Filtrated	
Fysingen	0.14		Total	
			Point source	
	0.05*		Filtrated	
Motala Ström, outlet Bråviken	0.27		Total	
			Point source	
	0.05*		Total	
Stångån, outlet Roxen				
			Point source	
	0.3		Total	
Svartån, outlet Roxen				
			Urban background	
	0.78		Total	
Dovern, outlet Glan				
			Point source	
	0.05*		Total	

Kallholmsfjärden			Urban background	
	0.05*		Total	
Vormbäcken			Point source	
	0.05*		Total	
Tvärån			Point source	
	0.1		Total	
Umeälven, lower part			Point source	
	0.05*		Total	
Kalixälven, outlet			Point source	
	0.05*		Total	
Luleälven, outlet			Background	
	0.05*		Total	
Piteälven, outlet			Urban background	
	0.16		Total	
Boskvarnasjön, outlet			Urban background	
	0.12		Total	
Åsnen outlet, Hackekvarn			Urban background	

	0.24		Total	
Kråkesjön, outlet			Point source	
	0.2		Filtrated	
	0.2		Total	
Mörumsån, Forsbacka, 2 km upstream of the outlet into the Baltic Sea			Point source	
	0.05*		Filtrated	
	0.11		Total	
Stockvik, point source				
			Background	
	0.05*		Filtrated	
	0.05*		Total	
Kalixälven, mining				
			Background	
	0.05*		Filtrated	
	0.3		Total	
Krageholmssjön				
			Point source	
	0.05*		Filtrated	
	0.05*		Total	
Reference lake North, Abisko				
			Background	
	0.05*		Total	
Ursviksfjärden, downstream			Point source	

	0.05*		Total	
Örefjärden			Urban background	
	0.05*		Filtrated	
	0.19		Total	
Sagån			Urban background	
	0.05		Filtrated	
	0.28		Total	
Mölndalsån			Urban background	
	0.18		Filtrated	
	0.23		Total	
Säveån			Point source	
	0.2		Filtrated	
	0.31		Total	
Häggån			Point source	
	0.05*		Filtrated	
	0.16		Total	
Jordhammarsviken				
			Analysis: GC-MS	SWECO (2009a)
Abiskojaure (lake)	0.05*	2007-12-09	Anthropogenic influence:	
	0.05*	2008-01-10		

	0.05*	2008-02-10	Background	
	0.05*	2008-03-10		
	0.05*	2008-04-13		
	0.05*	2008-05-10		
	0.05*	2008-06-17		
	0.11	2008-07-27		
	0.05*	2008-08-24		
	0.05*	2008-09-23		
	0.05*	2008-10-20		
	0.05*	2008-11-26		
Göta Älv (river)	0.12	2007-12-20		
	0.21	2008-01-28	Urban, Port	
	0.18	2008-02-20		
	0.35	2008-03-25		
	0.18	2008-04-29		
	0.15	2008-04-28		
	0.05*	2008-06-25		
	0.69	2008-07-14		
	0.20	2008-08-25		
	0.05*	2008-09-25		
	0.05*	2008-10-23		
	0.05*	2008-11-12		
Hjulstafjärden (lake)	0.14	2007-12-12		
	0.11	2008-01-17	Diffuse, urban	

	0.20	2008-02-14	background	
	0.17	2008-03-12		
	0.22	2008-04-17		
	0.21	2008-05-13		
	0.89	2008-06-17		
	2.40	2008-07-15		
	0.12	2008-08-12		
	0.25	2008-09-16		
	0.05*	2008-10-16		
	0.05*	2008-11-13		
Stora Envättern (lake)	0.05*	2007-12-12		
	0.10	2008-01-17	Low, regional background	
	0.22	2008-02-14		
	0.31	2008-03-12		
	0.27	2008-04-17		
	0.20	2008-05-13		
	0.61	2008-06-18		
	1.80	2008-07-15		
	0.24	2008-08-13		
	0.22	2008-09-16		
	0.05*	2008-10-16		
	0.05*	2008-11-08		
Storsjön (lake)	0.05*	2007-12-18	Urban	
	0.05*	2008-01-17		

	0.13	2008-02-20		
	0.17	2008-03-17		
	0.25	2008-04-23		
	0.15	2008-05-13		
	0.16	2008-06-23		
	0.18	2008-07-30		
	0.16	2008-08-20		
	0.46	2008-09-23		
	0.05*	2008-10-21		
	0.05*	2008-11-10		
The inlet to Vänern at Karlstad (river)	0.18	2007-12-19	Industry point source, urban	
	0.12	2008-01-15		
	0.29	2008-02-18		
	0.20	2008-03-18		
	0.21	2008-04-16		
	0.20	2008-05-20		
	0.54	2008-06-18		
	2.50	2008-07-09		
	0.12	2008-08-21		
	0.15	2008-09-25		
	0.13	2008-10-21		
	0.05*	2008-11-12		
The outlet of Vättern, to Motala Ström (lake)	0.05*	2007-12-16	Diffuse, urban	
	0.05*	2008-01-16		

	0.13	2008-02-18		
	0.05*	2008-03-17		
	0.05*	2008-04-14		
	0.05*	2008-05-13		
	0.05*	2008-06-18		
	0.05*	2008-07-14		
	0.14	2008-08-14		
	0.05*	2008-09-16		
	0.05*	2008-10-14		
	0.05*	2008-11-13		
Älvkarleby (river)	0.14	2007-12-11		
	0.18	2008-01-16	Diffuse	
	0.25	2008-02-13		
	0.05*	2008-03-12		
	0.10	2008-04-14		
	0.22	2008-05-13		
	0.46	2008-06-17		
	3.50	2008-07-15		
	0.23	2008-08-12		
	0.22	2008-09-15		
	0.05*	2008-10-16		
	0.05*	2008-11-12		
Ulvsundsjön	0.05*	2009-06-21 – 2009-06-29	Analysis: GC-MS	SWECO (2009b)

Gröndal	0.05*			
Årstaviken (Årstadal)	0.05*			
Klubben	0.05*			
Turingen, outlet	0.05*			
Fysingen (south part)	0.05*			
Södertälje channel, Guest harbor	0.05*			
Edsbro, directly downstream, Söderängsåns inlet	0.05*			
Drevviken, outlet	0.05*			
Magelungen, outlet	0.05*			
Tämnaren	0.05*			
Trehörningen	0.05*			
Funbosjön	0.05*			

Strömaren	0.05*			
Finnsjön	0.05*			
Enköpingsån	0.05*			
Fyrisån	0.05*			
Tämnaren	0.05*			
Råcksta å	0.05*			
Trosaån	0.05*			
Svärtaån	0.05*			
Kilaån	0.05*			
Nyköpingsån	0.05*			
Hedenlundaån	0.05*			
Malmån	0.05*			
Husbyån	0.05*			

Garhytteån	0.05*			
Dalkarlshytteån	0.05*			
Storån	0.05*			
Nittälven	0.05*			
Väringen	0.05*			
Kvismare kanal	0.05*			
Arbogaån through Ställdalen	0.05*			
Garphytteån	0.05*			
Laxån	0.05*			
Lillån through Örebro	0.05*			
Stora Aspen (downstream Fagersta)	0.05*			
Downstream Arboga	0.05*			

Nedre Vättern (Skinnskatteberg)	0.05*			
Östersjön (downstream Surahammar)	0.05*			
Lien	0.05*			
Hedströmmen (downstream Kolsva)	0.05*			
Kolbäcksån (downstream Hallstahammar)	0.05*			
Snytboån/Trätten (downstream Norberg)	0.05*			
Kvicksund	0.05*			
Vågsjön	0.05*			
UK		2007, autumn	Analysis: SPE-LC-MS	Joint Research Center (2008)
Clyde (Glasgow)	0.200			
Forth	0.025*			

(Edingburgh)			Flow 47 m^3/s	
Humber (Hull)	0.230			
Lune (Lancaster)	0.025*			
Mersey (Runcorn)	0.230			
Ouse (Naburn Lock)	0.025*			
Severn (Haw Bridge, Stafford)			Flow 10.4 m^3/s Observation: yellow	
Tees (Middlesbrough)	0.025*		Flow 33.4 m^3/s	
Wyre (Fleetwood)	0.025*			
	0.320			
Afon Dwyfach (Station: GB22682)	0.063*	2011-06-01		
	0.063*	2011-08-31		
	0.063*	2011-11-16		

		2011-12-12		
	*0.063**		Estimated 90P	
Afon Einion	0.063*	2011-06-06		
(Station: GB22215)	0.063*	2011-09-09		
	0.063*	2011-12-12		
	*0.063**		Estimated 90P	
Afon Lliw	0.168	2011-06-07		
(Station: GB196)	0.063*	2011-09-07		
	0.063*	2011-11-02		
	0.15		Estimated 90P	
Afon Tarell	0.063*	2011-06-14		
(Station: GB40897)	0.063*	2011-09-05		
	0.063*	2011-11-10		
	*0.063**		Estimated 90P	

Afon Wern	0.25	2011-08-30		
(Station: GB32496)	0.063*	2011-11-15		
	0.23		Estimated 90P	
Aldingbourne Rife	0.063*	2011-08-02		
(Station: GBF0003319)	0.063*	2011-11-02		
	*0.063**		Estimated 90P	
Annick Water	0.015*	2011-02-17		
(Station: UKSC121600)	0.015*	2011-04-15		
	0.21	2011-05-23		
	0.036	2011-06-08		
	0.10	2011-07-06		
	0.26	2011-08-23		
	0.36	2011-09-06		
	0.015*	2011-09-28		
	0.051	2011-10-25		
	0.28		Estimated 90P	
	0.063*	2011-06-06		

Becka Brook	0.063*	2011-09-05		
(Station: GB70642141)	0.063*	2011-12-01		
	*0.063**		Estimated 90P	
	0.19	2011-06-21		
Berhin Brook	0.063*	2011-09-07		
(Station: GB40200)	0.063*	2011-12-07		
	0.16		Estimated 90P	
	0.015*	2011-01-24		
Black Cart Water	0.015*	2011-02-02		
(Station: UKSC121402)	0.015*	2011-03-29		
	0.050	2011-05-30		
	0.18	2011-06-16		
	0.15*	2011-07-25		
	0.074	2011-08-01		
	0.73	2011-09-20		
	0.015*	2011-10-13		
	0.015*	2011-11-03		
	0.24		Estimated 90P	

	0.063*	2011-06-14		
	0.063*	2011-09-09		
Bow Lake	0.063*	2011-12-07		
(Station: GBG0003848)	*0.063**		Estimated 90P	
	0.063*	2011-09-08		
	0.063*	2011-11-24		
	0.063*	2011-12-01		
Chess Stream (Station: GBF0002654)	*0.063**		Estimated 90P	
	0.063*	2011-06-07		
	0.063*	2011-09-02		
	0.063*	2011-12-01		
Crockford Stream (Station: GBG0004167)	*0.063**		Estimated 90P	
	0.15	2011-02-17		
	0.015*	2011-05-04		
	0.25	2011-09-08		
	0.015*	2011-11-24		

Dighty Water (Station: UKSC007989)	*0.22*		Estimated 90P	
	0.063*	2011-06-02		
	0.063*	2011-08-09		
	0.063*	2011-12-09		
Ditchend Brook (Station: GB50281905)	*0.063**		Estimated 90P	
	0.063*	2011-06-02		
	0.063*	2011-08-09		
	0.063*	2011-12-09		
Dockens Water (Station: GB50281314)	*0.063**		Estimated 90P	
	0.063*	2011-06-27		
	0.063*	2011-09-02		
	0.063*	2011-11-28		
Hindwell Brook (Station: GB50038)	*0.063**		Estimated 90P	
	0.183	2011-06-20		

	0.063*	2011-09-21		
	0.063*	2011-12-14		
	0.16		Estimated 90P	
Jackmoor Brook (Station: GBPUTR0214)				
	0.063*	2011-06-02		
	0.063*	2011-09-02		
	0.063*	2011-11-23		
	0.063*		Estimated 90P	
Kings Sedgmoor drain (Station: GB60270117)				
	0.063*	2011-06-17		
	0.063*	2011-09-06		
	0.063*	2011-12-02		
	*0.063**		Estimated 90P	
Main Ditch (Station: GB50834)				
	0.063*	2011-06-02		
	0.063*	2011-08-22		
	0.063*	2011-11-30		
	*0.063**		Estimated 90P	

Nine Mile River				
(Station: GB50210619)	0.17	2011-06-21		
	0.063*	2011-09-07		
	0.063*	2011-12-07		
	0.15		Estimated 90P	
Olway Brook				
(Station: GB40720)	0.16	2011-06-20		
	0.063*	2011-09-22		
	0.063*	2011-12-09		
	*0.14**		Estimated 90P	
Pulworthy Brook				
(Station: GB72930937)	0.063*	2011-06-02		
	0.063*	2011-08-09		
	0.063*	2011-12-09		
	*0.063**		Estimated 90P	
Ripley Brook				
(Station: GB50280808)	0.14	2011-09-08		
	0.063*	2011-11-24		
	0.13		Estimated 90P	

River Adur	0.063*	2011-08-26		
(Station: GBF0002496)	0.25	2011-11-04		
	0.23		Estimated 90P	
River Aeron	0.063*	2011-08-24		
(Station: GB35018)	0.063*	2011-11-15		
	*0.063**		Estimated 90P	
River Afan	0.015*	2011-01-31		
(Station: GB11005)	0.015*	2011-03-01		
	0.047	2011-04-05		
	0.094	2011-05-02		
	0.015*	2011-06-21		
	0.77	2011-07-27		
River Almond	0.75	2011-08-23		
(Station: UKSC007989)	0.20	2011-09-22		
	0.045	2011-10-11		
	0.26		Estimated 90P	

–				
	0.20	2011-06-15		
	0.063*	2011-09-15		
	0.063*	2011-12-09		
River Angell (Station: GB20216)	*0.17*		Estimated 90P	
	0.063*	2011-08-17		
	0.063*	2011-11-23		
River Annell (Station: GB88394)	*0.063**		Estimated 90P	
	0.063*	2011-06-24		
	0.063*	2011-08-24		
	0.063*	2011-11-14		
River Alyn (Station: GB706)	*0.063**		Estimated 90P	
	1.4	2011-06-22		
	0.15	2011-08-04		
	0.28	2011-09-20		
	0.015*	2011-10-19		
River Annan	0.015*	2011-10-27		

(Station: UKSC121105)	0.03	2011-11-17		
	0.84		Estimated 90P	
	*0.063**		Total estimated 90P	
	0.063*	2011-08-12		
	0.063*	2011-11-09		
River Arun	*0.063**		Estimated 90P	
(Station: GBF0002783)	0.063*	2011-06-22		
	0.063*	2011-09-15		
	0.063*	2011-11-18		
(Station: GBF0002797)	*0.063**		Estimated 90P	
	0.063*	2011-09-01		
	0.063*	2011-10-21		
River Axe	*0.063**		Estimated 90P	
(Station: GB70220159)	0.063*	2011-06-08		

	0.063*	2011-09-21		
	0.063*	2011-12-01		
	*0.063**			
River Batherm (Station: GB70561005)			Estimated 90P	
	0.16	2011-06-07		
	0.063*	2011-09-02		
	0.063*	2011-12-01		
	0.14			
River Beaulieu (Station: GBG0004145)			Estimated 90P	
	0.063*	2011-06-06		
	0.063*	2011-09-05		
	0.063*	2011-12-09		
	*0.063**			
River Bovey (Station: GB70641129)			Estimated 90P	
	0.063*	2011-08-15		
	0.063*	2011-11-16		
	*0.063**			
			Estimated 90P	

River Bran	0.11	2011-09-20		
(Station: GB31611)	0.23	2011-10-13		
	0.40	2011-11-03		
	0.37		Estimated 90P	
River Brora				
(Station: UKSC203272)	0.063*	2011-06-07		
	0.063*	2011-09-12		
	0.063*	2011-12-05		
	*0.063**		Estimated 90P	
River Cadnam				
(Station: GBG0004000)	0.063*	2011-06-10		
	0.063*	2011-09-02		
	0.063*	2011-11-25		
	*0.063**		Estimated 90P	
River Cadoxton	0.063*	2011-08-22		
(Station: GB15003)	0.063*	2011-11-18		
	*0.063**		Estimated 90P	

	0.032	2011-03-02		
	0.015*	2011-03-31		
River Camddwr	0.19	2011-05-17		
(Station: GB88079)	0.18	2011-05-31		
	0.41	2011-06-22		
	0.015*	2011-07-21		
	0.044	2011-08-18		
	0.31	2011-09-27		
River Carron	0.015*	2011-10-24		
(Station: UKSC001615)	*0.33*		Estimated 90P	
	0.063*	2011-05-31		
	0.063*	2011-09-05		
	0.063*	2011-11-11		
	*0.063**		Estimated 90P	
	0.063*	2011-06-14		
	0.20	2011-06-15		
River Cheddar Yeo	0.063*	2011-09-15		
(Station: GBE7070400)	0.063*	2011-09-23		
	0.063*	2011-12-02		

	0.063*	2011-12-09		
	0.13		Estimated 90P	
River Cerist				
(Station: GB20123)	0.163	2011-06-08		
	0.063*	2011-09-02		
	0.063*	2011-11-26		
	0.063*	2011-12-13		
	0.13		Estimated 90P	
	0.063*	2011-08-15		
River Churn	0.063*	2011-10-31		
(Station: GBPUTR0214)	*0.063**		Estimated 90P	
	0.063*	2011-09-28		
	0.063*	2011-12-16		
River Clarach	*0.063**		Estimated 90P	
(Station: GB35707)				
	0.015*	2011-02-10		

	0.015*	2011-03-21		
	0.015*	2011-04-18		
	0.42	2011-05-16		
River Cilrhedyn	0.08	2011-06-13		
(Station: GB33601)	0.015*	2011-07-19		
	0.015*	2011-08-11		
	0.015*	2011-09-28		
	0.015*	2011-10-10		
	0.066	2011-10-31		
River Clyde				
(Station: UKSC121157)	*0.11*		Estimated 90P	
	0.063*	2011-09-05		
	0.063*	2011-12-08		
	*0.063**		Estimated 90P	
	0.063*	2011-07-20		
	0.063*	2011-11-21		
	*0.063**		Estimated 90P	
River Clyne				
(Station: GB30354)	0.063*	2011-06-09		

	0.063*	2011-09-09		
	0.063*	2011-12-12		
	0.063*			
River Clywd			Estimated 90P	
(Station: GB1185)				
	*0.063**		Total estimated 90P	
	0.063*	2011-06-30		
	0.063*	2011-08-30		
River Crewi	0.063*	2011-11-24		
(Station: GB20227)				
	*0.063**		Estimated 90P	
	0.063*	2011-08-30		
	0.063*	2011-11-01		
River Clywedog	*0.063**		Estimated 90P	
(Station: GB105)				
	0.063*	2011-08-31		
	0.063*	2011-11-02		
	*0.063**		Estimated 90P	
(Station: GB34503)				

	0.229	2011-06-16		
	0.063*	2011-09-02		
	0.063*	2011-11-10		
	0.20			
River Cywyn (Station: GB32007)			Estimated 90P	
	0.063*	2011-08-12		
	0.063*	2011-11-09		
	*0.063**			
River Culm (Station: GB70531310)			Estimated 90P	
	*0.063**			
	0.063*	2011-06-01	Total estimated 90P	
	0.063*	2011-10-24		
River Dafen (Station: GB30803)	*0.063**			
	0.063*	2011-06-10	Estimated 90P	
	0.063*	2011-09-13		
	0.063*	2011-12-15		
River Dee	*0.063**			

(Station:GB671)				
	0.18	2011-06-07	Estimated 90P	
	0.25	2011-08-30		
	0.063*	2011-11-29		
(Station: GB63)	*0.24*			
	0.048	2011-02-01	Estimated 90P	
	0.015*	2011-03-10		
	0.015	2011-04-05		
	0.051	2011-05-30		
River Dikler	0.034	2011-06-30		
(Station: GBPWRR0005)	0.015*	2011-08-11		
	0.15	2011-09-05		
	0.035	2011-10-26		
	0.081			
River Don				
	0.063*	2011-06-09	Estimated 90P	
(Station: UKSC205047)	0.063*	2011-11-17		
	0.063*	2011-12-13		
	*0.063**			

	0.063*	2011-06-01	Estimated 90P	
	0.063*	2011-08-31		
	0.063*	2011-11-16		
	0.063*	2011-12-12		
	*0.063**			
River Duke (Station: GBPCRR0025)				
	0.25	2011-08-30	Estimated 90P	
	0.063*	2011-09-02		
	0.063*	2011-12-13		
	0.21			
River Dwyryd (Station: GB22502)				
	0.015*	2011-01-31	Estimated 90P	
	0.015*	2011-03-01		
	0.015*	2011-04-05		
	0.015*	2011-05-02		
	0.33	2011-06-21		
	0.035	2011-07-27		
	0.18	2011-08-23		
River East Dart (Station: GB70724103)	0.35	2011-08-28		
	0.015*	2011-09-22		
	0.31	2011-10-11		

	0.33			
River Esk (Lothian)	0.015*	2011-01-27	Estimated 90P	
(Station: UKSC000635)	0.015*	2011-04-13		
	0.79	2011-06-14		
	0.30	2011-07-18		
	0.015*	2011-10-10		
	0.015*	2011-10-20		
	0.058	2011-11-08		
	0.50			
	0.063*	2011-06-20	Estimated 90P	
	0.063*	2011-09-21		
	0.063*	2011-12-14		
River Esk (Black Esk) (Station: UKSC121084)	*0.063**			
	0.063*	2011-08-22	Estimated 90P	
	0.063*	2011-11-04		
	*0.063**			

	0.063*	2011-08-10	Estimated 90P	
	0.063*	2011-11-09		
River Exe	*0.063**			
(Station: GB70540224)				
	0.063*	2011-08-11	Estimated 90P	
	0.063*	2011-11-23		
	*0.063**			
River Ffrwd Wyllt				
(Station: GB11001)				
	0.063*	2011-09-26	Estimated 90P	
	0.063*	2011-12-07		
	*0.063**			
River Garnant				
(Station: GB72736)				
	0.063*	2011-06-30	Estimated 90P	
	0.063*	2011-09-02		
	0.063*	2011-11-24		
River Gorlech	*0.063**			
(Station: GB88387)				

	0.063*	2011-05-27	Estimated 90P	
	0.063*	2011-09-05		
	0.063*	2011-11-03		
River Gronw				
(Station: GB87014)	*0.063**			
	0.17	2011-06-20	Estimated 90P	
	0.063*	2011-09-22		
River Gwenfro	0.063*	2011-12-07		
(Station: GB167)				
	0.15			
	0.063*	2011-06-24	Estimated 90P	
	0.063*	2011-09-12		
River Haddeo	0.063*	2011-12-16		
(Station: GB70571003)				
	*0.063**			
	0.015*	2011-01-11	Estimated 90P	
	0.015*	2011-02-01		
River Hart	0.80	2011-02-28		
(Station:	5.40	2011-04-07		

GBPLDR0018)	0.070	2011-05-06		
	0.037	2011-05-31		
	0.032	2011-06-29		
	0.015*	2011-08-09		
	0.22	2011-09-07		
	0.14	2011-09-27		
River Heddon	0.67	2011-10-05		
(Station: GB73111211)	0.015*	2011-11-09		
	0.79			
	0.063*	2011-06-14	Estimated 90P	
River Irvine	0.063*	2011-09-09		
(Station: UKSC121572)	0.063*	2011-12-07		
	*0.063**			
	0.015*	2011-03-31	Estimated 90P	
	0.14	2011-06-16		
	0.015*	2011-08-08		
	0.041	2011-11-16		
	0.11			

	0.063*	2011-08-22	Estimated 90P	
	0.063*	2011-11-07		
River Itchen	*0.063**			
(Station: GBG0003786)				
	0.063*	2011-11-09	Estimated 90P	
	*0.063**			
River Kelvin	0.063*	2011-01-24	Estimated 90P	
(Station: UKSC121255)	0.063*	2011-02-22		
	0.063*	2011-03-22		
	0.063*	2011-09-06		
	0.063*	2011-09-22		
	0.063*	2011-11-01		
	0.063*	2011-11-28		
River Kenfig	*0.063**			
(Station: GB12001)				
	0.17	2011-06-20	Estimated 90 P	
	0.063*	2011-09-07		
	0.063*	2011-12-13		

River Lambourn (Station: GBPKER0059)	*0.15*			
River Lee (Station: GBPLER0067)	0.015*	2011-01-27	Estimated 90P	
	0.015*	2011-02-24		
	0.015*	2011-03-30		
	0.015*	2011-04-13		
	0.015*	2011-05-09		
	0.095	2011-06-06		
	0.35	2011-06-30		
	0.09	2011-07-28		
	0.038	2011-08-23		
	0.015*	2011-09-21		
	0.015*	2011-10-17		
	0.082	2011-11-15		
River Lemon	*0.09*			
	0.063*	2011-08-15	Estimated 90P	
	0.063*	2011-10-31		
River Leven	*0.063**			

(Station: UKSC003415)	0.063*	2011-08-15	Estimated 90P	
	0.063*	2011-11-03		
	*0.063**			
	0.13	2011-01-20	Estimated 90P	
	0.015*	2011-02-14		
	0.015*	2011-03-10		
	0.048	2011-04-13		
	0.081	2011-06-13		
	0.19	2011-09-07		
	0.056	2011-11-10		
	0.15			
River Liechwedd-mawr				
	0.063*	2011-05-18	Estimated 90P	
	0.063*	2011-08-17		
	0.063*	2011-11-18		
	*0.063**			
River Loughor (Station: GB30557)				
	0.015*	2011-04-20	Estimated 90P	
	0.14	2011-07-21		

	0.015*	2011-10-11		
River Lossie	*0.11*			
(Station: UKSC203862)				
	0.063*	2011-08-24	Estimated 90P	
	0.063*	2011-11-25		
	*0.063**			
	0.015*	2011-01-19	Estimated 90P	
	0.15	2011-05-03		
	0.25	2011-07-28		
River Lydden	0.16	2011-10-25		
(Station: GB50330162)	*0.22*			
	0.063*	2011-09-05	Estimated 90P	
	0.063*	2011-12-08		
River Nairn				
(Station: UKSC202313)	*0.063**			
	0.063*	2011-06-01	Estimated 90P	

	0.13	2011-09-08		
	0.063*	2011-12-05		
River Nant-y-Fendrod (Station: GB30014)	*0.11*			
	0.063*	2011-07-21	Estimated 90P	
	0.063*	2011-10-27		
River Ness (Station: UKSC202314)	*0.063**			
	0.063*	2011-03-14	Estimated 90P	
	0.063*	2011-07-07		
	0.063*	2011-09-26		
	0.063*	2011-12-07		
River Pennard Pill (Station: GB30563)	*0.063**			
	0.063*	2011-08-05	Estimated 90P	
	0.063*	2011-11-04		
River Quin (Station: GBPLER0118)	*0.063**			

	0.063*	2011-08-18	Estimated 90P	
	0.063*	2011-11-14		
	*0.063**			
River Ravensbourne (Station: GBPRVR0030)	0.063*	2011-06-03	Estimated 90P	
	0.15	2011-09-09		
	0.063*	2011-11-21		
	0.14			
River Rheidol (Station: GB35201)	0.063*	2011-11-22	Estimated 90P	
	*0.063**			
	0.063*	2011-08-31	Estimated 90P	
	0.063*	2011-11-02		
River Rother (Station: GBF0002886)	*0.063**			
	0.063*	2011-01-12	Estimated 90P	
	0.063*	2011-04-15		

River Shedi	0.063*	2011-07-25		
(Station: GB83004)	0.063*	2011-10-26		
	*0.063**			
River Stort	0.29	2011-03-15	Estimated 90P	
(Station: GBPLER0143)	0.015*	2011-03-22		
	0.015*	2011-04-26		
	0.015*	2011-05-25		
	0.13	2011-06-22		
	0.14	2011-07-19		
	0.18	2011-08-09		
River Stour	0.20	2011-08-17		
(Station: GB50370369)	0.62	2011-09-13		
	0.015*	2011-10-11		
	0.20			
River Taf/Cynin				
(Station: GB87001)				
	*0.063**		Estimated 90P	
	0.063*	2011-08-30		
	0.063*	2011-10-12	Total estimated 90P	
River Tawe				
(Station: GB30001)	*0.063**			

	0.063*	2011-06-06		
	0.063*	2011-09-06		
	0.063*	2011-12-13	Estimated 90P	
	*0.063**			
River Tay (Station: UKSC008321)				
	0.063*	2011-09-02	Estimated 90P	
	0.063*	2011-10-03		
	*0.063**			
	*0.063**		Estimated 90P	
	0.063*	2011-007-18		
	0.063*	2011-10-19		
	0.063		Total estimated 90P	
River Teign (Station: GB70620154)	0.063*	2011-01-14		
	0.063*	2011-02-07		
	0.063*	2011-03-08	Estimated 90P	
	0.063*	2011-04-08		
	0.063*	2011-05-10		

	0.063*	2011-06-10		
	0.063*	2011-07-29		
(Station: GB70630270)	0.063*	2011-08-26		
	0.063*	2011-10-17		
	0.063*	2011-11-02		
	0.063*	2011-11-24		
	0.063*	2011-12-09		
	*0.063**			
River Test				
(Station: GBG0003885)				
	0.063*	2011-09-22		
	0.063*	2011-09-27		
	0.063*	2011-12-09	Estimated 90P	
	0.063*			
River Thames				
(Station: GBPTHR0107				
	0.063*	2011-07-22		
	0.063*	2011-10-20		
			Estimated 90P	
	*0.063**			
(Station: GBPTHR0094)				
	0.25	2011-08-30		
	0.063*	2011-09-02		

	0.063*	2011-11-10	Estimated 90P	
	0.21			
	0.063*	2011-06-01		
	0.063*	2011-08-31		
	0.063*	2011-12-02	Estimated 90P	
	*0.063**			
	0.063*	2011-06-07		
	0.063*	2011-09-07		
River Torridge	0.063*	2011-11-28	Estimated 90P	
(Station: GB72930188)	*0.063**			
	0.063*	2011-06-03		
	0.063*	2011-09-06		
River Wheeler	0.063*	2011-12-16	Estimated 90P	
(Station: GB2055)	*0.063**			

	0.20			
River West Webburn				
(Station: GB70723535)	0.063*	2011-01-31	Estimated 90P	
	0.25	2011-02-24		
	0.063*	2011-03-23		
	0.21		Total estimated 90P	
River Western Avon	0.063*	2011-06-29		
(Station: GB50210705)	0.063*	2011-10-04		
	0.063*	2011-12-09		
	*0.063**		Estimated 90P	
River Windrush	0.063*	2011-06-02		
(Station: GBPWRR0019)	0.063*	2011-09-20		
	0.063*	2011-12-02	Estimated 90P	
	*0.063**			
River Worthenbury	0.063*	2011-02-08		
	0.063*	2011-05-26		
(Station: GB1105)	0.063*	2011-08-02		
	0.063*	2011-11-01	Estimated 90P	

	*0.063**			
River Wye	*0.063**			
(Station: GB50177)	0.063*	2011-01-14		
	0.063*	2011-02-09	Estimated 90P	
	0.063*	2011-03-18		
	0.063*	2011-09-07		
	0.063*	2011-10-05	Total estimated 90P	
	0.063*	2011-11-22		
(Station: GB50177)	0.063*	2011-12-07		
	*0.063**			
	0.063*	2011-06-10		
	0.063*	2011-09-07		
	0.063*	2011-12-07		
River Yarty (Station: GB70240223)	*0.063**		Estimated 90P	
	0.063*	2011-06-14		
	0.063*	2011-09-07		
	0.063*	2011-12-09		

River Ystwth				
(Station: GB82002)	*0.063**		Estimated 90P	
	0.063*	2011-06-03		
	0.063*	2011-08-31		
	0.063*	2011-11-26		
Salmon Brook	*0.063**		Estimated 90P	
(Station: GBPLER0129)				
	0.063*	2011-06-02		
	0.063*	2011-09-20		
	0.063*	2011-12-02		
	*0.063**		Estimated 90P	
	0.063*	2011-06-21		
	0.063*	2011-09-09		
(Station: GBPLER0130)	1.81	2011-12-02		
	0.063*	2011-12-21		
			Estimated 90P	
	1.3			

	0.063*	2011-06-10		
Scotley Brook	0.063*	2011-09-13		
(Station: GB70633822)	0.063*	2011-12-15		
	*0.063**		Estimated 90P	
	0.063*	2011-09-22		
Sor Brook	0.063*	2011-12-09		
(Station: GBPCHR0046)	*0.063**		Estimated 90P	
	0.015*	2011-01-31		
	0.015*	2011-03-01		
	0.039	2011-04-05		
Temple Brook (Axe Devon Upper)	0.015*	2011-05-02		
(Station: GB70232250)	0.28	2011-06-21	Estimated 90P	
	0.015*	2011-07-27		
	0.31	2011-08-23		
	0.24	2011-08-28		
	0.015*	2011-09-22		
Temple Brook (Exe Upper)	0.015*	2011-10-11		
(Station: GB70570220)	*0.28*			

	0.063*	2011-06-01		
	0.063*	2011-09-20		
	0.063*	2011-11-15		
Tref-y-nant Brook (Station: GB411)	*0.063**		Estimated 90P	
	0.040	2011-01-31		
	0.015*	2011-02-22		
	0.039	2011-03-10		
	0.015*	2011-04-13		
Wagaford Water (Station: GB72931847)	0.28	2011-05-10	Estimated 90P	
	0.036	2011-06-01		
	0.20	2011-07-04		
	0.15	2011-07-28		
	0.11	2011-08-31		
	0.27	2011-09-22		
Water of Leith (Station: UKSC000536)	0.056	2011-10-27		
	0.27			
	0.063*	2011-06-14		
	0.063*	2011-09-26		
	0.063*	2011-12-16		

	*0.063**		Estimated 90P	
West End Brook (Station: GBPKER0151)			Estimated 90P	
White Cart Water (Station: UKSC12137)				

Woolleigh Brook (Station: GB72922205)				
Rivers downstream of ten selected WWTP in the UK	0.32 0.0325*-0.56	2013-02 – 2013-05	Analysis: GC-MS 90P Min - max Weekly sampling for 12 weeks 71.7% of the total number of results were “less than” values. Of these, there were only 10 instances where the “less than” values were greater than the LOD (i.e. 0.065).	UK Environment Agency 2013c
Brackish and marine waters				

Denmark			Analysis: GC-MS	Nordic Council of Ministers (2008)
Brackish, Limfjorden	0.005*	2006-11-14	WWTP recipient water NP-mix§	
Brackish, Roskilde Fjord	0.0179	2006-10-03	o WWTP recipient water NP-mix§	
Marine, Copenhagen, Øresund	0.0188	2006-10-04	WWTP recipient water NP-mix§	
Marine, Faroe Island, Klaksvik Marina	0.0075*	2007-01-12	WWTP recipient water NP-mix§	
Marine, Faroe Island, Torshavn, Vagsbotn	4.199***	2007-01-12		
Marine, Kattegat, St. 905-1	0.0421	2006-09-21	WWTP recipient water NP-mix§	
Marine, Kattegat, St. 905-2	0.0222	2006-10-18	Background site NP-mix§	
			Background site NP-mix§	
			Analysis: LC IT-MS	COHIBA

				(2011a)
			4-NP (mix)	
Baltic Sea	0.05*	2009-08-27	Reference sample	
The Sound	0.05*	2009-11-17	Reference sample	
	0.025*	2010-06-29		
Finland			Analysis: GC-MS	Nordic Council of Ministers (2008)
Brackish, Espoo, near pipeline outlet, 1 m depth	0.0204	2006-10-04	WWTP recipient water NP-mix[§]	
Brackish, Espoo, near pipeline outlet, 16 m depth	0.0479	2006-10-04	WWTP recipient water NP-mix[§]	
Brackish, Helsinki, near shipping port	0.0936	2006-10-04	WWTP recipient water NP-mix[§]	
Lithuania				Lithuanian Environmental Agency (2014)
Baltic Sea		Level 1 m		
Location 1B	0.025*	2012-03-05		
	0.025*	2012-05-22		
	0.025*	2012-08-20		
	0.06	2012-10-15		

	0.05		*Estimated 90P*	
Location 4	0.025*	2012-03-06		
	0.025*	2012-05-28		
	0.025*	2012-08-22		
	0.06	2012-10-22		
	0.05		*Estimated 90P*	
Location 7	0.025*	2012-03-06		
	0.025*	2012-05-31		
	0.025*	2012-08-21		
	0.025*	2012-10-22		
	0.025		*Estimated 90P*	
Location 20	0.025*	2012-03-06		
	0.025*	2012-05-28		
	0.025*	2012-08-21		
	0.025*	2012-10-22		
	0.025		*Estimated 90P*	

Location 64A1	0.025*	2012-06-27		
	0.025*	2012-09-20		
	0.025		*Estimated 90P*	
Curonian Lagoon		Level 0.5 m		
Location 2	0.025*	2012-02-27		
	0.025*	2012-05-09		
	0.025*	2012-08-14		
	0.025*	2012-11-06		
	0.025		*Estimated 90P*	
Location 3	*0.066*		*Total estimated 90P*	
Location 3A	0.025*	2012-02-27		
	0.025*	2012-05-09		
	0.025*	2012-08-14		
	0.09	2012-11-06		
	0.0705		*Estimated 90P*	

Location 3B	0.025*	2012-02-27		
	0.025*	2012-05-09		
	0.025*	2012-08-14		
	0.025*	2012-11-06		
	0.025		*Estimated 90P*	
Location 10	0.025*	2012-02-27		
	0.025*	2012-05-08		
	0.025*	2012-08-13		
	0.06	2012-11-13		
	0.0495		*Estimated 90P*	
Location 12	0,025*	2012-02-27		
	0,025*	2012-05-08		
	0,025*	2012-08-13		
	0,025*	2012-11-13		
	0.025		*Estimated 90P*	
Location 14	0,025*	2012-02-27		

	0,025* 0,025* 0,22 *0.16*	2012-05-08 2012-08-13 2012-11-13	*Estimated 90P*	
Norway			Analysis: GC-MS	Nordic Council of Ministers (2008)
Marine, Oslo Fjorden, Inner part of	0.010*	2006-10-25	WWTP recipient water NP-mix§	
Marine, Oslo Fjord, St. 36	0.010*	2006-11-08	Background site NP-mix§	
Marine, Tromsø, St. 42	0.010*	2006-08-30	Background site NP-mix§	
Marine, Varangerfjord, St. 10	0.010*	2006-09-07	Background site NP-mix§	
Puddefjorden	*0.374*	2011-10-05	*Estimated 90P*	Klif (2012)
Station 1	0,303			
Station 2	0,011			
Station 3	0,421			

Station 4 Station 5 Skåneviksfjorden Station 1 Station 2 Station 3 Station 4 Station 5	0,082 0,023 *0.017* 0,018 0,0015 0,0026 0,0068 0,015	 2011-09-12	 *Estimated 90P*	
Spain NW Mediterranean Sea Coastal seawater Port seawater	 0.052 (arithmetic mean) n = 12 0.001-0.153 (min-max) 0.237 (arithmetic mean) n = 16 0.025-0.689	2009, March-July	Analysis: GC-MS SPE	Sánchez-Avila et al. (2012)

River mouth seawater WWTP effluent discharging via submarine sea emissaries	(min-max) 0.038 (arithmetic mean) n = 2 0.003-0.073 (min-max) 0.038 (arithmetic mean) n = 2 0.003-0.073 (min-max)			
Atlantic Ocean (Cantabrien Sea) Virgen del Mar	0.0019 ± 0.5 (n = 2)	2009, October and November	Analysis: GC-MS SPE Group A – coastal areas and estuarine waters with low identified pressures/impacts Outfall discharge from a WWTP via submarine emissary	Sánchez-Avila et al. (2013)

Peñarrubia	0.0043 ± 0.003 (n = 2)		Outfall discharge from a WWTP via submarine emissary	
Berria	0.028 ± 0.016 (n = 2)		Outfall discharge from land runoff. No identified pressures/impacts (theoretical reference site)	
San Vicente de la Barqueira	0.018 ± 0.010 (n = 2)		Diffuse contamination; dredging; fishing harbor; recreational activities	
Urdaibai	0.020 ± 0.026 (n = 2)		Diffuse contamination; combined sewer overflows; dredging; shipyards; fishing harbor; recreational activities	
Plenzia	0.385 ± 0.131 (n = 2)		Diffuse contamination; combined sewer overflows; recreational activities	

Pasaia harbor	0.744 ± 0.044 (n = 2)		Group B - coastal areas and estuarine waters with high identified pressures/impacts Combined sewer overflows; industrial/harbor activities (i.e. metallurgical loading/unloading); fishing harbor; diffuse contamination	
Arriluce harbor	0.580 ± 0.101 (n = 2)		Marina harbor, boat maintenance, petrol station spills Industrial/harbor activities; combined sewer overflows	
Santander harbor	0.081		Group C – areas which receive urban and industrial wastewater Industrial effluents (storm drainage, cooling system,	

			factory treatment plant); combined sewed overflows, historical contamination (i.e. heavy metals)	
Industry discharge	0.127 ± 0.073 (n = 2)		WWTP effluent discharge	
WWTP discharge	5.999 ± 1.122 (n = 2)			
Sweden			Analysis: GC-MS	SWECO (2009a)
Askö (coastal)	0.05*	2007-12-11	Anthropogenic influence: Diffuse	
	0.05*	2008-01-23		
	0.05*	2008-02-12		
	0.05*	2008-03-26		
	0.05*	2008-04-22		
	0.05*	2008-05-22		
	0.05*	2008-06-01		
	0.66	2008-07-15		

	0.11	2008-08-12		
	0.05*	2008-09-11		
	0.05*	2008-10-07		
	0.05*	2008-11-29		
Fladen	0.13	2007-12-12	Anthropogenic influence: Low	
	0.05*	2008-01-15		
	0.05*	2008-02-19		
	0.05*	2008-03-19		
	0.05*	2008-04-15		
	0.05*	2008-05-13		
	0.05*	2008-06-14		
	0.05*	2008-07-08		
	0.16	2008-08-19		
	0.05*	2008-09-16		
	0.05*	2008-10-08		
	0.05*	2008-11-29		
Gaviksfjärden (coastal)	0.05*	2007-11-05	Anthropogenic influence: Low, regional background	
	0.05*	2007-12-03		
	0.05*	2008-01-15		
	0.15	2008-02-11		
	0.05*	2008-03-24		
	0.05*	2008-04-21		
	0.05*	2008-05-19		
	0.53	2008-06-01		

	0.11	2008-07-30		
	0.05*	2008-08-25		
	0.05*	2008-09-24		
	0.05*	2008-10-21		
Hasslö (arcipelago)	0.05*	2007-12-18	Anthropogenic influence: Diffuse, urban background	
	0.05*	2008-01-16		
	0.15	2008-02-20		
	0.05*	2008-03-26		
	0.12	2008-04-16		
	0.05*	2008-05-20		
	0.05*	2008-06-23		
	0.29	2008-07-16		
	0.29	2008-08-25		
	0.05*	2008-09-25		
	0.05*	2008-10-16		
	0.05*	2008-11-17		
Rånefjärden (coastal)	0.20	2007-11-05	Anthropogenic influence: Low, regional background	
	0.05*	2007-12-05		
	0.21	2008-02-12		
	0.17	2008-03-12		
	0.05*	2008-04-23		
	0.14	2008-05-21		
	1.50	2008-06-11		
	0.10	2008-07-30		

Skagerack	0.24	2008-08-27	Anthropogenic influence: Low	
	0.05*	2008-09-25		
	0.05*	2008-11-05		
	0.05*	2008-12-03		
	0.05*	2007-12-13		
	0.05*	2008-01-14		
	0.05*	2008-02-18		
	0.05*	2008-03-20		
	0.05*	2008-04-14		
	0.05*	2008-05-12		
	0.19	2008-06-09		
	0.05*	2008-07-28		
	0.05*	2008-08-18		
	0.05*	2008-09-15		
	0.05*	2008-10-09		
Öresund	0.05*	2008-11-07	Anthropogenic influence: Diffuse, boat traffic	
	0.05*	2007-12-13		
	0.05*	2008-01-16		
	0.05*	2008-02-13		
	0.05*	2008-03-12		
	0.05*	2008-04-16		
	0.05*	2008-05-15		
	0.28	2008-06-12		
	0.23	2008-07-16		

	0.12 0.05* 0.05* 0.05*	2008-08-13 2008-09-17 2008-10-15 2008-11-12		
Karlholmfjärden, Uppsala Karlholmsfjärden (Lötfjärden), Uppsala Lövstabukten, Uppsala Kallrigafjärden, Uppsala Ängsfjärden (Northern part), Uppsala Galtfjärden, Uppsala Östhammarfjärden, Uppsala	0.05* 0.05* 0.05* 0.05* 0.05* 0.05* 0.05*	2009-06-10, 2009-06-11, 2009-06-23, 2009-06-24	Analysis: GC-MS	SWECO (2009c)

Hargsviken, Uppsala	0.05*			
Skutskärsfjärden (Western part), Uppsala	0.05*			
Skutskärsfjärden (Eastern part), Uppsala	0.05*			
Marsviken	0.05*			
Furöområdet	0.05*			
Ålöfjärden	0.05*			
Stadsfjärden	0.05*			
Sjösafjärden	0.05*			
Trosafjädern	0.05*			
Tvären	0.05*			
Risöområdet	0.05*			
Fågelöfjärden	0.05*			

Gunnarbofjärden	0.05*			
Strömmen, Stockholm Blockhusudden	0.05*			
Askrikefjärden	0.05*			
Trälhavet, Stockholm Trälhavet II	0.05*			
Mysingen, Stockholm Mysingen, outside of ARV(1)	0.05*			
Himmerfjärden, Stockholm Himmerfjärden H5	0.05*			
Norrtäljeviken, Norrtäljeviken 6	0.05*			
Edsboviken, Stockholm Edeboviken H	0.05*			
Lilla Värtan, Stockholm Fjäderholmarna	0.05*			
Hallsfjorden, Stockholm Igelstaviken, railroad bridge	0.05*			

Norra Vaxholmsfjärden, Stockholm Norra Vaxholmsfjärden, Blynäs	0.05*			
Stora Värtan, Stockholm Hägernäsviken	0.05*			
Askrikefjärden, Stockholm Askrikefjärden	0.05*			
Edsviken, Stockholm Edsviken Landsnora	0.05*			
Brunnsviken, Stockholm Brunnsviken	0.05*			
Lilla Värtan, Stockholm Värtahamnen	0.05*			
Skurusundet, Stockholm Lännerstasunden, Fisksätraholmen	0.05*			
Baggenfjärden, Stockholm Farstaviken, Kattholmen	0.05*			

Edeboviken, Stockholm Edeboviken	0.05*			
Strömmen, Stockholm Valdemarsudde (Hamnbassängen)	0.05*			
Norrtäljeviken, Stockholm Norrtäljeviken, Tjuvholmen	0.05*			
Surface run-offs				
Denmark			Analysis: LC IT-MS	COHIBA (2011a)
Shredder Plant			Industrial run-off Discharge: Copenhagen Harbour 4-NP (mix)	
	0.025*	2010-05-15	Run-off north	
	0.025*	2010-05-15	Run-off south	
Copenhagen			Storm water Roads and parking lots	

Copenhagen	0.19 0.19 0.025* 0.025*	2009-11-06 2010-06-07 2010-06-07 2010-05-30	Filter treatment of run-offs Inlet Outlet Storm water Paved areas in an industrial area	
Estonia	0.23 0.05*	2010-03 2010-05	Analysis: LC IT-MS Storm water 20 m from the shoreline, Gulf of Finland 4-NP (mix)	COHIBA (2011b)
Finland Porolahti creek	0.38 0.25	2009-10 2010-04	Analysis: LC IT-MS Storm water 4-NP (mix)	COHIBA (2011c)
Germany Wismar	0.17	2009-11	Analysis: LC IT-MS Storm water 4-NP (mix)	COHIBA (2011d)

	0.05*	2010-08		
Norway			Analysis: GC-MS	Nordic Council of Ministers (2008)
<u>Lier</u>			Surface point source	
St. 1	0.0075*	2006-10-27	NP-mix[§]	
St. 2	0.0075*	2006-10-27	Surface point source NP-mix[§]	
Latvia			Analysis: LC IT-MS	COHIBA (2011e)
Riga, urban area			Storm water	
	2.6	2009-09	4-NP (mix)	
Lithuania			Analysis: LC IT-MS	COHIBA (2011f)
Klaipėda			Storm water	
	0.19	2009-11	4-NP (mix)	
	0.05*	2010-06		
Poland			Analysis: LC IT-MS	COHIBA (2011g)
Szczecin and Swinoujscie Seaport			Storm water 5 different sampling points pooled together Discharge: Sczczecin Lagoon 4-NP (mix)	

	0.42 0.29	2009-12 2010-10		
Sweden			Analysis: GC-MS	Nordic Council of Ministers (2008)
<u>Stockholm</u>,				
			Storm water point source,	
Båtbyggargatan	0.272	2006-12-06	NP-mix§	
Lugnets Allé	0.235	2006-12-06	NP-mix§	
Sveavägen	0.359	2006-12-06	NP-mix§	
Styrmansgatan	0.186	2006-12-06	NP-mix§	
			Storm water diffuse source	
Lill-Jansskogen	0.010*	2006-12-06	NP-mix§	
Årstafältet	0.0418	2006-12-06	NP-mix§	
			Surface point source	
Hammarby Sjöstad	0.0075*	2006-12-06	NP-mix§	
Riddarfjärden	0.0075*	2006-12-06	NP-mix§	

Stora Essingen	0.0454	2006-12-06	Surface diffuse source NP-mix§	
Stockholm 0.12 2.0		2009-11 2010-06	Analysis: LC IT-MS Storm water Traffic related area Discharge: Lake Mälaren, Årstaviken 4-NP (mix)	COHIBA (2011h)

*Half detection limit

**Estimate, outside calibration range

***BPA used for estimating recovery

§Various nonylphenol isomers

Table 2 Measured nonylphenol concentrations in European sediments.

Location	Concentration (mg NP/kg dw)	Period	Remark	Reference
Freshwater sediment				
Denmark Small river (Copenhagen)			Analysis: LC IT-MS Small river with several upstream urban run-offs and combined sewer overflows	COHIBA (2011a)

	0.30*	2010-06-29	Discharge: South of Copenhagen Harbour 4-NP (mix)	
Norway Hamar, Mjøsa Vansjø, Vanemfjord	0.0434 0.0214	2006-10-25 2006-10-19	Analysis: GC-MS Recipient environment DW (%): 10.0 NP-mix** Recipient environment DW (%): 20.1 NP-mix**	Nordic Council of Ministers (2008)
Sweden Västmanland, Övre Skärsjön Skåne, Krageholmssjön	0.0543 0.249	2006-12-05 2006-11-23	Analysis: GC-MS Background environment DW (%): 15.6 NP-mix** Background environment DW (%): 11.1 NP-mix**	Nordic Council of Ministers (2008)
			Analysis: GC-MS	SWECO (2009a)

Abiskojaure (lake)	0.064	2008-09-15	Anthropogenic influence: Background	
Storsjön (lake)	0.005*	2008-09-22	Anthropogenic influence: Urban	
Älvkarleby	0.005*	2008-11-12	Anthropogenic influence: Diffuse	
Stora Envättern	0.005*	2008-11-08	Anthropogenic influence: Regional background	
Hjulstafjärden	0.005*	2008-11-13	Anthropogenic influence: Urban background	
Vänerns inlopp utanför Karlstad	0.06	2008-09-22	Anthropogenic influence: Point source	
Vätterns utlopp i Motala Ström	0.036	2008-09-25	Anthropogenic influence: Urban background	
Göta Älv	0.35	2008-09-25	Anthropogenic influence: Urban background	

Brackish and marine water sediment				
Denmark			Analysis: GC-MS	Nordic Council of Ministers (2008)
Kattegat, St.905	0.0092	2006-09-21	Background environment DW (%): 37.5 NP-mix**	
Copenhagen, Øresund	0.00175*§	2006-10-04	Recipient environment DW (%): 82.1 NP-mix**	
Roskilde, Roskilde Fjord	0.0856	2006-11-14	Recipient environment DW (%): 15.9 NP-mix**	
Faroe Islands, Klaksvik, Pollurin	0.0015	2006-06-15	Recipient environment DW (%): 46.1 NP-mix**	
Faroe Islands, Götuvik, Bekkafrost	0.00136	2006-06-15	Recipient environment DW (%): 59.3 NP-mix**	
Faroe Islands, Torshavn, Harbour				

	0.340	2007-01-12	Recipient environment DW (%): 32.5 NP-mix**	
			Analysis: LC IT-MS	COHIBA (2011a)
Copenhagen harbour	0.30*	2010-06-29	CSO in Harbour (middle)	
	0.70	2010-06-29	CSO in Harbour (south)	
The Sound	0.30*	2010-06-29	Reference sample	
Finland			Analysis: GC-MS	Nordic Council of Ministers (2008)
Espo, coastal sea (Baltic Sea)	0.440	2006-10-03	Recipient environment DW (%): 4.8 NP-mix**	
Helsinki, City bay	0.390	2006-10-03	Recipient environment DW (%): 38.2 NP-mix**	
Norway			Analysis: GC-MS	Nordic Council of Ministers (2008)
Oslo Fjord, St.360			Background environment	

	0.0237	2006-06-14	DW (%): 33.9 NP-mix**	
Tromsø, St.42	0.00175*§	2006-08-30	Background environment DW (%): 33.9 NP-mix**	
Varangerfjorde, St.10	0.00175*§	2006-09-07	Background environment DW (%): 33.9 NP-mix**	
Oslo, Oslo Fjord - inner	0.00175*§	2006-10-25	Recipient environment DW (%): 33.9 NP-mix**	
Sweden			Analysis: GC-MS	Nordic Council of Ministers (2008)
Stockholm, Stora Essingen	0.449	2006-12-05	Recipient environment DW (%): 17.8 NP-mix**	
Stockholm, Årstaviken	0.390	2006-12-05	Recipient environment DW (%): 13.5 NP-mix**	

Stockholm, Hammarby Sjöstad	0.485	2006-12-05	Recipient environment DW (%): 26.2 NP-mix**	
Stockholm, Riddarfjärden	0.257	2006-12-05	Recipient environment DW (%): 33.5 NP-mix*	
			Analysis: GC-MS	SWECO (2009a)
Råne fjärden	0.005*	2008-11-05	Anthropogenic influence: Regional background	
Askö	0.005*	2008-09-18	Anthropogenic influence: Diffuse	
Öresund	0.012	2008-09-17	Anthropogenic influence: Diffuse	
Hasslö	0.017	2008-09-25	Anthropogenic influence: Urban background	

*Half detection limit

**Various nonylphenol isomers

[§]All data have been determined on the basis of wet wet weight (ww) and subsequently converted to dry weight (dw) basis using reported dry weight (DW %) values. The detection limit of 0.0035 (NP-mix) has not been converted to dry weight basis.

Table 3 Measured nonylphenol concentrations in samples from WWTP influent and effluent water, suspended particles/solids and sludge within the EU and Norway.

Location	Concentration	Period	Remark	Reference
Water (µg NP/L)				
Austria	0.4	2010-2012	90P concentration in WWTP effluents covering ca. 260 urban and industrial WWTPs	BMLFUW (2014)
Denmark			Analysis: GC-MS	Nordic Council of Ministers (2008)
Copenhagen, Lynetten			750 000 peq NP-mix*	
	3.55**	2007-10-17	Influent water	
	0.116		Effluent water	
Roskilde, WWTP Bjørgmarken			50 000 peq NP-mix*	
	0.0075*		Effluent water	
	0.0513	2006-11-13	Effluent water	
		2007-02-15	Relatively small NP-mix*	
Faroe Island, Torshavn, Hospitalet	0.923		Influent water	
	2.173**		Effluent water	
		2006-		

Faroe Island, Torshavn, WWTP Sersjantvikin	0.969 0.169	11-12 2006-12-29	Relatively small, mostly domestic waste NP-mix* Influent water Effluent water	
Municipal WWTP 1 Municipal WWTP 2	2.7 0.005* 0.005* 0.29 0.025*	2009-09-15 - 22 2009-09-15 - 22 2009-09-15 - 22 2009-09-15 - 22 2010-	Analysis: LC IT-MS 750 000 peq Discharge: Sound outside of the Copenhagen Harbour approx 1.5 km from the coast line 4-NP (mix) Influent water Effluent water Effluent water Effluent water Bypass 350 000 peq Discharge: Sound outside of the Copenhagen Harbour approx 1.5 km from the coast line 4-NP (mix) Influent water Effluent water	COHIBA (2011a)

		05-12	Effluent water	
			Effluent water	
			Bypass	
	9		After treatment technology (floc formation and settling plus activated carbon) tested on the effluent	
	0.22			
	0.05*		4-NP (mix)	
	0.32		Influent water	
	0.025*		Effluent water	
		2009-09-21 - 26	Influent water	
			Effluent water	
		2009-09-21 - 26	Waste Incineration Plant	
		2009-09-21 - 26	Industrial wastewater from cleaning of the plant and cooling of slag	
			Discharge: Copenhagen Harbour	
	0.22	2009-09-21 - 26	4-NP (mix)	
	0.16		Outlet from slag pool, 48 h sample	
	0.05*	2010-05-12	Grab sample	
	0.12			
			Power Plant	
Industrial WWTP 1			Industrial wastewater	
			4-NP (mix)	
			Internal WWTP, outlet	

Industrial WWTP 2			Internal WWTP, outlet	
		2009-11-11 - 13	Discharge: MWWTP 1	
		2009-11-11 - 13	Neutralisation/ sedimentation	
	0.05*		Discharge: Copenhagen Harbour	
	0.14	2009-11-17 - 19	Sedimentation	
		2009-11-17 – 19	Cooling water conc.	
			Hospital	
			Discharge: MWWTP 1	
			4-NP (mix)	
			Outlet	
	0.05*			
	0.025*		Gas works site	
			Discharge: MWWTP 1 (possible leaching to Copenhagen harbour)	
			4-NP (mix)	
	0.23		Internal WWTP, outlet	
			Borehole K6	
		2009-08-26 – 28		
	0.025*		Large CSO located in the southern end of Copenhagen Harbour	
	0.05*	2010-04-22		
	0.025*		Discharge: Copenhagen Harbour	

			4-NP (mix) Outlet	
Industrial WWTP 3	0.025*			
			Large CSO located in the northern end of Copenhagen Harbour Discharge: Copenhagen Harbour	
		2009-11-11 – 13 2010-03-22	4-NP (mix) Inlet	
Industrial WWTP 4			Outlet	
	0.05* 0.05*			
		2009-11-11 – 13, 2009-11-25 – 26, 2009-11-27 – 2009-12-1		
Combined sewer overflow				
	0.05* 0.51	2009-11-12, 2009-11-25 2010-03-18		

	0.39 0.22 0.23	2010-05-21 2009-09-03 2010-03-15 2009-10-03 2010-06-07		

		2010-06-07 2010-11-23 2010-11-23		
Estonia Municipal WWTP 1 Municipal	0.05* 0.33 0.54 0.42 0.05* 0.25	2009-09 2009-11 2010-01 2010-04 2010-06 2010-	Analysis: GC-MS after acylation 223 333 peq Discharge: Deep-sea outlet, Gulf of Finland Effluent water 4-NP (mix) 140 00 peq Discharge: River, 12 km from shoreline, Gulf of Finland	COHIBA (2011b)

WWTP 2		08	Effluent water 4-NP (mix)	
	0.52			
	0.20			
	0.29			
	0.23			
	0.24	2009-09		
	0.25		15 217 peq	
		2009-11	Discharge: River, 18 km from shoreline, Gulf of Finland	
		2010-01	Effluent water	
Municipal WWTP 3		2010-04	4-NP (mix)	
		2010-06		
		2010-08		
	0.75			
	0.47			
	1.75			
	2.62		10 000 peq	
	0.64		Discharge: Gulf of Finland	
	1.12		Effluent water	
			4-NP (mix)	
		2009-		

		09		
Municipal WWTP 4a	0.22 0.26 0.38	2009-11 2010-01 2010-04 2010-06 2010-08	15 000 peq Discharge: Deep-sea outlet, Gulf of Finland Effluent water 4-NP (mix)	
Municipal WWTP 4b	0.73 0.15 0.34	2009-09 2009-11 2010-01		

		2010-04 2010-06 2010-08		
Finland Espoo, Suomenoja Helsinki, Viikinmäki Pornainen, Pornainen	 3.146** 0.189 5.688** 0.374 0.065	 2006-10-04 2006-10-04 2006-10-04	Analysis: GC-MS 500 000 peq NP-mix* Influent water Effluent water 1000 000 peq NP-mix* Influent water Effluent water <1000 peq NP-mix* Effluent water	Nordic Council of Ministers (2008)
Municipal			Analysis: LC IT-MS 280 000 peq	COHIBA (2011c)

WWTP 1 Municipal WWTP 2 Municipal	0.29 0.17 0.22 1.19 0.28 0.45 0.05* 0.15 0.58 0.63 0.28 0.32	2009-09 2009-11 2010-01 2010-04 2010-06 2010-08 2009-09 2009-11 2010-01 2010-04	Discharge: Harbour near coastline into the Gulf of Finland Effluent water 4-NP (mix) 295 000 peq Discharge: Approx 9 km from coastline into the Gulf of Finland Effluent water 4-NP (mix) 780 000 peq Discharge: Approx 7 km from coastline into the Gulf of Finland Effluent water 4-NP (mix)	

WWTP 3		2010-06		
	0.05*	2010-08		
	0.35			
	0.46			
	0.54		Discharge: Coastline into the Gulf of Finland	
	0.39			
	0.36		Effluent water	
			4-NP (mix)	
		2009-09		
		2009-11		
Industrial WWTP 1		2010-01		
	0.05*			
	0.05*	2010-04		
	0.70			
	0.36	2010-06		
	0.26	2010-08		
	0.23			
		2009-09		
		2009-		

		11 2010-01 2010-04 2010-06 2010-08		
Germany Municipal WWTP 1 Municipal WWTP 2	 1.14 0.25 0.13 0.21 0.22 0.37 2.24 0.15 0.12 0.31 0.15 0.25	 2009-09 2009-11 2010-01 2010-04 2010-06 2010-08 2009-09 2009-11 2010-	Analysis: LC IT-MS Effluent water 4-NP (mix) Effluent water 4-NP (mix)	COHIBA (2011d)

		01	Effluent water	
Industrial WWTP 1	2.11 0.45 0.65 0.31 1.80	2010-04 2010-06 2010-08	4-NP (mix)	
Industrial WWTP 2	1.15 0.18 0.42 0.40 0.05* 0.48	2009-09 2009-11 2010-01 2010-04 2010-08	Effluent water 4-NP (mix)	
		2009-09 2009-11 2010-01 2010-04 2010-06		

		2010-08		
Latvia			Analysis: LC IT-MS	COHIBA (2011e)
Municipal WWTP 1			717 371 peq Effluent water	
	0.36 0.66	2010-06 2010-08	4-NP (mix)	
Municipal WWTP 2			90 000 peq Effluent water	
	0.43 0.41	2010-06 2010-08	4-NP (mix)	
Industrial WWTP 3			Effluent water	
	0.12 0.27	2010-06 2010-08	4-NP (mix)	
Industrial WWTP 4	0.26 0.32		Effluent water 4-NP (mix)	
		2010-06		

		2010-08		
Lithuania			Analysis: LC IT-MS	COHIBA (2011f)
Municipal WWTP 1			21 452 peq Discharge: Tenzė (tributary of river Akmena-Danė – approx 17 km from the Curonian lagoon) Effluent water 4-NP (mix)	
	0.18	2009-09		
	0.19			
	0.75	2009-11		
	0.59	2010-01		
	0.24		20 945 peq Discharge: Šyša (tributary of river Nemunas – approx 12 km from the Curonian lagoon) Effluent water 4-NP (mix)	
	0.16	2010-04		
		2010-06		
Municipal WWTP 2		2010-08		
	0.05*			

Industrial WWTP 1	0.17 0.20 0.46 0.10 0.16 0.05* 0.05* 0.33 0.50 0.05* 0.16	2009-09 2009-11 2010-01 2010-04 2010-06 2010-08	Discharge: Into a MWWTP and then, after treatment Effluent water 4-NP (mix) Discharge: Smiltelė stream (approx 2.5 km from the Curonian lagoon) Effluent water 4-NP (mix)	
Industrial WWTP 2	 0.05* 0.16 0.30 0.37	2009-09 2009-11 2010-01 2010-04 2010-06 2010-		

	0.05* 0.12	08		
Norway Oslo, Bekkelaget Oslo, VEAS	 0.266 0.189 1.108 0.105	 2006-09-06 2006-09-13	Analysis: GC-MS 250 000 peq NP-mix* Influent water Effluent water 500 000 peq NP-mix* Influent water Effluent water	Nordic Council of Ministers (2008)
Poland Municipal WWTP 1	 0.39 0.44 0.21 0.13	 2009-09 2009-11 2010-01	Analysis: LC IT-MS 99 100 peq Discharge: Świna Strait approx 5 km from the coast line into the Baltic Proper Effluent water 4-NP (mix)	COHIBA (2011g)

Municipal WWTP 2	0.44 0.45	2010-04 2010-06 2010-08	573 720 peq Discharge: Bay of Gdańsk approx 2.4 km from the coast line into the Baltic Proper Effluent water 4-NP (mix)	
Municipal WWTP 3	0.76 0.61 0.26 0.27 0.73 0.20	2009-09 2009-11 2010-01 2010-04 2010-06 2010-08	420 000 peq Discharge: Bay of Puck approx 2 km from the coast line into the Baltic Proper Effluent water 4-NP (mix)	
	0.97 0.37 0.30 0.12		– Discharge: Vistula River (Martwa Wisla) Effluent water 4-NP (mix)	

Industrial WWTP 1	0.60 1.33 0.93 0.41 0.41 0.65 **** 0.35	2009-09 2009-11 2010-01 2010-04 2010-06 2010-08		
		2009-09 2009-11 2010-01 2010-04 2010-06 2010-08		

Sweden			Analysis: GC-MS after acylation	COHIBA (2011h)
Municipal WWTP 1			656 000 peq Discharge: Baltic Sea, inner archipelago of Stockholm (Saltsjön) Effluent water 4-NP (mix)	
	0.025* 0.025* 0.025* 0.025* 0.097 0.025*	2009-09 2009-11 2010-01 2010-04 2010-06 2010-08		
Municipal WWTP 2			131 800 peq Discharge: Umeälven Effluent water 4-NP (mix)	
	0.025* 0.025* 0.094 0.10 0.11	2009-		

Municipal WWTP 3	0.025*	09	340 000 peq Discharge: Baltic Sea, inner archipelago of Stockholm (Himmerfjärden) Effluent water 4-NP (mix)	
		2009-11		
		2010-01		
		2010-04		
		2010-06		
	0.025*	2010-08		
	0.025*			
	0.025*			
	0.025*			
	0.087			
	0.025*		Discharge: Baltic Sea, Kalmarsund Effluent water 4-NP (mix)	
Municipal WWTP 4	0.025*	2009-09		
	0.025*	2009-11		
	0.064	2010-01		
	0.055	2010-04		
	0.051	2010-06		
	0.077	2010-08		

		2009-09 2009-11 2010-01 2010-04 2010-06 2010-08		
United Kingdom 162 WWTPs from England, Scotland and Wales 28 (out of	 0.15 0.20 0.29 0.37 0.23 3238		Analysis: GC-MS **Effluents** 25P Median 75P 90P Arithmetic mean Total number of samples	UK Environment Agency 2013c

162) selected WWTPs			**Influents**	
	2.1		25P	
	3.0		Median	
	3.8		75P	
	6.0		90P	
	3500		Total number of samples (approx.)	
Particulate phase/Sludge (mg NP/kg dw)				
Denmark			Analysis: GC-MS	Nordic Council of Ministers (2008)
Copenhagen, Lynetten	4.878**	2007-10-17	750 000 peq DW (%): 20.3 NP-mix*	
Roskilde, Bjørg	3.658**		50 000 peq DW (%): 28.4 NP-mix*	
Faroe	1.46**	2007-02-15	Relatively small DW (%): 13.7 NP-mix*	

Island, Torshavn, Hospital Faroe Island, Torshavn, Sersjantvikin	2.388**	2007-01-12 2006-12-29	Relatively small, mostly domestic waste DW (%): 18.0 NP-mix*	
Municipal WWTP 1 (Lynetten) Municipal WWTP 2 (Damhusåen)	8.6 6.1	2009-09-14 2010-02-09	Analysis: LC IT-MS 750 000 peq Discharge: Sound outside of the Copenhagen Harbour approx 1.5 km from the coast line 4-NP (mix) 350 000 peq Discharge: Sound outside of the Copenhagen Harbour approx 1.5 km from the coast line 4-NP (mix)	COHIBA (2011a)

Industrial WWTP 1	2.3 1.8 <0.60	2009-09-21 2010-02-09	Waste Incineration Plant Sediment	
Estonia Municipal WWTP 1	3.88	2010-01	Analysis: LC IT-MS 223 333 peq Discharge: Deep-sea outlet, Gulf of Finland Sludge 4-NP (mix) 15 217 peq Discharge: River, 18 km from shoreline,	COHIBA (2011b)

Municipal WWTP 3	24.2 2.01	2010-01 2010-06	Gulf of Finland 4-NP (mix)	
Finland			Analysis: GC-MS	Nordic Council of Ministers (2008)
Espo, Suomenoja	28.360**	2006-10-04	500 000 peq DW (%): 13.5 NP-mix*	
Helsinki, Viikinmäki	14.583**	2006-10-04	1000 000 peq DW (%): 49.9 NP-mix*	
Pornainen, Pornainen	8.932**	2006-	1000 peq DW (%): 15.0 NP-mix*	

		10-04		
Germany Municipal WWTP 1 Municipal WWTP 2	 2.7 2.23 3.04	 2010-01 2010-06 2010-01	Analysis: LC IT-MS Effluent water 4-NP (mix) 4-NP (mix)	COHIBA (2011c)
Latvia Municipal WWTP 1 Municipal WWTP 2	 10.52 15.02 0.89 0.95	 2010-06 2010-08 2010-06 2010-	Analysis: LC IT-MS 717 371 peq 4-NP (mix) 90 000 peq 4-NP (mix)	COHIBA (2011d)

		08		
Lithuania Municipal WWTP 2	4.28 0.95	2010-01 2010-06	Analysis: LC IT-MS 21 452 peq Discharge: Tenzė (tributary of river Akmena-Danė – approx 17 km from the Curonian lagoon) 4-NP (mix)	COHIBA (2011e)
Norway Bekkelaget Oslo, VEAS	3.556** 4.078** 1.46**	2006-09-07 2006-09-07	Analysis: GC-MS 250 000 peq DW (%): 4.3 Wet sludge from inlet NP-mix* DW (%): 88.2 Stabilized dry sludge from the outlet NP-mix* 500 000 peq DW (%): 58.2 Wet sludge from outlet NP-mix*	Nordic Council of Ministers (2008)

	3.005**	2006-09-13 2006-09-13	DW (%): 6.2 Stabilized dry sludge from outlet NP-mix*	
Poland Municipal WWTP 2	15.9 36.77	2010-01 2010-06	Analysis: LC IT-MS 573 720 peq Discharge: Bay of Gdańsk approx 2.4 km from the coast line into the Baltic Proper 4-NP (mix)	COHIBA (2011g)
Sweden			Analysis: GC-MS	Nordic Council of Ministers

Stockholm, Henriksdal Stockholm, Hammarby Sjöstad	7.570** 14.328**	2006-10-18 2006-10-18	750 000 peq DW (%): 15.0 NP-mix* 15 000 peq, mainly domestic waste DW (%): 13.5 NP-mix*	(2008)
Municipal WWTPs in Södermanland County	120 (22-350, 5) 64.5 (17-215, 10) 35 (20-158, 11) 23 (8-128, 11) 31.5 (4-120, 10) 22 (7-51, 10) 22.5 (3-53, 10) 13 (3-33, 11)	1991 1992 1993 1994 1995 1996 1997	Analysis: Median (min – max, n)	Länsstyrelsen Södermanlands län (2010)

	16 (2-32, 11) 10 (2-23, 11) 12 (2-24, 11) 14 (2-28, 11) 14 (2-30, 11) 8.5 (2-22, 12) 8.5 (2-29, 12) 6.5 (3-22, 10) 5 (2-17, 11) 5 (1-13, 11) 6 (3-15, 11)	1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009		
Göteborg, Ryaverket	28 21 23 16 15 12	2003 2004 2005 200	825 000 peq Mean values	Gryaab (2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011)

	11 14 14	6 2007 2008 2009 2010 2011		
Stockholm, Bromma WWTP	140 76 79 62 59 63 26 17 17 32 27 30 23 23 23 24	1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	310 000 peq Mean values	Stockholms stad (2012)

Stockholm, Henriksdal WWTP	20 18 16 20 14 150 99 94 62 76 62 30 17 23 24 26 24 23 20 21 22 16 16 15 15	2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 1991 1992 1993 1994 199	750 000 peq Mean values	

	11	5 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 201		

		1		
Helsingborg, Öresundsverket	46 23 16 18 18 18 18 13 11 9.5	1995 2000 2003 2004 2005 2006 2007 2008 2009 2010	130 000 peq Mean values	Helsingborg stad (2012)
Municipal WWTP 2		2010-01 2010-06	Analysis: GC-MS after acylation 340 000 peq Discharge: Baltic Sea, inner archipelago of Stockholm (Himmerfjärden) Effluent water 4-NP (mix)	COHIBA (2011h)

	6.5 9.7			
United Kingdom 28 (out of 162 from England, Scotland and Wales) selected WWTPs	2.3 3.8 5.8 8.5 4.4 250		Analysis: GC-MS **Sludge** 25P Median 75P 90P Arithmetic mean Total number of samples	UK Environment Agency 2013c

*Various nonylphenol isomers

**Estimate, outside calibration range

***High uncertainty due to low recovery

****Very low recovery

N/A: Not available

Table 4 Measured nonylphenol concentrations in samples from landfill within the EU and Norway.

Location	Concentration	Period	Remark	Reference
Water (NP µg/L)				
Denmark Faroe Island, Torshavn, Husahagi	 0.0272	 2006-12-29	Analysis: GC-MS NP-mix** Effluent water	Nordic Council of Ministers (2008)
Landfill	 1.7 1.39	 2009-10 2010-06	Analysis:LC IT-MS 4-NP (mix) Effluent water	COHIBA (2011a)
Waste deposit 1 Waste deposit 2	 0.05* 0.025*	 2009-08-24 2010-03-10	Analysis: LC IT-MS Industrial waste Discharge: MWWTP 2 4-NP (mix) Industrial and	COHIBA (2011a)

			public waste Discharge: Secondary groundwater – possible leaching to Copenhagen Harbour 4-NP (mix) Borehole 1 Borehole 2	
	0.05* 0.025 0.33	2009-10-19 2010-05-25 2010-05-25		
Estonia Landfill	0.99 0.39	2009-10 2010-06	Analysis:LC IT-MS 4-NP Effluent water	COHIBA (2011b)
Finland Espoo, Ämmässuo	16.997***	2006-10-04	Analysis: GC-MS NP-mix** Effluent water	Nordic Council of Ministers (2008)
Landfill	1.7 1.39	2009-10 2010-06	Analysis:LC IT-MS 4-NP Effluent water	COHIBA (2011c)
Germany Landfill			Analysis:LC IT-MS	COHIBA (2011d)

	0.10 0.05*	2009-11 2010-08	4-NP Effluent water	
Latvia Landfill	 0.05*		Analysis: LC IT-MS Discharge: River Daugava 4-NP (mix)	COHIBA (2011e)
Lithuania Landfill	 0.23 0.20	 2009-11 2010-06	Analysis: LC IT-MS Discharge: Drainage channel – approx 9 km from the Curonian lagoon 4-NP (mix)	COHIBA (2011f)
Poland Landfill	 15 15	 2009-12 2010-10	Analysis: LC IT-MS Pooled samples taken from two different walls Discharge: Return to Municipal WWTP 4-NP (mix)	COHIBA (2011g)
Sweden			Analysis: GC-MS after acylation	COHIBA (2011h)

Landfill	0.24 0.20	2009-11 2010-06	4-NP (mix)	
Soil (mg NP/kg dw)				
Denmark			Analysis: GS MS	Nordic Council of Ministers (2008)
Faroe Islands, Húsahagi	0.047	2006-12-29	DW (%): 44.2 NP-mix**	
Faroe Islands, Havnadalur	0.002*	2006-12-29	Old waste deposit DW (%): 44.2 NP-mix**	
Waste deposit 2	0.03*	2009-10-14	Analysis: LC IT-MS Industrial and public waste N-NP (mix)	COHIBA (2011a)

*Half DL

**Various nonylphenol isomers

**Estimate, outside calibration range

Annex 9 - Questionnaire concerning feasibility issues in an EU-wide restriction on NPE in textile articles

Kemikalieinspektionen
Swedish Chemicals Agency

2012-10-19

The Swedish Chemicals Agency is preparing a proposal for an EU-wide restriction on nonylphenol (NP) and nonylphenol ethoxylates (NPE) in textile articles within the REACH regulation. More information on the restriction process under REACH can be found at the ECHA website (http://echa.europa.eu/sv/support/restriction).

The use of nonylphenol and nonylphenol ethoxylates is already prohibited within the EU, with the exception of a few use areas. We are concerned about these substances since NPE may transform to NP in the environment where the substance has low degradability. NP is very toxic to aquatic organisms and may cause harmful long-term effects in the aquatic environment. In addition, nonylphenol has suspected hormone-disrupting properties.

The Swedish Chemicals Agency is in need of feed-back on the appropriate wording of the restriction to be proposed. In particular we are investigating issues related to technical and economic feasibility of a possible restriction on NPE in textiles, such as; the definition of textile articles, the scope of the restriction and a feasible concentration limit value for NPE within a suggested transitional period.

We would very much appreciate if you have the opportunity to answer the questions below. Please indicate if you have any confidentiality claims with regards to particular information provided in your response. **Please provide your response to Inger Cederberg, Inger.Cederberg@kemi.se, +46 (0)8 519 41 447, no later than 7 November 2012**.

In order for us to validate the responses given to the questionnaire, we kindly ask you to provide:

The name of your organisation:

Your name and title:

Questions:

Definition of textile articles

The term “Textiles” is very wide and in the restriction to be proposed it is necessary to define what kinds of textiles that are covered. In order to facilitate the interpretation and the practical application, the restriction to be proposed includes a definition of the term “textile articles” as meaning textile articles defined in article 3.1 a-f of the REGULATION (EU) No 1007/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 September 2011 on textile fibre names and related labelling and marking of the fibre composition of textile products
(see http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:272:0001:0064:en:pdf).

- *Is this definition of textiles from the above mentioned directive suitable to use in a restriction on chemicals in textiles?*

Your response (please motivate):

The scope of the proposed restriction

The main release of NPE from textiles to the environment in the EU is by washing in water. The restriction to be proposed will therefore only apply to textiles that “**can be washed in water**”. The restriction will therefore not affect suppliers of textiles that are not washable in water.

- Is it appropriate to define the scope of the restriction to only include textiles that “can be washed in water”?

Your response (please motivate):

- Could you name some types (if any) of “technical textiles” (according to your own understanding of this term) that can be washed in water and which would therefore be covered by the suggested scope?

Your response (please motivate):

Concentration limit and transition period

There is a need to balance the reduction of the discharge of NP/NPE to the environment against a practical application of the restriction in terms of technical and economic feasibility. In order to balance the need for a reduction of the discharge of NP/NPE to the environment and to ensure a margin between intentionally (when NPE is used with a purpose in the textile manufacturing process) and unintentionally (when NPE is not used with a purpose in the textile manufacturing process but is yet detected as a contaminant in the textile) added NP/NPE to the textile, the limit value of 20 mg NPE/kg textile is proposed.

A transitional period is needed for enabling the market to adjust in terms of possibility to deal with textile articles in existing stocks, inform and educate EU-suppliers as well as non EU-suppliers about the regulation, and other needs for adaptation. It is here assumed that any transitional period for a restriction would start in the year 2015.

- If the aim is to stop all intentional use of NPE in the manufacturing of textiles destined for the EU market, do you believe that 20 mg NPE/kg textile is a suitable limit value, to be achieved in a 5 year transitional period*?*

Your response (please motivate):

- If your response to the above question is NO, what other limit value do you consider to be technically and economically feasible in a five years transitional *period?*

Your response (please motivate):

- According to your experience and considering that the restriction to be proposed would be EU-wide, how would a transitional period of three years instead of five years be to achieve a limit value of 20 mg NPE/kg textile compare in terms of feasibility for actors in the textile supply chain?

Your response (please motivate):

- *Please feel free to also comment on other issues regarding the restriction to be proposed.*

Annex 10 - Send list - Questionnaire concerning feasibility issues in an EU-wide restriction on NPE in textile articles

Organisation	**E-mail adress**
Fédération Belge de l'Industrie Textile, du Bois et de l'Ameublement - FEDUSTRIA	info@fedustria.be
CREAMODA – Belgian fashion	info@creamoda.be
Federazione Tessile Moda – SMI - Sistema Moda Italia	info@sistemamodaitalia.it
ssociaçao Têxtil e Vestuàrio de Portugal - ATP	atp@atp.pt
TEKO, Sveriges Textil- och Modeföretag	Henrik.willers@teko.se
Textilimportörerna	eva.ranner@textileimporters.se
Turkish Clothing Manufacturers'Association	tgsd@tgsd.org.tr
International Association of Users of Artificial and Synthetic Filament Yarns and of Natural Silk - AIUFFASS	pierre.vanmol@fedustria.be
European Linen and Hemp Confederation - C.E.L.C.	celc.sg@wanadoo.fr
European Man-made Fibres Association - CIRFS	info@cirfs.org
European Association for Textile Polyolefins - EATP	info@eatp.org
International Association Serving the Nonwovens & Related Industries - EDANA	info@edana.org
European Federation of the Cotton and Allied Textiles Industries - EUROCOTON	michele.anselme@eurocoton.org
Textil- und modeindustrie, Germany	M.Kohla@textil-bekleidung.de
Textile forum	info@ukft.org
TEGEWA	vschroeder@VCI.de

CEPAD	CDE@cefic.be
FESI	The Federation of the European Sporting Goods Industry

Companies	
IKEA - Sweden	Anna.tormalm@ikea.com
IKEA - Sweden	annelie.linhed@ikea.com
Hemtex	lina.nyqvist@hemtex.se
Lindex	Agneta.Hall@lindex.com
Indiska	rose-marie.latif@indiska.se
KappAhl	Petra.pettersson@kappahl.com
Haglöfs	lennart.ekberg@haglofs.se
Houdini sportswear	Mia.tapio@houdinisportswear.com
Blåkläder	Linda.Karlsson@blaklader.com
Analytical laboratories	
Bureauveritas	joerg.ruhkamp@de.bureauveritas.com
Intertek	olga.matzen@intertek.com
Eurofins	Torbjorn.Synnerdahl@eurofins.se
ALS	kent.utterstrom@alsglobal.com

Contact network	
Roadmaptozero	info@roadmaptozero.com
Greenpeace corporate dialogue	Martin.Besieux@greenpeace.org
H&M	Karin.Ostberg@hm.com
Afirm	Info@afirm-group.com

Annex 11 – Risk reduction capacity and cost effectiveness calculations

Scenario analysis of risk reduction capacity and costs

The risk reduction capacity and the costs of the proposed restriction have been estimated in different scenarios to give an indication of the sensitivity of the results to the input values chosen.

The input values used in the estimation of risk reduction capacity and costs in the 'middle case scenario' are given in the table below. The column to the right indicates which input values that are subject to sensitivity analysis ('high effect – low cost scenario' and 'low effect – high cost scenario'). In the sensitivity analysis, high (low) effect scenarios are characterized by e.g. higher (lower) initial NPE concentrations in textiles, higher (lower) expected growth in textile consumption, lower (higher) improvements in reduction efficiency and connection rate in WWTPs (which makes the restriction more effective since it implies source control). Low (high) cost scenarios are characterized by e.g. lower (higher) expected test frequencies, lower (higher) cost per test, lower (higher) share of textiles assumed to be intentionally produced with NPEs and hence to be tested for NPE, lower (higher) discount rate, longer (shorter) amortization period for one off testing costs, lower (higher) surfactant input in textile manufacturing etc. The column to the right in the table shows whish alternative values that have been used in the sensitivity analysis.

Table 5 Input values in sensitivity analysis of effectiveness and costs of the proposed restriction

Relates to	Input value	Type of value	Comment	Alternative value in scenario analysis
Emissions	**0.37**	Share of "other uses"	Assumed reduction in "other sources" in baseline scenario. Share assumed to be phased out until 2015.	No
Emissions	**0.975**	Share of NPE reduced in WWTP in 2010	WWTP NPE reduction efficiency	No
Emissions	**0.82**	Share of EU population connected to WWTP in	WWTP connection rate	No

		2010		
Emissions	**0.025**	Share of NPnE -> NP in the environment	Worst case scenario NPnE -> NP in the environment	No
Emissions	**0.005**	Total improvement WWTP efficiency 2010-2015	Assumed improvement in WWTP NPE reduction efficiency (added to reduction efficiency in base year 2010)	Yes +/- 50%
Emissions	**0.05**	Total improvement WWTP connection2010-2015	Assumed improvement in WWTP connection rate (added to connection rate in base year 2010)	Yes +/- 50%
Emissions	**0.0002**	Rate, annual improvement WWTP efficiency 2016-2020	Assumed improvement in WWTP NPE reduction efficiency (added to reduction efficiency in base year 2010)	Yes +/- 50%
Emissions	**0.005**	Rate, annual improvement WWTP connection2016-2020	Assumed improvement in WWTP connection rate (added to connection rate in base year 2010)	Yes +/- 50%
Emissions	**0.0001**	Rate, annual improvement WWTP efficiency 2021-2031	Assumed improvement in WWTP NPE reduction efficiency (added to reduction efficiency in base year 2010)	Yes +/- 50%
Emissions	**0.0025**	Rate, annual improvement WWTP connection2021-2031	Assumed improvement in WWTP connection rate (added to connection rate in base year 2010)	Yes +/- 50%
Emissions & costs	**1**	NPE scenario # of choice (set to 1, 2, 3	Scenario (for current NPE concentration i textiles) chosen as input in calculation of BAU and risk reduction potential.	Yes Arithmetic mean and

		or 4)	1=arithmetic mean excl. two extremes (used in the middle case scenario), 2=arithmetic mean, 3=geometric mean, 4=median	geometric mean used as alternative values
Emissions & costs	**0.02**	Annual growth rate (2010-2020)	Yearly growth in volume (weight) textile articles consumed in EU (year 2010-2020)	Yes +/- 50%
Emissions & costs	**0.01**	Annual growth rate (2021-2031)	Yearly growth in volume (weight) textile articles consumed in EU (year 2021-2031)	Yes +/- 50%
Emissions & costs	**6037526000**	Kg	Weight of textile articles (within scope of the restriction) that were imported to EU in 2010	No
Emissions & costs	**0.23**	Share of textile articles	Share of textile articles that are assumed to be produced with intentional use of NPE	Yes 0.16 and 0.31 used as alternative values (based on samples NPE concentrations in textile)
Costs	**2014**	Year	Present year (for comparison of costs)	No
Costs	**1.01708**	Annual GDP deflator (divided by 100)	GDP deflator (for computing past cost into present/future value)	No
Costs	**0.04**	Annual discount rate	Discount rate (for computing future costs/benefits into	Yes

			present value)	+/- 50%
Costs	**10**	Years	Assumed amortization period for one-off reformulation & commercialisation due to former restriction	No
Costs	**10**	Years	Assumed amortization period for one-off testing costs in first year (in estimating compliance costs in RMO 1)	Yes +/- 50%
Costs (substitution)	**0.1**	€/kg	Price difference for alternative surfactant relative to NPE (AMEC 2012)	Yes 0 and 0.2 used as alternative values (AMEC, 2012)
Costs (substitution)	**20**	g surfactant per kg textile	Surfactant input in textile production OECD Emission Scenario Document on textile finishing industry (OECD 2004))	Yes +/- 50%
Costs (testing)	**0.000166667**	Share of textile articles tested (first year)	Test frequency first year (from section F.2.1.2). Five per 30000 articles in the first year.	Yes +/- 50%
Costs (testing)	**0.00001**	Share of textile articles tested (subsequent years)	Test frequency in subsequent years (from section F.2.1.2). One per 100000 articles.	Yes +/- 50%
Costs (testing)	**0.15**	kg/piece of clothing article	(AMEC 2012)	No
Costs (testing)	**200**	€ cost per test for NPE in	(AMEC 2012)	Yes

		textile article		+/- 50%
Costs (testing)	**0**	Annual rate of change in cost per test	Assumed change per year in € cost per test	No

The key results in the three different scenarios are summarised in the table and diagrams below. The main conclusion from the sensitivity analysis is that the results are most sensitive to:

- The NPE concentrations in textiles that is applied in the emissions and risk reduction capacity calculations. The figures and the diagrams show that the effectiveness, and thus also the cost-effectiveness, of the restriction is highly affected by altering the NPE concentrations in textiles (initial concentrations before restriction) to the arithmetic mean or the geometric mean values instead of the middle value. The cost-effectiveness is reduced more than tenfold (from 2.2 to 27.8 € million per % emission reduction) in the 'low effect' scenario (even though all other input values are unchanged).

- The input values related to costs of compliance control, in particular the assumed test frequency (first year testing and subsequent years), the cost per test and the share of textile articles that are assumed to be produced with intentional use of NPE. Overall the test frequency is one of the most uncertain input values and it largely determines the outcome of the cost-effectiveness analysis on which proportionality is assessed. The alternative frequency values used in sensitivity analysis are only varied by +/- 50%, but the real frequency could potentially be orders of magnitude smaller or larger than the test frequencies assumed in the middle case scenario. Such input values would change the resulting cost estimates to a similar degree (orders of magnitude). The other input values used in the estimation of costs (and emissions) are less uncertain and are unlikely to differ by orders of magnitude from the middle case scenario. If the sensitivity analysis would instead include test frequencies ten times higher/lower than the middle case, the other input values would be of relatively little importance for the results.

Overall, the tables and diagrams below are provided to illustrate how the effectiveness and costs of the restriction might be sensitive to the input values used. The diagrams correspond to the tables and show in order:

- Sensitivity to both input values AND NPE concentration in textile (using different scenarios for NPE concentrations in textiles - scenario 1+1, 2+5, 3+3). This is to show how altering input values (related to emissions as well as costs) at the same time as the NPE concentrations in textiles are set to their arithmetic or geometric mean. I.e. this is the combined effect.

- Sensitivity to input values (using the same middle value for NPE concentration in textiles in all three scenarios). This is to show how the result is affected by only altering other input values than NPE concentrations in textiles (i.e. the latter is kept unchanged).

- Sensitivity to NPE concentration in textile (using the same input values in all three scenarios). This is to show how the result is affected solely by assuming the NPE concentrations in textile to be different than the middle case, keeping all other input values unchanged.

- Sensitivity to limit value (RMO1 vs RMO2a&b) (based on middle case). This is to show how the difference in effectiveness, depending on which limit value is applied. No other input values are changed.

- Sensitivity to transition time (RMO1 vs transition time of three years) - only sensitivity to discounting of costs (based on middle case). This is to show how a shorter transition time might affect the discounting of costs. Thus the sensitivity test does not at all consider for example how the test frequency (or other input values related to costs) might be different in the two restriction scenarios.

Table 6 Numerical results of sensitivity analysis of effectiveness and costs

Sensitivity to both input values AND NPE concentration in textile (using different scenarios for NPE concentrations in textiles)			
High effect – low cost scenario	**Middle case scenario**	**Low effect – high cost scenario**	
41%	21%	1,26%	% (restriction only) emission reduction in year 2021 compared to emissions in 2010
73%	69%	21%	% reduction in emissions to the environment from textiles
47%	32%	3%	% emission reduction in year 2021 compared to baseline
0,0	2,9	6,2	Million € Average annual cost of substitution over 10 years (middle value)
14,3	43,2	74,1	Million € Average annual costs of compliance control over 10 years (middle value)
14,3	46,1	80,4	Million € Annual total costs including compliance control costs

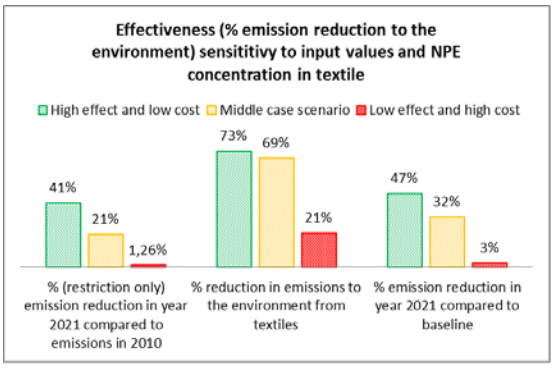
0,4	2,2	63,8	Cost effectiveness (€ per % emission reduction in year 2012 compared to baseline
0,0	1,0	35,3	(Substitution) cost effectiveness comparison (between scenarios - not compared to former restriction)
0,2	1,0	28,4	(Compliance control) cost effectiveness comparison (between scenarios - not compared to former restriction)
0,2	1,0	28,8	(Total) Cost effectiveness comparison (between scenarios - not compared to former restriction)
Sensitivity to <u>input values</u> (using the same arithmetic mean NPE concentration in textiles (excl. 3 extremes) in all three scenarios)			
High effect – low cost scenario	**Middle case scenario**	**Low effect – high cost scenario**	
26%	21%	16%	% (restriction only) emission reduction in year 2021 compared to emissions in 2010
69%	69%	69%	% reduction in emissions to the environment from textiles
34%	32%	30%	% emission reduction in year 2021 compared to baseline
0,0	2,9	6,2	Million € Average annual cost of substitution over 10 years (middle value)
14,3	43,2	74,1	Million € Annual costs of compliance control (middle value)
14,3	46,1	80,4	Million € Annual total costs including compliance control costs
0,5	2,2	5,1	Cost effectiveness (€ per % emission reduction in year 2012 compared to baseline
0,0	1,0	2,8	(Substitution) cost effectiveness comparison (between scenarios - not compared to former restriction)

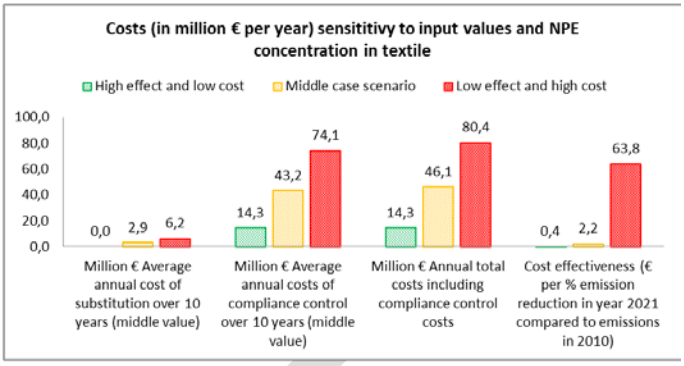
0,3	1,0	2,3	(Compliance control) cost effectiveness comparison (between scenarios - not compared to former restriction)
0,2	1,0	2,3	(Total) Cost effectiveness comparison (between scenarios - not compared to former restriction)
Sensitivity to NPE concentration in textile (using the same input values in all three scenarios)			
High effect – low cost scenario	**Middle case scenario**	**Low effect – high cost scenario**	
32%	21%	1,66%	% (restriction only) emission reduction in year 2021 compared to emissions in 2010
73%	69%	21%	% reduction in emissions to the environment from textiles
45%	32%	3%	% emission reduction in year 2021 compared to baseline
2,9	2,9	2,9	Million € Average annual cost of substitution over 10 years (middle value)
43,2	43,2	43,2	Million € Annual costs of compliance control (middle value)
46,1	46,1	46,1	Million € Annual total costs including compliance control costs
1,4	2,2	27,8	Cost effectiveness (€ per % emission reduction in year 2012 compared to baseline
0,7	1,0	12,6	(Substitution) cost effectiveness comparison (between scenarios - not compared to former restriction)
0,7	1,0	12,6	(Compliance control) cost effectiveness comparison (between scenarios - not compared to former restriction)
0,7	1,0	12,6	(Total) Cost effectiveness comparison (between scenarios - not compared to former restriction)

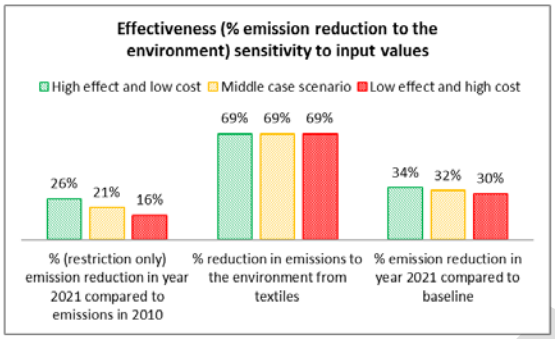
Sensitivity to limit value (RMO1 vs RMO2a&b) (based on middle case)			
RMO 1 (100 mg(kg)	**RMO 2b (50 mg/kg)**	**RMO2a (20 mg/kg)**	
21%	24%	26%	% (restriction only) emission reduction in year 2021 compared to emissions in 2010
69%	78%	87%	% reduction in emissions to the environment from textiles
32%	36%	40%	% emission reduction in year 2021 compared to baseline
2,9	2,9	2,9	Million € Average annual cost of substitution over 10 years (middle value)
43,2	43,2	43,2	Million € Annual costs of compliance control (middle value)
46,1	46,1	46,1	Million € Annual worst case total costs
2,2	2,0	1,8	Cost effectiveness (€ per % emission reduction in year 2012 compared to baseline
1,0	0,9	0,8	(Substitution) cost effectiveness comparison (between scenarios - not compared to former restriction)
1,0	0,9	0,8	(Compliance control) cost effectiveness comparison (between scenarios - not compared to former restriction)
1,0	1,0	0,9	(Total) Cost effectiveness comparison (between scenarios - not compared to former restriction)
Sensitivity to transition time (RMO1 vs transition time of three years) - only sensitivity to discounting of costs (based on middle case)			
RMO 1	**Transition time of three years**		
21%	21%		% (restriction only) emission reduction in year 2021 compared to emissions in 2010

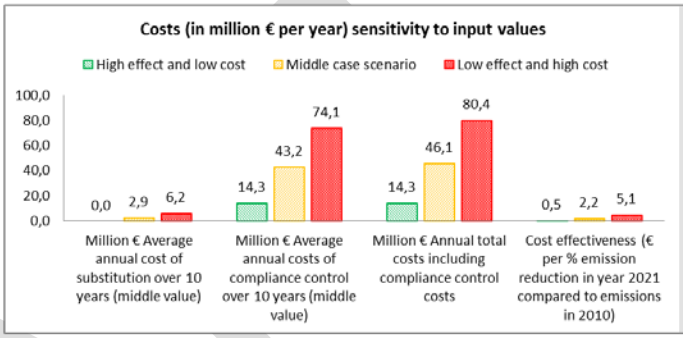
69%	69%		% reduction in emissions to the environment from textiles
32%	32%		% emission reduction in year 2021 compared to baseline
2,9	3,0		Million € Average annual cost of substitution over 10 years (middle value)
43,2	44,3		Million € Annual costs of compliance control (middle value)
46,1	47,3		Million € Annual total costs including compliance control costs
2,2	2,3		Cost effectiveness (€ per % emission reduction in year 2012 compared to baseline
1,0	1,0		(Substitution) cost effectiveness comparison (between scenarios - not compared to former restriction)
1,0	1,0		(Compliance control) cost effectiveness comparison (between scenarios - not compared to former restriction)
1,0	1,0		Cost effectiveness comparison (between scenarios - not compared to former restriction)

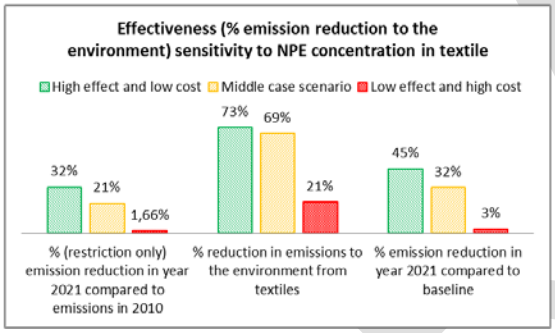
The above results are presented graphically on the next two pages.

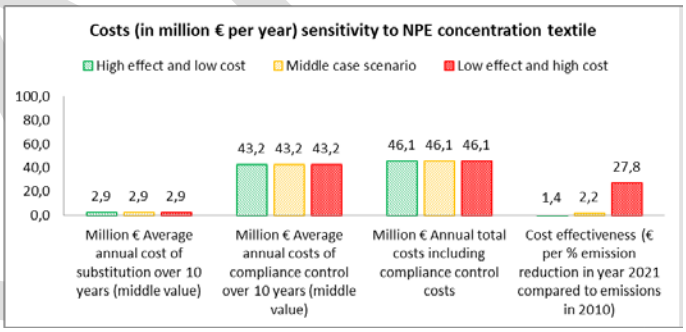

Effectiveness (% emission reduction to the environment) sensitivity to input values and NPE concentration in textile
High effect and low cost
Middle case scenario
Low effect and high cost
41%
21%
1,26%
73%
69%
21%
47%
32%
3%
% (restriction only) emission reduction in year 2021 compared to emissions in 2010
% reduction in emissions to the environment from textiles
% emission reduction in year 2021 compared to baseline

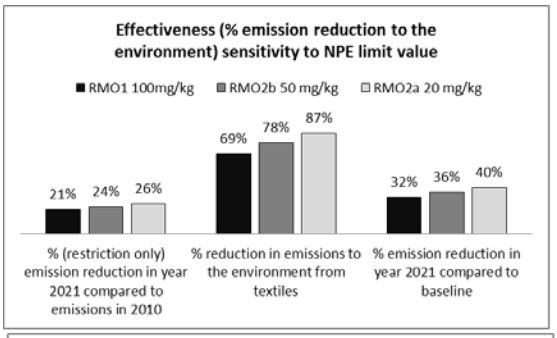

Costs (in million € per year) sensitivity to input values and NPE concentration in textile
High effect and low cost
Middle case scenario
Low effect and high cost
100,0
80,0
60,0
40,0
20,0
0,0
0,0
2,9
6,2
14,3
43,2
74,1
14,3
46,1
80,4
0,4
2,2
63,8
Million € Average annual cost of substitution over 10 years (middle value)
Million € Average annual costs of compliance control over 10 years (middle value)
Million € Annual total costs including compliance control costs
Cost effectiveness (€ per % emission reduction in year 2021 compared to emissions in 2010)

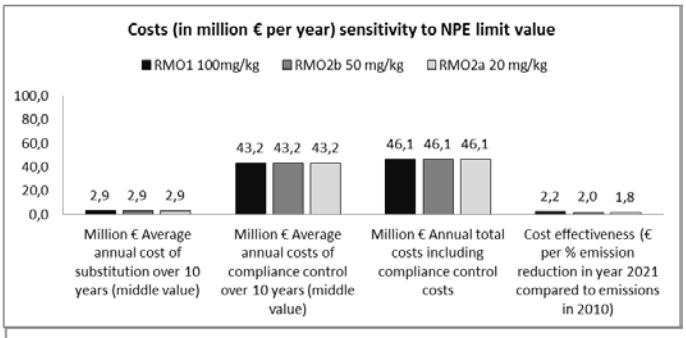

Effectiveness (% emission reduction to the environment) sensitivity to input values
High effect and low cost
Middle case scenario
Low effect and high cost
26%
21%
16%
69%
69%
69%
34%
32%
30%
% (restriction only) emission reduction in year 2021 compared to emissions in 2010
% reduction in emissions to the environment from textiles
% emission reduction in year 2021 compared to baseline

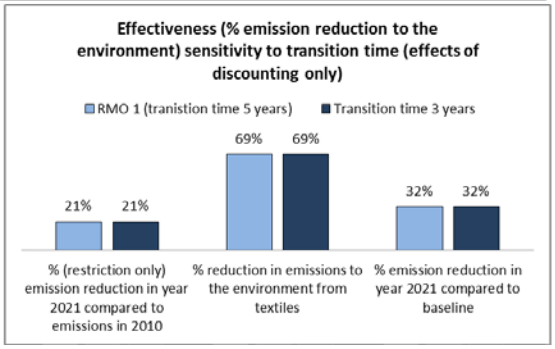

Costs (in million € per year) sensitivity to input values
High effect and low cost
Middle case scenario
Low effect and high cost
100,0
80,0
60,0
40,0
20,0
0,0
0,0
2,9
6,2
14,3
43,2
74,1
14,3
46,1
80,4
0,5
2,2
5,1
Million € Average annual cost of substitution over 10 years (middle value)
Million € Average annual costs of compliance control over 10 years (middle value)
Million € Annual total costs including compliance control costs
Cost effectiveness (€ per % emission reduction in year 2021 compared to emissions in 2010)

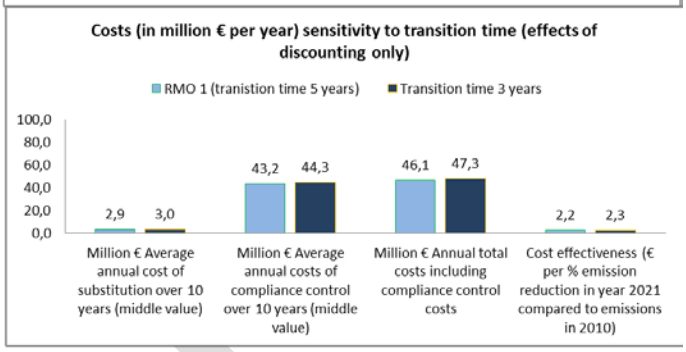

Effectiveness (% emission reduction to the environment) sensitivity to NPE concentration in textile
High effect and low cost
Middle case scenario
Low effect and high cost
32%
21%
1,66%
73%
69%
21%
45%
32%
3%
% (restriction only) emission reduction in year 2021 compared to emissions in 2010
% reduction in emissions to the environment from textiles
% emission reduction in year 2021 compared to baseline


Costs (in million € per year) sensitivity to NPE concentration textile
High effect and low cost
Middle case scenario
Low effect and high cost
100,0
80,0
60,0
40,0
20,0
0,0
2,9
2,9
2,9
43,2
43,2
43,2
46,1
46,1
46,1
1,4
2,2
27,8
Million € Average annual cost of substitution over 10 years (middle value)
Million € Average annual costs of compliance control over 10 years (middle value)
Million € Annual total costs including compliance control costs
Cost effectiveness (€ per % emission reduction in year 2021 compared to emissions in 2010)


Effectiveness (% emission reduction to the environment) sensitivity to NPE limit value
RMO1 100mg/kg
RMO2b 50 mg/kg
RMO2a 20 mg/kg
21%
24%
26%
69%
78%
87%
32%
36%
40%
% (restriction only) emission reduction in year 2021 compared to emissions in 2010
% reduction in emissions to the environment from textiles
% emission reduction in year 2021 compared to baseline


Costs (in million € per year) sensitivity to NPE limit value
RMO1 100mg/kg
RMO2b 50 mg/kg
RMO2a 20 mg/kg
100,0
80,0
60,0
40,0
20,0
0,0
2,9
2,9
2,9
43,2
43,2
43,2
46,1
46,1
46,1
2,2
2,0
1,8
Million € Average annual cost of substitution over 10 years (middle value)
Million € Average annual costs of compliance control over 10 years (middle value)
Million € Annual total costs including compliance control costs
Cost effectiveness (€ per % emission reduction in year 2021 compared to emissions in 2010)


Effectiveness (% emission reduction to the environment) sensitivity to transition time (effects of discounting only)
RMO 1 (tranistion time 5 years)
Transition time 3 years
21%
21%
69%
69%
32%
32%
% (restriction only) emission reduction in year 2021 compared to emissions in 2010
% reduction in emissions to the environment from textiles
% emission reduction in year 2021 compared to baseline


Costs (in million € per year) sensitivity to transition time (effects of discounting only)
RMO 1 (tranistion time 5 years)
Transition time 3 years
100,0
80,0
60,0
40,0
20,0
0,0
2,9
3,0
43,2
44,3
46,1
47,3
2,2
2,3
Million € Average annual cost of substitution over 10 years (middle value)
Million € Average annual costs of compliance control over 10 years (middle value)
Million € Annual total costs including compliance control costs
Cost effectiveness (€ per % emission reduction in year 2021 compared to emissions in 2010)

Cost effectiveness comparison methodology and results

The cost-effectiveness of the proposed restriction is compared to the estimated cost effectiveness of measures proposed in the Nonylphenol Risk Reduction Strategy (RPA, 1999), hereby called the NP RRS. The methodology used to compare the costs and effects of the measures is described in this below.

Background information on the NP RRP:

The NP RRP was prepared for the UK Department of the Environment, Transport and the Regions and was presented in 1999. The risk reduction strategy was developed based on an environmental risk assessment undertaken by the UK Environment Agency. The substances under consideration were nonylphenol and nonylphenol ethoxylates.

The approach to the study was informed both by the European Commission's Technical Guidance Document on Development of Risk Reduction Strategies and by previous work undertaken by RPA on other substances. The study used information from the risk assessment and information was also gathered through consultation with industry.

A qualitative analysis of the implications of adopting different risk reduction strategies was performed, and a selection of measures were examined in more detail based on consultation with industry. The majority of the consulted stakeholders were UK-based, but various EU-wide trade associations, industry groups and international companies were also consulted.

The third stage of the study built upon the qualitative analysis and involved a semi-quantitative analysis of the likely impacts of various risk reduction measures. The aim was to achieve a balance between the costs which any one sector or specific application would face with the benefits arising from the associated level of risk reduction (taking into account any risks associated with substitutes). This analysis required that the costs of adopting the various risk reduction measures be estimated wherever possible. The Alkylphenol Ethoxylates Task

Force of CESIO, the CEFIC sector group representing the surfactants industry for the study, provided data estimating the costs arising from a complete EU-wide ban on all alkyl phenol ethoxylates. These figures represent, therefore, the costs associated with the development, marketing and use of substitutes for NP/NPEs. Further details of these data are provided in Section 5 of the report. To verify the information and to supplement it with costs to sectors not specifically addressed by the CESIO data, a survey was distributed to over 90 companies/trade associations. The results of these surveys were also used in the quantitative analysis. It is stated in the report that the proposed measures would require some degree of monitoring, however limited since there are only a few sites where NP/NPEs were produced and a number of industry sectors were already phasing out the use of NPEs on a voluntary basis, but no quantified costs of compliance control or monitoring are reported. Without quantitative data on the actual consequences arising from current levels of NPEs in the environment or the workplace, economic valuation would be unreliable and

misleading. It is stated in the report that it is only possible, therefore, to assess the change in risks in qualitative terms.

In summary, a mix of policy measures was recommended in the NP RRS to address the environmental risks associated with NP and NPE (NP/E). Firstly, in order to reduce background regional concentrations to below the PNEC, it was recommended that comprehensive phase-outs under Directive 76/769/EEC were applied to those industries which contributed most to the regional concentration and/or for which alternatives to NP/E were known to be available. These were industrial, institutional and domestic cleaning (I&I), textiles, leathers, agriculture (veterinary medicines), metals, pulp and paper, and cosmetics. It was believed that this measure would eliminate some 70% of the NP burden, reducing the background regional concentrations to below 0.18 µg/l and thus below the PNEC (0.33 µg/l). For use of NPEs in pesticides (and pesticide adjuvants), introduction of mandatory separation zones between areas of pesticide spraying and water courses was recommended.

By Directive 2003/53/EC of the European Parliament of 18 June 2003, the EU largely adopted the UK risk reduction strategy to be implemented by the member states as from 17 January 2005. The restriction entry 46 was added to the Council Directive 76/769/EEC, relating to restrictions on the marketing and use of certain dangerous substances and preparations.

Cost effectiveness comparison methodology and assumptions:

In the NP RRS the risk reduction is measured in terms of percentage reduction in continental NP burden and the effect of the recommended risk reduction measures was estimated to 70% reduction in the NP burden. In the restriction proposal for NP/NPE in textile articles an estimate is made of NP/NPE releases to the water environment, including other sources than textiles. It is estimated that the amount of NP in the water environment will be reduced by 21% due to the proposed restriction (compared to estimated baseline emissions in 2021). In order to make the effect of the NP RRP comparable to the effect of the proposed restriction, it is assumed that the remaining 30% NP continental burden (remaining after the 70% NP RRS reduction) corresponds to the estimated emissions in the baseline year 2010 (see section B.9.4). In section E.1 in the restriction proposal, the baseline scenario for emissions of NP/NPE from 2010 to 2031 is described. In summary, the reduction in continental NP burden achieved by the NP RRS is estimated to 70% of emissions in 1997, and the emission reduction achieved by the proposed restriction is estimated to 21% of the remaining 30% NP burden, which corresponds to 6.4% reduction in NP burden in the year 2021.

The costs of the measures are all compared in the year 2014. Past costs (of the NP RRS measures) and future costs (of the proposed restriction) are converted to the year 2014 using GDP deflator (based on average EU GDP deflator for the years 1999-2012). The NP RRS state costs as costs due to costlier substitute (ongoing costs) and costs due to reformulation and commercialisation (one-off costs). The one-off costs in the NP RRS are not originally annualised. In order to compare the measures it is assumed that the same amortisation period and discount rate (10 years and 4% discount rate) applies for both for the NP RRS measures and the proposed restriction.

The NP RRS provides quantified cost estimates for two of the recommended measures, namely (1) Industrial, institutional and domestic cleaning, (2) textile and leather processing. In addition costs of measures in Metal industries may be roughly estimated based on the information provided in the NP RRS[1] but the resulting cost estimate is less reliable than for the former two measures.

It is important to note that the cost effectiveness comparison does not tell the level of willingness to pay for NP/NPE emission reduction. The NP RRS provided a recommendation for which uses to include in a restriction – but it is not clear which level of cost effectiveness that was eventually considered proportional when the decision was made to restrict certain uses. In other words the estimated cost effectiveness for metal industries (present value 1.9 million € per % reduction NP load) cannot be stated as the maximum willingness to pay – but it may at least be assumed that this figure was in the range of the willingness to pay. In summary the estimated cost effectiveness of the former restriction are merely figures used for comparison against the cost effectiveness of the proposed restriction. Note also that costs of monitoring or compliance control were not quantified by RPA (1999) and hence it is uncertain if comparison with compliance control costs of the proposed restriction can be made on fair basis.

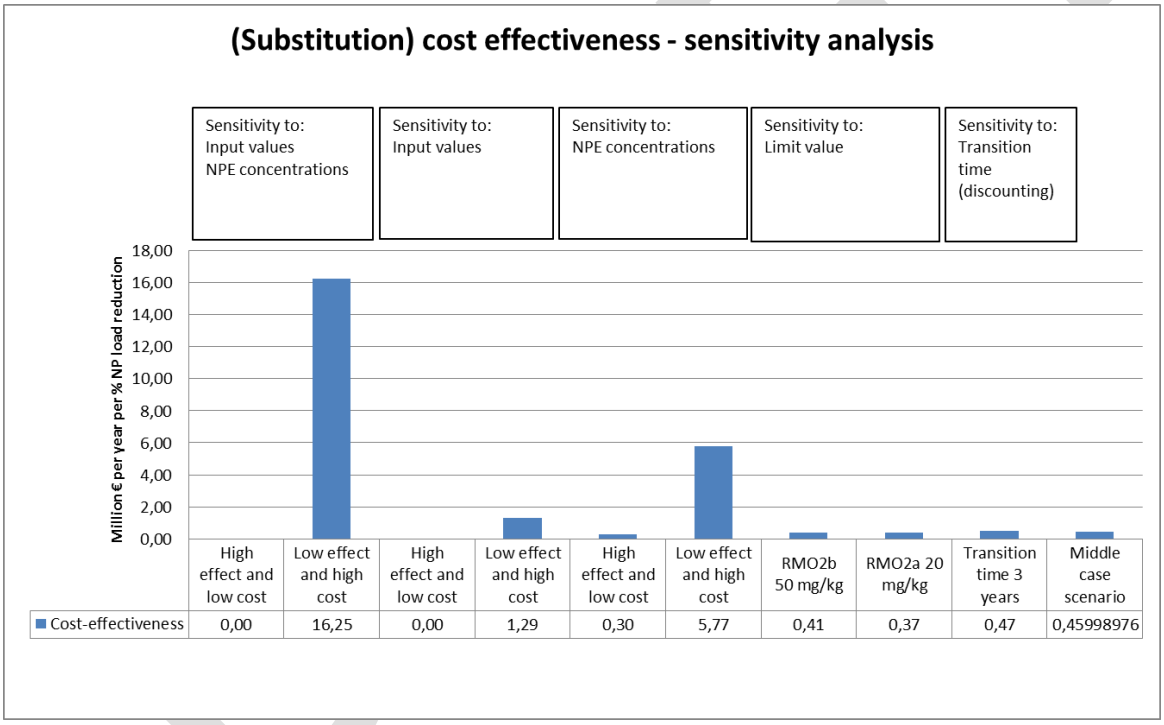
[1] Total use in metal processing estimated to 2000 tpa of NP/Es, assumed concentration of 5% (pp. A1-34 note 15 in NP RRS) in process fluids gives 40000 tpa of process fluids affected and substitution cost of 0,015-0,074 Euro/litre (pp. A1-31 and 45) of process fluid. One-off cost of 0.006 Euro/litre (NP RRS pp.45), multiplied by 40000 tpa. Total use in metal processing est. 2000 tpa of NP/Es, assumed concentration of 5% (pp. A1-34 note 15 in NP RRS) in process fluids gives 40000 tpa of process fluids affected. The annualised cost would then be 2.33 million €/year (in present year value).

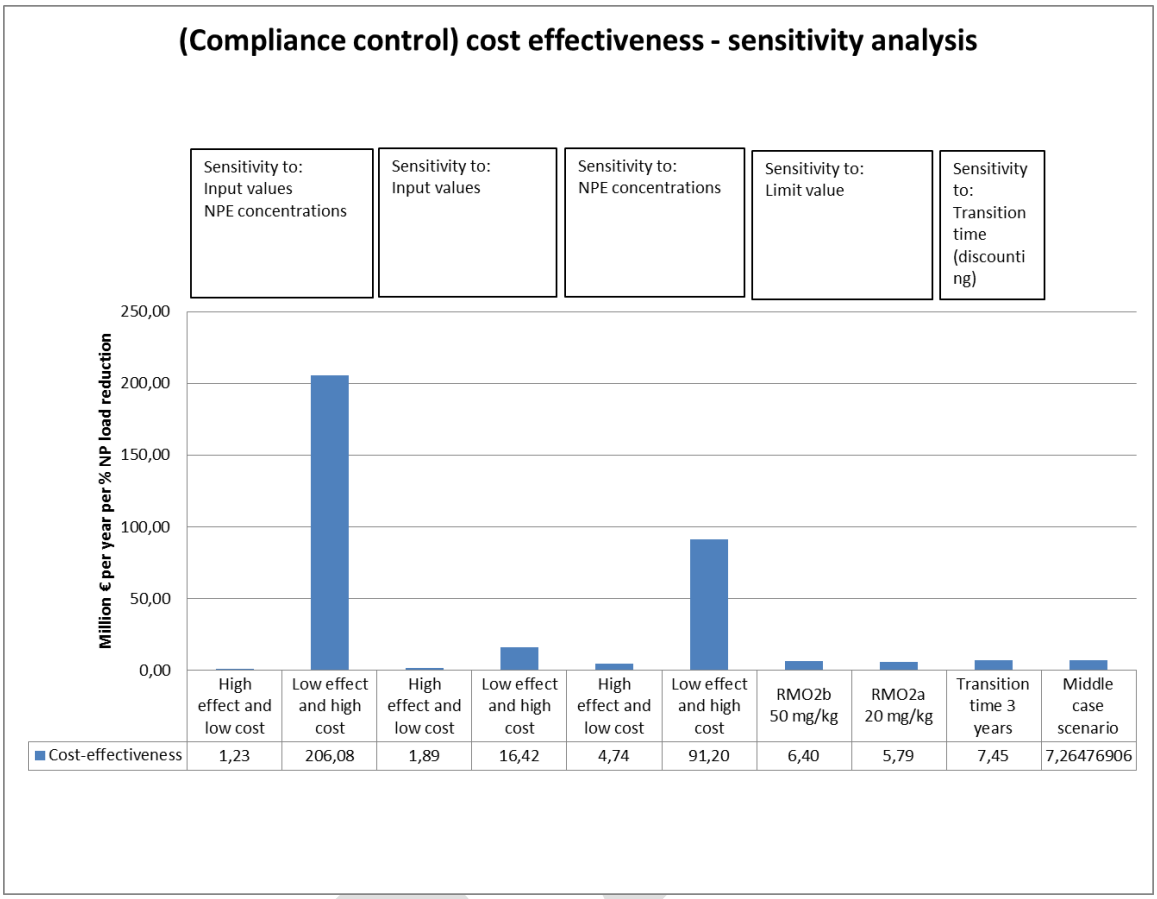
Table 7 Results of cost effectiveness comparison

	% reduction		Operating costs (costlier substitute, recurring testing costs)	Investment costs (reformulation & commercialisation, costs of first year testing)	Total cost per year (average for 10 year period)			
I&I (industrial, institutional and domestic cleaning)	44.7 %	(year 1999)	22.0	19.6	41.6	million €	0.9	million € per % reduction NP load
Textiles&Leathers	20.80%	(year 1999)	13.9	9.9	23.8	million €	1.1	million € per % reduction NP load
Metals	1.2 %	(year 1999)	2.3	0.04	2.3	million €	1.9	million € per % reduction NP load
RMO 1 (substitution cost)	6.4 %	(year 2021)	2.9		2.9	million €	0.5	million € per % reduction NP load
RMO 1 (compliance control)	6.4 %	(year 2021)	16.7	29.4	46.1	million €	7.3	million € per % reduction NP load

Sensitivity analysis of the cost effectiveness comparison

The result of the cost effectiveness comparison has been subject to sensitivity analysis, similar to the key results in terms of effectiveness and costs as described above. The cost effectiveness figures in Table 7 have been recalculated using the relative cost effectiveness figures from Table 6 in the different scenarios used for sensitivity analysis. The result is summarised in the figures below (substitution costs and costs of compliance control in two separate diagrams – note the difference in scale). The only difference in the level of cost-effectiveness in the figures below and the ones presented in the general sensitivity analysis is the effect of the proposed restriction. In the comparison against the former restriction, the emission reduction is estimated to 21% of the 30% continental NP load, whereas the risk reduction capacity of the proposed restriction is stated as 21% (emission reduction due to the restriction only compared to baseline emissions in 2010). Again, note that the sensitivity analysis with respect to transition time only takes into account the effect of discounting, i.e. no other input values are altered in this scenario.




(Compliance control) cost effectiveness - sensitivity analysis
Sensitivity to: Input values NPE concentrations
Sensitivity to: Input values
Sensitivity to: NPE concentrations
Sensitivity to: Limit value
Sensitivity to: Transition time (discounting)
Million € per year per % NP load reduction
250,00
200,00
150,00
100,00
50,00
0,00
High effect and low cost
Low effect and high cost
High effect and low cost
Low effect and high cost
High effect and low cost
Low effect and high cost
RMO2b 50 mg/kg
RMO2a 20 mg/kg
Transition time 3 years
Middle case scenario
Cost-effectiveness
1,23
206,08
1,89
16,42
4,74
91,20
6,40
5,79
7,45
7,26476906

Annex 12 - Comparing monitored and estimated NP and NPE concentrations in the WWTP influent

In our estimations (based on twelve studies) washing of textiles contributes to an annual release of 53-585 tonnes NPE[2]. In addition, other sources than textiles add to the NP/NPE release to waste water. Information from the Swedish Products Register suggests that 6.4 tonnes of NP is annually released due to different end uses of nonylphenol (NP). 620 tonnes of NPE is released due to a variety of end uses of NPE and other NP-derivatives[3] (see section B.2.3 in BD).

Analysis from UK waste water treatment plants (WWTPs) in 2013 (UK EA 2013b) showed an average influent concentration of 1.92 - 2.85 µg NP/l and a NPE-sum of 1.6 - 4.03 µg NPE/l[4]. There is an apparent difference between the monitoring data and the estimated values (the difference between NP and NPE amounts). One explanation could be that the estimated values is based on different end uses and do not take into consideration that NPE might to some extent degrade to NP during use, before entering the waste water treatment plant. Therefore a part of the monitored NP in the UK influent could originate from NPE in textiles. Degradation of NPE during textile washing is demonstrated in Danish EPA (2013) where the results indicate that some of the long-chained NPE in the textile is degraded to shorter-chained NPE during laundry wash. There are however too few studies to be able to draw any definite conclusions but it is a possibility that NPE degradation occurs (SWEREA IVF 2014). According to experts (Sweco 2014) the NP in the influent has two explanations. One is the use and release of NP itself and the other is that NPE from e.g. washing of textiles most likely degrade to NP on its way to the WWTP.

If assuming that washing of textile is the only NPE source it is possible to estimate the NPE in textiles based on a back-calculation from NPE measurements in the UK WWTPs (UK EA 2013b). Since there are other NPE sources this would be a rather conservative assumption but is here used to assess the reliability of the calculated NPE concentrations in textile.

Samples were taken at the ten different waste water treatments plants in the UK between February and May 2013 (UK EA 2013b). The treatment plants had different sizes and capacity, ranging from under 1000 to a bit over 20 000 PE (Population Equivalent). The average[5] PE was approximately 7000 PE and the consented flow 2440 m^3/day with a minor percentage of the flow from trade effluent[6]. The sites also differed in type of treatment

[2] When using the geometric mean and the arithmetic mean with the exclusion of three outliers

[3] Assuming same molecular weight for NPE and other NP-derivatives

[4] between the geometric and arithmetic mean provided in the UK monitoring report

[5] Using the median PE and flow value of the 10 WWTP.

[6] Under 1% or just above, except from one site with 50% trade effluent. Since there is no apparent differences from the NP/NPE concentrations in the other WWTP this is not considered here.

process, eight had secondary treatment, one tertiary treatment and for one site no information was provided. Here tertiary treatment means an additional settlement and not an advance treatment. The UK investigations showed that the management of the treatment plant is more important for the effectiveness than the specific process used. A total of 118 samples were taken from three places; influent, effluent and river downstream of the WWTP. 53% of the influent samples gave positive results. According to the results presented in the UK monitoring report the arithmetic mean concentration (10 different WWTP) was 4.03 µg NPE/l. This is a summary of all measured NPE where 1-15 ethoxylate groups are included. In addition the geometric mean is presented in two ways. One where the maximum reported values, MRVs are taken at face value and one where the MRVs are halved. The geometric mean with MRVs taken at face value gives a NPE concentration of 2.2 mg/kg and where the MRV is halved the concentration is 1.6 mg/kg. According to the authors of the UK monitoring report halving the MRV is more likely to give a more representative outlook to the results and would therefore place more emphasis on those results. However they would probably use both the arithmetic and geometric mean concentrations in their interpretations. In the calculations below the NPE concentration is presented in the range between the geometric mean with halved MRVs and the arithmetic mean.

Using the NPE average concentration of 1.6 - 4.03 µg/l together with a flow of 2440 $x10^3$ l/d will result in a WWTP input of 3904 - 9833 mg NPE/day. With an UK average WWTP serving a population of close to 7000 per day the NPE release will be 204 - 513 mg pe^{-1} $year^{-1}$. With the assumption that the UK data set is representative for the whole EU these results are extrapolated. However, this assumption is surrounded by uncertainties since the measured data reflect the UK situation and is not for certain applicable on an EU-level. The EU population in 2011 was about 500 million (Eurostat 2013) leading to approximately 102 - 256 tonnes NPE per year. An import to EU in 2010 of 6 037 526 tonnes[7] textile gives an average concentration of **17 - 43 mg NPE/kg textile** (see Table 8 below).

[7] EU statistics on import and export of certain textiles, produced by the administrative agency Statistics Sweden 2011 on behalf of the Swedish Chemicals Agency

Table 8 Back-calculations from average NPE measurements in UK WWTP influent*

	Arithmetic mean	**Geometric mean (MRV's face value)**	**Geometric mean (MRV's halved)**
SUM NPE1-15 in influent (µg/l)	4,03	2,17	1,6
Standard/Average effluent flow (l/day)	2440000	2440000	2440000
NPE input to a standard/average WWTP (mg/day)	**9833,2**	**5294,8**	**3904**
Standard/Average WWTP (pe)	6997	6997	6997
NPE released to WW (mg pe^{-1} day^{-1})	**1,41**	**0,76**	**0,56**
NPE released to WW (mg pe^{-1} $year^{-1}$)	**513,0**	**276,2**	**203,7**
EU population in 2011 (pe)	500000000	500000000	500000000
NPE released to WW (g $year^{-1}$)	**256475489,5**	**138102186,7**	**101826497,1**
EU import in 2010 (tonne/year)	6037526	6037526	6037526
NPE concentration in textile (mg/kg)	**42,5**	**22,9**	**16,9**

*assuming that washing of textiles is the only NPE source

As demonstrated in section B.2.3.1 in the dossier the calculated concentration is in the range 9 - 97 mg NPE/kg textile (using the geometric mean and the arithmetic mean excluding two outliers). This is consistent with the back-calculations from The NPE measurements in UK WWTP influents. The measured concentration is in the same magnitude as the estimated concentration. Therefore we assess the estimated concentration in section B.2.3.1 to be reliable.

References

Danish EPA, Environmental Protection Agency, 2013. *Survey and environmental and health assessment of nonylphenol and nonylphenol ethoxylates in textiles*. Survey on chemical substances in consumer products no. 120, 3013. Danish Ministry of the Environment.

Eurostat, 2013. Available from: http://epp.eurostat.ec.europa.eu/tgm/table.do?tab=table&language=en&pcode=tps00001&tableSelection=1&footnotes=yes&labeling=labels&plugin=1 [Accessed 13 January 2013]

SWEREA IVF, 2014. *Personal communication,* SWEREA IVF. Sweden. 2012.

Sweco, 2014. *Personal communication*, Sweco Malmö.

UK EA, Environment Agency, 2013b. *Nonylphenol (NP) and nonylphenol ethoxylates (NPE) monitoring report.* Produced by: Chemical Compliance Team. December 2013.

Annex 13 - Scope and definitions of textile articles

Background

The scope and conditions of the proposed restriction presented in the background document 2 Aug 2013 made reference to article 3.1.a-f in the Regulation (EU) No 1007/2011 (hereby the Textile Fibre Names and Labelling Regulation) to facilitate the interpretation and the practical application of the restriction. Furthermore *Textile clothing, fabric accessories and interior textile articles* were specifically mentioned in the proposed restriction Entry 46. Stakeholder comments received during public consultation of the restriction, as well as the draft Forum advice, asked for clarification of the scope and conditions in order to further enhance the practical application of the restriction.

The restriction proposal has been revised in the scope and conditions to make it more clear which textile articles that are covered by the restriction. The revised scope and definitions are inspired by the proposed criteria for the EU Ecolabel for textile products. The revised definitions of textile articles would target explicitly certain types of textile articles, yet it would correspond to the Textile Fibre Names and Labelling Regulation in the requirement that textile articles are those consisting of at least 80% by weight of textile fibres.

There are various types of semi-finished and raw textiles being imported to the Union but the information about the occurrence of NPE in such textiles is scarce. The background document (dated 2 Aug 2013) did only mention such semi-finished textiles briefly in section B.9.3.4.1 in which releases from imported textiles to waste water are estimated. There were indications that semi-finished textiles could contribute to emissions of NPE, but the dossier submitter could not at that point in time quantify the releases with any certainty since the dataset for NPE concentrations in textiles only included textile clothing, accessories and some interior textiles. Subsequently, the tonnage of semi-finished textiles imported to the EU was not included in the calculation of costs of substitution and compliance control in section E and F of the dossier.

Semi-finished and raw textiles in the revised background document

Some stakeholder comments received during public consultation of the restriction (by Fedustria and the European Silk Twisters and Weavers) indicated that NPE's have been found in various semi-finished or raw materials and that the restriction should be enforced to reduce such occurrences. The scope and conditions in the restriction dossier dated 2 Aug 2013 did include such semi-finished or raw textiles, since the definition in article 3.1.a in the Textile Fibre Names and Labelling Regulation defines 'textile product' as meaning *any raw, semi-worked, worked, semi-manufactured, manufactured, semi-made-up or made-up product which is exclusively composed of textile fibres, regardless of the mixing or assembly process employed* (the scope of the Regulation as given in article 2 states that article 3 concerns products and components containing or being constituted by at least 80% by weight of textile fibres).

To keep a similar scope in the revised background document, the various semi-finished and raw textiles should be explicitly mentioned in the scope and conditions of the restriction. The proposed criteria for the EU Ecolabel for textile products appears to provide a suitable definition stated as *Fibres, yarn, fabric and knitted panels: intended for use in textile clothing and accessories and interior textiles, including upholstery fabric and mattress ticking prior to the application of backings and treatments associated with the final article.* This definition is proposed along with the definitions of *Textile articles and accessories* as well as *Interior textiles* to be included in the Entry 46.

The consequences of not including these types of textiles could be that:

- Imported semi-finished or raw textiles may contribute to releases of NPE to waste water if they are washed during processing at textile manufacturing sites in the Union (before or after the textiles are incorporated in final textile articles to be placed on the market).
- Textile clothing, accessories and interior textiles, that are made up by semi-finished or raw materials that have been imported to the Union, are placed on the market and may thus contain NPE concentrations above the proposed limit value and could therefore contribute to emissions of NPE when the textile article is used.
- The fact that there would be a limit value for NPE in the final textile articles placed on the market could be seen as that it indirectly also places a limit value on the semi-finished and raw materials used to make up the final articles. However there could be liability issues for the concerned actors in the textile supply chain which could reduce the manageability of the restriction. In addition the indirect effect of the limit value on final textile articles would not apply to semi-finished or raw textiles that are processed in the Union before they are re-exported to markets outside the Union.

However, when semi-finished and raw textiles are included in the scope and conditions of the restriction, some issues should be considered.

- From a proportionality point of view, the background document dated 2 Aug 2013 did not provide quantitative estimates of emissions of NPE nor of costs related to reducing concentrations of NPE in semi-finished or raw textiles.
- It is reasonable to believe that NPE may be contained in semi-finished and raw textiles, e.g. given the comments received during public consultation, but it is difficult to quantify based on the available data.
- The estimated costs of substitution would be somewhat higher if the tonnage of semi-finished textiles were included in the calculation. As stated in the restriction dossier from 2 Aug 2013 the import of semi-finished textiles was about 4.1 million tonnes in 2010, however it is uncertain how large portion of that tonnage that would actually be targeted by the restriction given the scope and conditions (that the textiles can be washed in water etc).

- The estimated costs of compliance control should not be significantly affected by including semi-finished and raw textiles. It is unlikely that any analytical testing would be performed both on the semi-finished textiles as well as on the final textile articles placed on the market. If compliance control is performed on semi-finished or raw textiles that are used in the manufacturing of final textile articles placed on the market in the Union, this would effectively reduce the need for compliance control of the final article. Stakeholder comments received during public consultation suggest that compliance control may target textile materials in any step of the supply chain and that risk based approaches are often used. This should mean that raw or semi-finished textiles that are ensured to comply with the restriction would also ensure compliance of the final textile article.

In summary it is concluded that the revised scope and conditions of the proposed restriction should explicitly include semi-finished and raw textiles in order to avoid emissions of NPE during the processing of such textiles within the Union as well as to avoid NPE in the final textile articles placed on the market.

Annex 14 - Survey of compliance control costs

In the restriction report by the Dossier Submitter, compliance control costs (i.e., costs of testing textile articles for presence of NP/NPE) represent a substantial component of the compliance costs (more than 90%) and thus, exert substantial impact on the cost effectiveness assessment of the proposed restriction. During the preparation of the restriction proposal, the Dossier submitter made substantial efforts to gather information about the frequency and cost of testing. Despite these efforts, questions remained regarding the likelihood of the proposed restriction imposing additional testing costs on stakeholders to ensure compliance as there was anecdotal evidence that companies rather use contractual arrangements. Therefore, the drafting group (the Dossier submitter, the rapporteurs and the ECHA project team) explored existing industry contacts to gather additional information.

A brief survey (included below) was conducted with members of Tekstiili- ja vaateteollisuus Finatex ry (the Federation of Finnish Textile and Clothing Industries - Finatex) and the European Apparel and Textile Confederation (EURATEX). In total, 15 representatives of large, medium and small companies responded. 87 percent of the respondents were from Finland and the remaining, from Belgium. One pre-survey (an interview) was conducted with Tekstiili- ja Muotialat TMA ry (Finnish Textile and Fashion Industries Association); these responses are aggregated with the results of the full scale survey.

Eight respondents import textile articles from non-EU countries, while the remaining companies manufacture, import from EU countries or are organisations who responded on behalf of manufacturers or importers of textile articles to Europe.

The majority of respondents stated that they use contractual obligations and provision of information (on EU/national regulations) to ensure compliance with EU regulations. As seen in Figures 1 and 2 below, testing of the chemical content is conducted less frequently. Respondents also mentioned that importers carry out random checks on the presence of SVHCs (substances of very high concern) or require their suppliers to provide the results of such tests or to sign a REACH compliance certificate (based on the SVHC list).

Some companies are currently testing or require their suppliers to test for NP/NPE content in relation to existing obligations, e.g., under REACH (Candidate List substances) or for certification or voluntary agreements (e.g., OECO-TEX). The costs per test provided range between €100 and €260, depending on the test used, although costs could be higher in regions where testing facilities are not available. Some respondents mentioned that the tests could also cover other substances (e.g. octylphenols, octylphenol ethoxylates, other OECO-TEX criteria). One respondent provided information on the frequency of tests: about 5% of shipments. Similarly, only one respondent provided information on the NP/NPE content in textile articles (mostly clothing):

- About 10% of tested articles contain NP/NPE: ≥10 mg/kg NP and/or ≥100 mg/kg NPE;
- NP content ranges from 40 mg/kg to 790 mg/kg;
- NPE content ranges from 180 mg/kg to 450 mg/kg.

Figure 1: Compliance control strategies - Importers of textile articles from non-EU countries

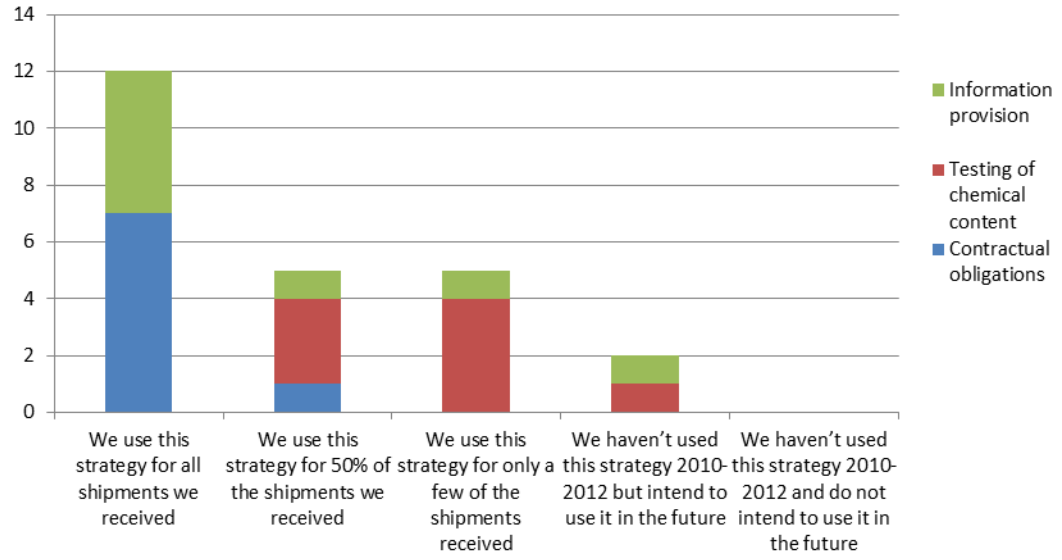
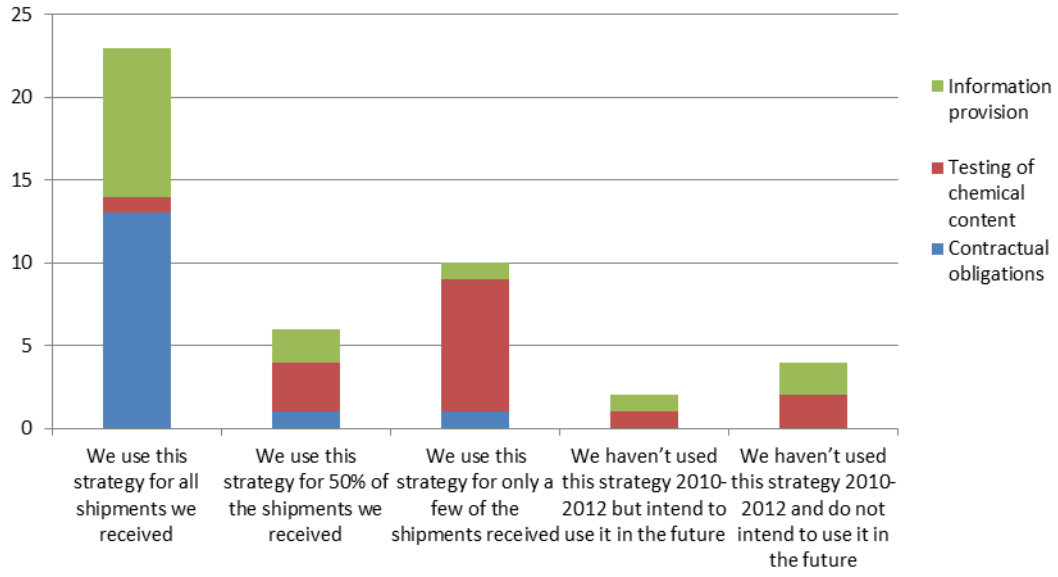


Figure 2: Compliance control strategies – All respondents



In summary, it is uncertain whether additional compliance control costs will be incurred as a result of the proposed restriction. It can be inferred that testing of NP/NPE will likely continue to be used as a secondary compliance control strategy for the proposed restriction. It could be anticipated that contractual obligations and information provision would remain the primary strategies for ensuring compliance with the proposed restriction.

Survey of textile importers and manufacturers

A: Background information

1. I respond on behalf of a company, which:
a) *

- [ ] Imports textiles directly from countries outside the EU
- [ ] Imports textiles from EU Member States
- [ ] Manufactures textiles in my country
- [ ] Other: (please specify)

b) *

- ( ) More than 250 employees
- ( ) 50-250 employees
- ( ) 10-50 employees
- ( ) Less than 10 employees

c) Is located in: *

Austria

2. Please give your best estimate of the volume of textiles that you have manufactured or imported in your country from outside the EU in e.g. 2012 or 2013?

Quantity (in tonnes - approximately) *

B: Monitoring of chemicals contained in textiles

3. Below are examples of strategies that could be used to ensure that the textile articles you import in your country comply with the existing EU (and national) regulations. Please indicate which strategies you have used in the recent years (e.g. in period 2010-2012): *

	We use this strategy for all shipments we received	We use this strategy for 50% of the shipments we received	We use this strategy for only a few of the shipments received	We haven't used this strategy 2010-2012 but intend to use it in the future	We haven't used this strategy 2010-2012 and do not intend to use it in the future
a) Contractual obligations: Our suppliers are required by contract to supply our company with articles that comply with EU and national regulations on chemicals	○	○	○	○	○
b) Testing of chemical content of textile articles: We conduct laboratory tests to determine that the chemical composition of articles fulfil the legal requirements	○	○	○	○	○
c) Information provision: We provide information to suppliers to make them aware of the existing EU/national regulations applicable to the imported articles	○	○	○	○	○

d) We use another strategy: *

- ○ Yes. Please specify: _____
- ○ No

4. Does your company monitor the NP and/or NPE content of manufactured or imported textile articles? *

- ○ Yes
- ○ No

5. If you answered "yes" to question 4, please specify the reasons for monitoring the NP and/or NPE content of manufactured or imported articles? *

- ☐ To comply with requirements under REACH[1]
- ☐ To comply with other EU or national regulations:
  Please specify:
- ☐ To obtain environmental or another certificate:
  Which one:
- ☐ To comply with voluntary agreement.
  Which one?

[1]*Producers and importers have to notify ECHA about the substances listed on the Candidate list (including NP and NPE) which are present in their articles, if both the following conditions are met: 1) The substance is present in their relevant articles above a concentration of 0.1% weight by weight and 2) The substance is present in these relevant articles in quantities totalling over one tonne per year. For further information, please see ECHA's website:http://echa.europa.eu/en/web/guest/regulations/reach/candidate-list-substances-in-articles/notification-of-substances-in-articles*

6. In case you monitor nonylphenol and/or nonylphenol ethoxylate content in imported or manufactured textile articles, could you please answer the following questions.

6.1 What test method do you use for monitoring: *

6.2 What is the cost of the test (cost per test in Euro - approximately) *

6.3 What is the frequency of testing in terms of number of textile articles tested of the total imported/manufactured?
Percentage (approximately) *

6.4 What is the detection limit? (Please specify in mg/kg of NP or NPE) *

6.5 If possible, please provide NP and/or NPE typical concentration per type of product tested. Please specify the product and the of NP or NPE concentration in mg/kg

6.6 Does this test analyse additional substances at the same time?

- Yes
- No

6.7 If yes, what other substances?

C: Additional and background questions

7. Would you like to receive a summary of the results of the survey? *

- Yes. Please give your contact details
- No

Contact details (will be used only for submitting the survey results to you): *

Your name

Company

Email

8. Please feel free to give any additional thoughts in the text box below: