

Annex VIII. Results of the analysis by sites

X – detected

--- - not analysed

<LOD – result is lower than Limit of detection

* Metals in sludge/sediments are measured in mg/kg

WW- wastewater, WS – sewage sludge, SW – surface water, BS – bottom sediments

MET – metals, Ph&E – phenols and ethoxylates, PAH – polycyclic aromatic hydrocarbons, COP – chloroorganic pesticides, VOC – volatile organic compounds, OT – organotin compounds, BDPE – brominated diphenylethers, Pht&E – phthalates and their ethoxylates, SCCP – short chain chlorinated parafins, PCP – pentachlorophenol, CN – cyanides, ChP – chlorpyrifos, AOX - Adsorbable Organic Halogen

Ecotoxicity:

- classification of wastewater according to Toxic print: not toxic - nt, slightly toxic- st), toxic - t), very toxic – vt, especially toxic – et;
- classification of wastewater according to PEEP-index: practically non-toxic - NT, slightly toxic - ST, toxic - T, very toxic - VT), especially toxic – ET.

	duplicate of sample
XXX	exceeds limits set by Lithuanian law
XXX	exceeds EC wide EQS
XXX	is of concern (in case no MAC or EQS for specific substance is existing or concentration is very close to MAC/EQS
	parallel samples of phtalates without foil and with foil

1. WWTP Džukijos vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	X	X	X	---	<LOD	X	<LOD	<LOD	<LOD	---	X
WS	---	---	X	---	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L		WS µg/kg*
MET*	Cadmium	0,5	0,55	
	Nickel	13	12	
	Lead	18	16	
	Arsenic	0,61	0,77	
	Copper	145	133	
	Zinc	408	373	
	Mercury	0,3	0,3	
Ph&E	iso-Nonylphenol	0,059		2190
	4-t-Pentylphenol			425
	4-t-Octylphenol			93
	Nonylphenolmonoethoxylate			12500
	Nonylphenoldiethoxylate			3150
PAH	Naphtalene	0,8		
	Anthracene	0,6		
	Fluoranthene	3,9		
OT	Monobutyltin	15,8		123
	Dibutyltin	2,13		90,9
	Tributyltin			5,7
	Monooctyltin			37,9
	Diocetyl tin			13,6
Pht&E	Dibutylphtalate			3270
	Di-2-ethylhexyl phthalate			56600
	Diisononyl phthalate			12700
ET	Charatox, Microtox, Thamnotox	t, T	nt, NT	

2. WWTP Varėnos vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	X	<LOD	---	X	X	<LOD	X	<LOD	---	no
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,63
	Nickel		13
	Lead		18
	Arsenic		0,51
	Copper		88
	Zinc		443
	Mercury		0,4
Ph&E	iso-Nonylphenol	0,085	1420
	4-t-Pentylphenol		35
	4-t-Octylphenol		33
	Nonylphenolmonoethoxylate		1820

Group of substances	Substances	WW µg/L	WS µg/kg*
PAH	Nonylphenoldiethoxylate		633
	Nonylphenoltriethoxylate		313
	Naphtalene		12,5
	Anthracene		2,1
	Fluoranthene		2,6
OT	Monobutyltin	15,5	92,2
	Dibutyltin	5,96	67,7
	Tributyltin		6
	Monooctyltin		23,1
	Diocetyl tin		9,7
Pht&E	Dibutylphthalate		726
	Di-2-ethylhexyl phthalate		25300
	Diisononyl phthalate		4050
VOC	Dichlormethane	5,9	
ET	Charatox, Microtox, Thamnotox	nt, NT	

3. WWTP Birštono vandentiekis

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ChP	ET
WW	---	---	X	---	---	<LOD	X	<LOD	X	<LOD	---	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	---	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,9
	Nickel		14
	Lead		23
	Arsenic		0,95
	Copper		137
	Zinc		614
	Mercury		0,5
	Ph&E	iso-Nonylphenol	0,21
4-t-Pentylphenol			30
4-t-Octylphenol			17
Nonylphenolmonoethoxylate			528
Nonylphenoldiethoxylate			224
PAH	Naphtalene		2,7
	Anthracene		20,1
	Fluoranthene		12,2
OT	Monobutyltin	18,5	191
	Dibutyltin	4,5	118
	Tributyltin		6,6
	Monooctyltin		41,7
	Tetrabutyltin		1,9
	Diocetyl tin		17,9
Pht&E	Dibutylphthalate		329
	Di-2-ethylhexyl phthalate	0,96	44200
	Diisononyl phthalate		6100
ET	Charatox, Microtox, Thamnotox	st, NT	

4. Nemunas at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	---	<LOD	X	---	<LOD	X
BS	X	<LOD	<LOD	X	---	<LOD	X	<LOD	<LOD	<LOD	<LOD	---

Group of substances	Substances	SW µg/L	BS µg/kg*
MET*	Cadmium		0,067
	Nickel		1,7
	Lead	1,1	1,6
	Arsenic		1
	Copper	0,55	0,64
	Zinc	9,4	7
	PAH	4-t-Octylphenol	0,02
Naphtalene		0,026	
Anthracene			0,3
Fluoranthene			5,6
Benzo(b)fluoranthene			0,8
Benzo(k)fluoranthene			0,4
Benzo(a)pyrene			7
Benzo[ghi]perylene			10

Group of substances	Substances	SW µg/L		BS µg/kg*	
	Indeno[1,2,3-cd]pyrene				10
OT	Monobutyltin				2,4
	Diisobutylphthalate		0,24		
	Di-2-ethylhexyl phthalate	0,18			
	Diisononyl phthalate	0,12			
Pht&E	Benzylbutylphthalate		0,31		
ET	Charatox, Microtox, Thamnotox	nt	st		

5. WWTP Klaipėdos vanduo

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ChP	ET
WW	X	<LOD	X	<LOD	---	X	X	<LOD	X	<LOD	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	<LOD	<LOD	---

Group of substances	Substances	WW µg/L			WS µg/kg*		
	Cadmium				0,45	0,58	
	Nickel			1,4	17	17	
	Lead				29	30	
	Arsenic				1,5	1,5	
	Copper		0,77	0,68	173	170	
	Zinc		42	43	550	543	
MET*	Mercury				1,2		
	iso-Nonylphenol					4410	
	4-t-Octylphenolmonoethoxylate					122	
	4-t-Octylphenoldiethoxylate					28	
	4-t-Octylphenol		0,02	0,02		102	
	Nonylphenolmonoethoxylate					27300	
	Nonylphenoldiethoxylate					20600	
Ph&E	Nonylphenoltriethoxylate					7220	
	Naphtalene						38,9
	Anthracene				10,91	6,46	72,1
	Fluoranthene				6,2	2	1,8
	Benzo(b)fluoranthene				26		
	Benzo(k)fluoranthene				8,9	1,2	1,5
	Benzo(a)pyrene				19		
PAH	Benzo[ghi]perylene				14		
	Monobutyltin	0,006	0,009	0,009	137	111	
	Dibutyltin	0,001	0,001	0,001	91,7	75	
	Tributyltin				41,7	38,3	
	Monooctyltin				27,8	41,3	
OT	Diocetyl tin				24,7	38,2	
	Diethylphthalate		0,07	0,08			
	Diisobutylphthalate	0,87	0,33	0,33		360	
	Dibutylphthalate	0,17	0,08	0,11	658	386	
	Benzylbutylphthalate		0,61	0,23			
	Di-2-ethylhexyl phthalate				24200	41600	
	Diisononyl phthalate				4840	78700	
Pht&E							
VOC	Tetrachlorethilene		0,21	0,27			
	Trichlorethilene		0,17	0,18			
ET	Charatox, Microtox, Thamnotox	t,T	nt, NT				

6. WWTP Šilutės vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	---	X	<LOD	X	<LOD	<LOD	not
WS	---	X	<LOD	---	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Mercury		0,05
PAH	Naphtalene	0,07	
	Monobutyltin	0,007	75,9
	Dibutyltin	0,001	44,9
	Tributyltin		4,3
	Monooctyltin		17,8
OT	Diocetyl tin		18
	Diisobutylphthalate	1,02	
	Dibutylphthalate	0,53	1190
	Di-2-ethylhexyl phthalate		16500
Pht&E	Diisononyl phthalate		5890

7. WWTP Tauragės vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	<LOD	X
WS	---	X	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Mercury		0,2
PAH	Naphtalene	0,042	
	Anthracene		3,13
	Fluoranthene		1,6
	Benzo(b)fluoranthene		11,6
	Benzo(k)fluoranthene		2,2
ET	Charatox, Microtox, Thamnotox	t, T	

8. Nemunas at Rusnė

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	---	---	<LOD	<LOD	---	<LOD	---	---	X	---	<LOD	X
BS	---	---	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
Ph&E	iso-Nonylphenol		3220
PAH	Naphtalene		1,2
OT	Monobutyltin		150
	Dibutyltin		100
	Tributyltin		12,4
	Tetrabutyltin		53,3
	Monooctyltin		34,1
Pht&E	Dibutylphthalate	0,2	481
	Diisobutylphthalate		1700
	Di-2-ethylhexyl phthalate	3,45	64100
BDPE	Tetrabromobisphenol A, TBBPA		14
	Tetrabromodiphenyl ether, PBDE-47		6,3
ET	Charatox, Microtox, Thamnotox	st	

9. Bartuva at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	---	---	<LOD	X	---	<LOD	---	---	X	---	<LOD	---
BS	---	---	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
PAH	Naphtalene	0,041	1,1
	Anthracene		0,2
	Benzo(b)fluoranthene		0,9
	Benzo(k)fluoranthene		0,3
	Benzo(a)pyrene		0,7
Pht&E	Diisobutyl phthalate	5,12	

10. Akmena at the estuary

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	---	---	<LOD	X	---	<LOD	---	---	X	---	<LOD	---
BS	---	---	<LOD	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
PAH	Naphtalene	0,038	
	Anthracene		91,84
	Fluoranthene		104,1
	Benzo(b)fluoranthene		85,8
	Benzo(k)fluoranthene		36,6
	Benzo(a)pyrene		70,6
	Benzo[ghi]perylene		74
	Indeno[1,2,3-cd]pyrene		63
OT	Monobutyltin		12,9
	Dibutyltin		22,1
	Tributyltin		585

Group of substances	Substances	SW µg/L	BS µg/kg*
	Tetrabutyltin		7,1
	Diisobutylphthalate	5,6	
	Dibutylphthalate	0,17	
Pht&E	Di-2-ethylhexyl phthalate	2,19	278
	Diisononyl phthalate	1	

11. Šventoji river at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	---	---	<LOD	X	---	<LOD	---	---	X	---	<LOD	not
BS	---	---	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
	Naphtalene	0,069	3,9
	Anthracene		0,2
	Benzo(b)fluoranthene		1
	Benzo(k)fluoranthene		3
	Benzo(a)pyrene		7
PAH	Benzo[ghi]perylene		1
	Diisobutylphthalate	2,95	
	Dibutylphthalate	0,07	
Pht&E	Di-2-ethylhexyl phthalate	0,98	

12. Malkų bay at Klaipėda

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	---	<LOD	X	---	<LOD	X
BS	X	X	X	X	<LOD	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	SW µg/L		BS µg/kg*		
	Cadmium				0,19	
	Nickel				13	
	Lead				14	
	Arsenic				3,8	
	Copper		2		52	
	Zinc		42		107	
MET*	Mercury				0,15	
Ph&E	iso-Nonylphenol				129	100
	4-t-Octylphenol		0,03			
	Naphtalene	0,056	0,023			
	Anthracene			1,9	55,91	
	Fluoranthene			29,9	389,8	
	Benzo(b)fluoranthene			55,5	199,5	
	Benzo(k)fluoranthene		0,001	26,6	129,6	
	Benzo(a)pyrene		0,003	51,3	294	
PAH	Benzo[ghi]perylene			37	102	
	Indeno[1,2,3-cd]pyrene			28	127	
	Monobutyltin			55,8	36,9	56,8
	Dibutyltin			124	11	164
	Tributyltin			1920	2400	2270
OT	Monophenyltin				3,3	5
	Triphenyltin			6,4	7,4	
	Diethylphthalate		0,06			
	Diisobutylphthalate	2,55	0,34		86	1000
	Dibutylphthalate	0,36		96	178	165
	Benzylbutylphthalate			404	288	404
	Di-2-ethylhexyl phthalate	0,81	0,13	244	364	503
Pht&E	Diisononyl phthalate			17400		
ET	Charatox, Microtox, Thamnotox	st				

13. Harbour area at the gates

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	---	---	<LOD	X	---	<LOD	---	---	X	---	<LOD	X
BS	---	---	<LOD	X	---	---	X	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
PAH	Naphtalene	0,054	
	Anthracene		3,46
	Fluoranthene		23,6
	Benzo(b)fluoranthene		16,5
	Benzo(k)fluoranthene		6,9
	Benzo(a)pyrene		13,6
	Benzo[ghi]perylene		10
	Indeno[1,2,3-cd]pyrene		9
OT	Monobutyltin		1,5
	Dibutyltin		3,5
	Tributyltin		35,8
Pht&E	Diisobutylphtalate	0,41	
	Di-2-ethylhexyl phtalate	0,82	
ET	Charatox, Microtox, Thamnotox	t	

14. Harbour teritory (at JSC Klaipėdos kartonas)

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	X	<LOD	X	<LOD	<LOD	X
BS	X	<LOD	<LOD	X	<LOD	---	X	<LOD	<LOD	<LOD	<LOD	---

Group of substances	Substances	SW µg/L		BS µg/kg*			
MET*	Cadmium	0,23		0,057	0,13		
	Nickel			2,6	9,3		
	Lead			1,8	10,7		
	Arsenic			1,1	2,9		
	Copper	13	4,9	3,9	2,6	7,2	
	Zinc	50	41	40	14	32	
	Ph&E	4-t-Octylphenol		0,03	0,02		
PAH	Naphtalene	0,04		0,006			
	Anthracene			0,97	6,3	4,92	
	Fluoranthene			9,7	45,5	37,5	
	Benzo(b)fluoranthene			11,1	22,9	16,8	
	Benzo(k)fluoranthene			4,9	13,3	9,2	
	Benzo(a)pyrene			8	258	17,7	
	Benzo[ghi]perylene			6	10	8	
OT	Indeno[1,2,3-cd]pyrene			6	13	11	
	Monobutyltin		0,004	0,005	1,9	4,7	2,3
	Dibutyltin		0,007	0,007	1,7	5,4	1,9
Pht&E	Tributyltin		0,012	0,011	12,8	68,5	23,7
	Diisobutylphtalate		0,49	0,68			
	Benzylbutylphtalate			0,07			
ET	Di-2-ethylhexyl phtalate	1,27	0,23	0,41			
ET	Charatox, Microtox, Thamnotox	t	t				

15. Nemunas after Sovietsk

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	CN	AOX	ET
SW	X	<LOD	X	X	<LOD	<LOD	X	<LOD	X	<LOD	<LOD	<LOD	<LOD	X
BS	X	<LOD	<LOD	X	<LOD	---	<LOD	<LOD	X	<LOD	<LOD	<LOD	X	---

Group of substances	Substances	SW µg/L		BS µg/kg*	
MET*	Cadmium			0,014	0,026
	Nickel		1,8	0,66	3,3
	Lead			0,52	3,8
	Arsenic			1,8	3,8
	Copper	0,66	0,56	0,35	1
	Zinc	13		7,5	1,4
	Ph&E	4-t-Octylphenol		0,02	
PAH	Naphtalene	0,071	0,013	2,9	
	Fluoranthene			0,9	
	Benzo(b)fluoranthene			3,8	
	Benzo(k)fluoranthene		0,001	0,1	2,3

Group of substances	Substances	SW µg/L	BS µg/kg*
	Benzo(a)pyrene		0,6 2,3
	Benzo[ghi]perylene		3
	Indeno[1,2,3-cd]pyrene		3
OT	Monobutyltin	0,008	
	Dibutyltin	0,004	
Pht&E	Diisobutylphthalate	1,07	0,1
	Benzylbutylphthalate		0,87
	Di-2-ethylhexyl phthalate	0,61	72
AOX			16000
ET	Charatox, Microtox, Thamnotox	st	

16. WWTP of Marijampolė

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	X	X	<LOD	X	<LOD	---	X
WS	---	---	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
Ph&E	iso-Nonylphenol		145
	Nonylphenolmonoethoxylate		400
	Nonylphenoldiethoxylate		470
PAH	Naphtalene	0,031	0,5
	Fluoranthene		0,7
	Benzo(a)pyrene	0,002	
OT	Monobutyltin	12,7	145
	Dibutyltin	15,1	66
	Tributyltin		5,8
	Monooctyltin		23,9
	Diocetyl tin		13,1
Pht&E	Diethylphthalate	0,07	
	Diisobutylphthalate	0,57	
	Dibutylphthalate	0,13	300
	Di-2-ethylhexyl phthalate	0,05	20800
	Diisononyl phthalate		4320
VOC	Tetrachlorethilene	0,16	
ET	Charatox, Microtox, Thamnotox	t,T	

17. WWTP of Vilkaviškis

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	X	X	---	X	X	<LOD	X	<LOD	---	X
WS	---	---	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
Ph&E	4-t-Pentylphenol		25
	4-t-Octylphenol	0,09	434
	iso-Nonylphenol	0,078	1420
	Nonylphenolmonoethoxylate		1030
	Nonylphenoldiethoxylate		280
	Nonylphenoltriethoxylate		303
	Nonylphenoltetraethoxylate		257
PAH	Naphtalene	0,03	0,9
	Anthracene		0,3
	Benzo(k)fluoranthene	0,001	
	Benzo(a)pyrene	0,002	
OT	Monobutyltin	17	162
	Dibutyltin	2,12	60,3
	Tributyltin		7
	Monooctyltin		32,1
	Diocetyl tin		15,1
	Triphenyltin		2,8
Pht&E	Diisobutylphthalate	0,21	
	Dibutylphthalate		467
	Di-2-ethylhexyl phthalate		15300
	Diisononyl phthalate	0,3	1870

Group of substances	Substances	WW µg/L	WS µg/kg*
VOC	Tetrachlorethylene	0,19	
ET	Charatox, Microtox, Thamnotox	t, ST t, ST	

18. WWTP of Šakiai

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	<LOD	X	<LOD	X	<LOD	---	X
WS	---	---	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
Ph&E	4-t-Butylphenol		22
	4-t-Pentylphenol		157
	4-t-Octylphenol		30
	iso-Nonylphenol		791
	Nonylphenolmonoethoxylate		1150
	Nonylphenoldiethoxylate		590
PAH	Naphtalene	0,023	9
	Anthracene	0,001	3,9
	Benzo(k)fluoranthene	0,001	
	Benzo(a)pyrene	0,002	
OT	Monobutyltin	11,1	117
	Dibutyltin	2,32	74,6
	Tributyltin		6,4
	Monooctyltin		15,3
	Diocetyl tin		10,3
Pht&E	Diisobutylphthalate	0,35	
	Dibutylphthalate		295
	Di-2-ethylhexyl phthalate		24900
	Diisononyl phthalate		3010
ET	Charatox, Microtox, Thamnotox	vt,ST st, NT	

19. WWTP of Kazlų Rūda

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	X	X	---	<LOD	X	<LOD	X	<LOD	---	X
WS	---	---	X	X	---	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*	
Ph&E	4-t-Butylphenol	0,078		
	4-t-Pentylphenol		43	
	4-t-Octylphenol		425	
	iso-Nonylphenol	0,2	6730	
	Nonylphenolmonoethoxylate		1330	
	Nonylphenoldiethoxylate		263	
PAH	Naphtalene		6,2	
	Anthracene		6,6	
	Fluoranthene		8,2	
	Benzo(b)fluoranthene	0,005		
	Benzo(k)fluoranthene	0,002		
	Benzo(a)pyrene	0,003		
OT	Monobutyltin	16,2	234	
	Dibutyltin	6,53	129	
	Tributyltin		10,2	
	Monooctyltin		36,5	
	Diocetyl tin		15,5	
Pht&E	Diisobutylphthalate	0,24	574	897
	Dibutylphthalate		2390	1730
	Benzylbutylphthalate			182
	Di-2-ethylhexyl phthalate	0,34	175000	45400
	Diisononyl phthalate		30300	22600
ET	Charatox, Microtox, Thamnotox	st, NT st, NT		

20. WWTP Aukštaitijos vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	X	<LOD	<LOD	---	<LOD	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	WW µg/L		WS µg/kg*
MET*	Cadmium			5,8
	Nickel	1,8		28
	Lead	4		1290
	Arsenic			0,82
	Copper	1,1		127
	Zinc	28		1140
	Mercury	0,03		0,5
Ph&E	4-t-Butylphenol			13
	4-t-Octylphenol			216
	iso-Nonylphenol			1200
	4-t-Octylphenolmonoethoxylate			128
	Nonylphenolmonoethoxylate			6850
	Nonylphenoltriethoxylate			4790
	Nonylphenoldiethoxylate			1860
BDPE	Tetrabromobisphenol A, TBBPA			12,3
PAH	Anthracene			0,3
OT	Monobutyltin	0,029		237
	Dibutyltin	0,004		128
	Tributyltin			21,7
	Monooctyltin			85,1
	Diocetyl tin			70,8
Pht&E	Diethylphtalate		0,1	
	Diisobutylphtalate	0,22	0,68	186
	Dibutylphtalate			306
	Benzylbutylphtalate	0,66		
	Diphenylphtalate			16300
	Dibutoxyethyl phtalate		0,1	
	Di-2-ethylhexyl phtalate	3,22	2,52	1,95
Diisononyl phtalate				17000
ET	Charatox, Microtox, Thamnotox	t, T	t, T	

21. WWTP Rokiškio vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	<LOD	<LOD	X	---	<LOD	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L		WS µg/kg*
MET*	Cadmium			0,36
	Nickel	1,2	1,3	7,3
	Lead			16
	Arsenic			0,25
	Copper		5,5	145
	Zinc	43	56	393
	Mercury			0,2
Ph&E	iso-Nonylphenol			3060
	Nonylphenolmonoethoxylate			2610
	Nonylphenoldiethoxylate			2870
	Nonylphenoltriethoxylate			1390
PAH	Naphtalene	0,006		2,2
	Anthracene			1,2
OT	Monobutyltin	0,006		455
	Dibutyltin	0,002		238
	Tributyltin			53,2
	Monooctyltin			85,1
	Diocetyl tin			70,8
Pht&E	Diisobutylphtalate	0,96		429
	Dibutylphtalate	0,18		19600
	Di-2-ethylhexyl phtalate	0,2		80800

Group of substances	Substances	WW µg/L	WS µg/kg*
ET	Charatox, Microtox, Thamnotox	st, NT	

22. Nemunėlis river at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	---	---	<LOD	<LOD	---	<LOD	---	---	X	---	<LOD	---
BS	---	---	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
PAH	Naphtalene		3,3
	Anthracene		0,1
Pht&E	Diisobutylphthalate	0,23	
	Dibutylphthalate	0,19	
	Di-2-ethylhexyl phthalate	0,09	

23. Mūša river at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	---	---	<LOD	<LOD	---	<LOD	---	---	<LOD	---	<LOD	---
BS	---	---	<LOD	X	---	---	<LOD	<LOD	X	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
PAH	Naphtalene		2,3
Pht&E	Di-2-ethylhexyl phthalate		71

24. WWTP Utenos vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	---	X	<LOD	X	<LOD	<LOD	X
WS	---	---	X	X	---	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*
Ph&E	4-t-Octylphenol		757
	iso-Nonylphenol		21900
	Nonylphenolmonoethoxylate		21600
PAH	Naphtalene	0,038	
	Anthracene		3,94
	Fluoranthene		6,8
	Benzo(b)fluoranthene		9,2
	Benzo(k)fluoranthene		3
	Benzo(a)pyrene		6,5
OT	Monobutyltin	0,006	92,9
	Dibutyltin		72,6
	Tributyltin		6,9
	Monoctyltin		16,4
	Diocyltin		17,6
Pht&E	Dimethylphthalate		180
	Diisobutylphthalate	2,51	225
	Dibutylphthalate	0,09	574
	Benzylbutylphthalate		288
	Di-2-ethylhexyl phthalate	0,5	49000
	Diisononyl phthalate		71100
ET	Charatox, Microtox, Thamnotox	st, NT	

25. WWTP Anykščių vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	X	X	---	<LOD	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	X	X	<LOD	X	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,61
	Nickel		12
	Lead		16
	Arsenic		2,6

Group of substances	Substances	WW µg/L		WS µg/kg*	
	Copper			145	
	Zinc			470	
	Mercury			0,2	
Ph&E	iso-Nonylphenol				552
	4-t-Octylphenolmonoethoxylate				31
	Nonylphenolmonoethoxylate				2510
	Nonylphenoldiethoxylate				744
BDPE	Tetrabromobisphenol A, TBBPA			8,8	
PAH	Naphtalene	0,052			
	Anthracene			3,38	
	Fluoranthene			33,5	
	Benzo(b)fluoranthene			14,3	
	Benzo(k)fluoranthene			5,5	
	Benzo(a)pyrene			10,4	
	Benzo[ghi]perylene			8	
OT	Monobutyltin	0,01		186	51,5
	Dibutyltin	0,004		65,4	5,9
	Tributyltin			9,3	1,5
	Monooctyltin			30,5	6,8
	Diocetyl tin			26,8	2,5
Pht&E	Diethylphtalate		0,07	0,11	
	Diisobutylphtalate	0,83	0,46	1,28	271
	Dibutylphtalate	0,17	0,08	0,23	1110
	Benzylbutylphtalate		0,06	1,31	
	Di-2-ethylhexyl phthalate	2,75	0,36	0,42	36600
	Diisononyl phthalate	8,93	0,42		5080
PCP				54,7	
ET	Charatox, Microtox, Thamnotox	st, NT			

26. Dysna river at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	X	<LOD	<LOD	X	<LOD	<LOD	---	---	X	---	<LOD	---
BS	X	<LOD	<LOD	X	<LOD	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
MET*	Cadmium		0,047
	Nickel		5,1
	Lead		2,6
	Arsenic		1,8
	Copper	0,78	4
	Zinc	6,8	13
PAH	Naphtalene	0,051	1,3
	Anthracene		0,3
	Fluoranthene		2,2
	Benzo(b)fluoranthene		1,3
	Benzo(k)fluoranthene		0,4
	Benzo(a)pyrene		0,8
Pht&E	Diisobutylphtalate	1,61	
	Dibutylphtalate	1,19	
	Di-2-ethylhexyl phthalate	3,85	
	Diisononylphthalate	6,97	

27. WWTP Šiaulių vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	---	<LOD	<LOD	---	---	<LOD	<LOD	<LOD	<LOD	---	X
WS	X	---	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		1,6
	Nickel	2,3	20
	Lead		19
	Arsenic	16	0,5

Group of substances	Substances	WW µg/L	WS µg/kg*
	Copper		119
	Zinc	16	538
Ph&E	4-t-Octylphenol		83
	iso-Nonylphenol		3510
	4-t-Octylphenolmonoethoxylate		30
	Nonylphenolmonoethoxylate		2650
	Nonylphenoldiethoxylate		1670
	Nonylphenoltriethoxylate		383
BDPE	Tetrabromobisphenol A, TBBPA		8,9
PAH	Naphtalene		2
	Anthracene		3,9
	Fluoranthene		11,1
	Benzo(b)fluoranthene		0,7
	Benzo(k)fluoranthene		0,2
	Benzo(a)pyrene		0,7
OT	Monobutyltin		316
	Dibutyltin		165
	Tributyltin		17,1
	Tetrabutyltin		9,4
	Monooctyltin		53,9
	Diocetyl tin		42,2
Pht&E	Diisobutylphtalate		108
	Dibutylphtalate		462
	Diphenylphtalate		11200
	Di-2-ethylhexyl phtalate		26400
	Diisononylphtalate		15500
ET	Charatox, Microtox, Thamnotox	t, T nt, NT	

28. WWTP Plungės vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	---	<LOD	<LOD	---	---	<LOD	<LOD	X	<LOD	---	X
WS	X	---	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,6
	Nickel		11
	Lead		15
	Arsenic		0,87
	Copper		94
	Zinc	15	488
Ph&E	4-t-Butylphenol		23
	4-t-Octylphenol		233
	iso-Nonylphenol		17100
	4-t-Octylphenolmonoethoxylate		340
	Nonylphenolmonoethoxylate		17300
	Nonylphenoldiethoxylate		10400
Nonylphenoltriethoxylate		4320	
BDPE	Tetrabromobisphenol A, TBBPA		37,7
PAH	Anthracene		2,8
	Benzo(k)fluoranthene		1,7
	Benzo(a)pyrene		7,5
OT	Monobutyltin		245
	Dibutyltin		186
	Tributyltin		15,5
	Monooctyltin		165
	Diocetyl tin		69,8
Pht&E	Diisobutylphtalate	0,6	2460
	Dibutylphtalate	0,09	1760
	Dipentylphtalate		62900
	Di-2-ethylhexyl phtalate		438000
ET	Charatox, Microtox, Thamnotox	st, NT	

29. WWTP Mažeikių nafta (WW of town)

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	---	<LOD	---	---	---	<LOD	<LOD	X	<LOD	---	X
WS	X	---	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		2,3
	Nickel	1,4	65
	Lead		16
	Arsenic		2,7
	Copper		88
	Zinc	14	199
Ph&E	4-t-Octylphenol		102
	iso-Nonylphenol		4420
	4-t-Octylphenolmonoethoxylate		38
	Nonylphenolmonoethoxylate		2090
	Nonylphenoldiethoxylate		199
	Nonylphenoltriethoxylate		111
BDPE	Tetrabromobisphenol A, TBBPA		
PAH	Naphtalene		0,8
	Anthracene		12,4
	Fluoranthene		71
	Benzo(b)fluoranthene		17,3
	Benzo(k)fluoranthene		6,1
	Benzo(a)pyrene		15,2
	Benzo[ghi]perylene		19,6
OT	Monobutyltin		121
	Dibutyltin		48,2
	Tributyltin		10,4
	Tetrabutyltin		5,2
	Monooctyltin		34,1
	Diocetyl tin		19,1
Pht&E	Diisobutylphthalate	0,59	
	Dibutylphthalate	0,1	76
	Di-2-ethylhexyl phthalate	0,23	18200
	Diisononylphthalate		5260
ET	Charatox, Microtox, Thamnotox	t, T st, ST	

30. WWTP Radviliškio vanduo

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	---	X	---	---	---	X	<LOD	X	<LOD	---	X
WS	X	---	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,38
	Nickel	1,3	11
	Lead		185
	Arsenic		1,2
	Copper	2,7	126
	Zinc	11	418
Ph&E	4-t-Butylphenol		38
	4-t-Pentylphenol	0,085	
	4-t-Octylphenol	0,03	355
	iso-Nonylphenol	1,03	45900
	4-t-Octylphenolmonoethoxylate	0,023	288
	Nonylphenolmonoethoxylate	0,41	94900
	Nonylphenoldiethoxylate		38500
	Nonylphenoltriethoxylate		8410
BDPE	4-n-Nonylphenol	0,032	
	Tetrabromobisphenol A, TBBPA		83,7
	Tetrabromodiphenyl ether, PBDE-47		18,2
PAH	Pentabromodiphenyl ether, PBDE-99		29,5
PAH	Naphtalene		
	Anthracene		28,1

Group of substances	Substances	WW µg/L		WS µg/kg*
	Fluoranthene			94,4
	Benzo(b)fluoranthene			36,2
	Benzo(k)fluoranthene			15,5
	Benzo(a)pyrene			26,2
	Benzo[ghi]perylene			18
OT	Monobutyltin	0,02		79,7
	Dibutyltin	0,003		103
	Tributyltin			16,3
	Monooctyltin			46,2
	Diocetyl tin			26,5
Pht&E	Diethylphtalate		0,08 0,09	
	Diisobutylphtalate	0,67	0,65 1,64	1180
	Dibutylphtalate	0,09		686
	Dipentylphtalate			63600
	Dibutoxyethyl phthalate		0,28 0,14	
	Di-2-ethylhexyl phthalate		0,24 0,27	148000
	Dicyclohexyl phthalate	0,26		
	Diisononylphtalate			1,23 23900
ET	Charatox, Microtox, Thamnotox	t, ST		

31. Venta river at the border

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
SW	---	---	<LOD	X	---	X	---	---	X	---	<LOD	---
BS	---	---	<LOD	X	---	---	<LOD	<LOD	<LOD	<LOD	---	---

Group of substances	Substances	SW µg/L	BS µg/kg*
VOC	Chloroform	388	
PAH	Naphtalene	0,01	
	Anthracene		0,1
	Fluoranthene		1,8
Pht&E	Di-2-ethylhexyl phthalate	1,33	

32. Neris river at Buivydžiai

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	---	---	<LOD	X	---	<LOD	X
BS	X	<LOD	<LOD	X	<LOD	<LOD	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	SW µg/L	BS µg/kg*
MET*	Cadmium		0,035
	Nickel	1,6	2,2
	Lead		1,1
	Arsenic		0,78
	Copper	2,9	0,3
	Zinc	20	4,4
	Ph&E	4-t-Octylphenol	
PAH	Naphtalene	0,047	
	Anthracene		0,2
	Fluoranthene		1,8 2,2
	Benzo(b)fluoranthene		1,2 1,4
	Benzo(k)fluoranthene		0,4 0,9
	Benzo(a)pyrene		0,6 1,7
OT	Monobutyltin		2,1 15,8
	Dibutyltin		1,9
	Tributyltin		1,6
Pht&E	Diisobutylphtalate	0,39	
	Dibutylphtalate	1,25	4150
	Dimethoxyethyl phthalate	0,15	
	Di-2-ethylhexyl phthalate	0,68	173
	Benzylbutylphtalate	0,81	
ET	Charatox, Microtox, Thamnotox	st	

33. WWTP Vilniaus vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	<LOD	X	X	---	X	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	X	X	<LOD	---	---

Group of substances	Substances	WW µg/L		WS µg/kg*			
MET*	Cadmium		0,14	0,11	5,5	5,2	
	Nickel		18	21	75	79	
	Lead				40	42	
	Arsenic				1,1	1,1	
	Copper		5,2	4,4	185	195	
	Zinc		65	57	650	715	
	Mercury				0,2	1,4	
Ph&E	4-t-Octylphenol	0,05			350		
	iso-Nonylphenol	0,087			7180		
	4-t-Octylphenolmonoethoxylate				313		
	4-t-Octylphenoldiethoxylate				59		
	Nonylphenolmonoethoxylate				43800		
	Nonylphenoldiethoxylate				29700		
BDPE	Nonylphenoltriethoxylate				5680		
	Tetrabromobisphenol A, TBBPA				14,4		
	Pentabromodiphenyl ether, PBDE-99				5,4		
PAH	Decabromodiphenyl ether, PBDE-209				3410		
	Naphtalene			0,016			
	Anthracene				8,89	13,11	7,9
	Fluoranthene				75,6	10,3	6
	Benzo(b)fluoranthene				29		
	Benzo(k)fluoranthene				13,7	1	1,2
OT	Benzo(a)pyrene				22,3	0,9	0,6
	Monobutyltin	0,008	0,011	0,012	185		
	Dibutyltin	0,003	0,001	0,001	124		
	Tributyltin				13,5		
	Monooctyltin				72,9		
Pht&E	Diocetyl tin				59,5		
	Diisobutylphtalate	1,03	0,48	0,87	2430		
	Dibutylphtalate	0,31			819		
	Benzylbutylphtalate						
VOC	Di-2-ethylhexyl phtalate	1,55	0,26	0,2	68900		
	Diisononylphtalate				79600		
ET	Tetrachlorethilene		0,64	0,64			
	Charatox, Microtox, Thamnotox	t, VT	st, ST				

34. WWTP Ukmergės vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	<LOD	<LOD	---	---	---	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L		WS µg/kg*	
MET*	Cadmium	0,087	0,077	0,63	
	Nickel			10	
	Lead			12	
	Arsenic			0,26	
	Copper			83	
	Zinc	11	12	350	
	Mercury			0,2	
Ph&E	4-t-Butylphenol			11	
	4-t-Octylphenol			55	
	iso-Nonylphenol			744	
	4-t-Octylphenolmonoethoxylate			30	
	Nonylphenolmonoethoxylate			1050	
PAH	Anthracene			28,36	
	Fluoranthene			59,4	
	Benzo(b)fluoranthene			28,1	
	Benzo(k)fluoranthene			104	

Group of substances	Substances	WW µg/L		WS µg/kg*
	Benzo(a)pyrene			17,6
	Benzo[ghi]perylene			11
OT	Monobutyltin	0,006		37,8
	Dibutyltin	0,003		42,4
	Tributyltin			4,1
	Monooctyltin			23,5
	Diocetyl tin			20
Pht&E	Diisobutylphthalate	1,48		373
	Dibutylphthalate	1,08		1120
	Benzybutylphthalate			75
	Di-2-ethylhexyl phthalate	3,74		19100
	Diisononyl phthalate			23600
ET	Charatox, Microtox, Thamnotox	t, ST	t, ST	

35. WWTP of Švenčionėliai

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	X	X	---	---	---	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L		WS µg/kg*	
MET*	Cadmium			0,58	
	Nickel	7		14	
	Lead	3,9		24	
	Arsenic			1,5	
	Copper	10		78	
	Zinc	350		892	
	Mercury	0,03		0,2	
Ph&E	4-t-Butylphenol	0,035		13	
	4-t-Octylphenol	0,07		140	
	iso-Nonylphenol	1,84		6440	
	4-t-Octylphenolmonoethoxylate			173	
	4-t-Octylphenoldiethoxylate			88	
	Nonylphenolmonoethoxylate			11800	
PAH	Nonylphenoldiethoxylate			2730	
	Anthracene			2,35	
	Fluoranthene			18,8	
	Benzo(b)fluoranthene			9	
	Benzo(k)fluoranthene			2,9	
	Benzo(a)pyrene			5,4	
	Benzo[ghi]perylene			5	
OT	Indeno[1,2,3-cd]pyrene			3	
	Monobutyltin	0,12		37,8	
	Dibutyltin	0,17		42,4	
	Tributyltin			4,1	
	Monooctyltin	0,013		17,5	
Pht&E	Diocetyl tin	0,01		14,8	
	Diethylphthalate		1,77	1,92	
	Diisobutylphthalate	9,42	1,87	8,67	114
	Dibutylphthalate	0,93	0,2	0,18	5420
	Dibutoxyethyl phthalate			0,74	
	Di-2-ethylhexyl phthalate	53,2	10,4	11,7	34200
	Diisononylphthalate	15,9	3,78	8,32	16400
ET	Charatox, Microtox, Thamnotox	t, ST			
	Di-n-octyl phthalate		0,12	0,12	

36. WWTP of Pabradė

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	<LOD	<LOD	---	---	<LOD	X	<LOD	X	<LOD	<LOD	X
WS	X	X	X	X	---	---	X	X	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium	0,084	3,1
	Nickel	1	42

Group of substances	Substances	WW µg/L	WS µg/kg*	
	Lead			21
	Arsenic			0,76
	Copper			211
	Zinc	179		477
	Mercury			0,3
Ph&E	4-t-Pentylphenol			16
	4-t-Octylphenol			436
	iso-Nonylphenol			25400
	4-t-Octylphenolmonoethoxylate			71
	4-t-Octylphenoldiethoxylate			15
	Nonylphenolmonoethoxylate			19100
	Nonylphenoldiethoxylate			1520
PAH	Anthracene			19,24
	Fluoranthene			157,3
	Benzo(b)fluoranthene			77,1
	Benzo(k)fluoranthene			28,3
	Benzo(a)pyrene			47,1
	Benzo[ghi]perylene			53
	Indeno[1,2,3-cd]pyrene			31
OT	Monobutyltin		0,005	296
	Dibutyltin			136
	Tributyltin			9,7
	Monooctyltin			165
	Diocetyl tin			81,8
Pht&E	Dibutylphthalate	0,77		1160
	Diisobutylphthalate	1,08		202
	Benzylbutylphthalate			104
	Di-2-ethylhexyl phthalate	0,72		36200
	Diisononyl phthalate			45200
BDPE	Tetrabromobisphenol A, TBBPA			
	Pentabromodiphenyl ether, PBDE-99			5,1
	Decabromodiphenyl ether, PBDE-209			293
ET	Charatox, Microtox, Thamnotox	st, NT		

37. WWTP Kauno vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ChP	ET
WW	X	<LOD	X	X	---	<LOD	X	<LOD	X	<LOD	---	<LOD	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	<LOD	<LOD	---

Group of substances	Substances	WW µg/L		WS µg/kg*
MET*	Cadmium	0,057		1,3
	Nickel	2,1		24
	Lead			36
	Arsenic			3,6
	Copper	3,7		174
	Zinc	190		864
	Mercury			1,2
Ph&E	4-t-Butylphenol			39
	4-t-Pentylphenol			77
	4-t-Octylphenol	0,12		730
	iso-Nonylphenol	1,59		51800
	Nonylphenolmonoethoxylate	2,2		18200
	Nonylphenoldiethoxylate			2070
PAH	Naphtalene			135
	Anthracene	0,001		40
	Fluoranthene			92,8
	Benzo(b)fluoranthene			1,1
	Benzo(k)fluoranthene	0,001		5
OT	Monobutyltin	6,02		221
	Dibutyltin	5,32		219
	Tributyltin			13,1
	Monooctyltin			70,1
	Diocetyl tin			34,3
Pht&E	Dimethylphthalate		0,32 0,19	351

Group of substances	Substances	WW µg/L			WS µg/kg*	
	Diethylphthalate	1,19	1,56	1,04		
	Diisobutylphthalate	0,24	2,89	1,73	1390	426
	Dibutylphthalate				892	1030
	Benzylbutylphthalate					182
	Dibutoxyethyl phthalate			0,06		
	Di-2-ethylhexyl phthalate	2,97	4,25	4,19	136000	55900
	Diisononylphthalate	1,03	1,6		39700	44100
ET	Charatox, Microtox, Thamnotox	t, T	st, T			

38. WWTP Kėdainių vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	---	---	<LOD	X	---	X	X	<LOD	X	<LOD	---	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*	
MET*	Cadmium		0,83	
	Nickel		20	
	Lead		25	
	Arsenic		2,5	
	Copper		112	
	Zinc		0,544	
	Mercury		0,7	
Ph&E	4-t-Butylphenol		82	
	4-t-Pentylphenol		192	
	4-t-Octylphenol		582	
	iso-Nonylphenol		32800	
	Nonylphenolmonoethoxylate		5750	
PAH	Naphtalene		56	
	Anthracene		5,4	
	Fluoranthene		26,2	
	Benzo(k)fluoranthene	0,001	3,9	
	Benzo(a)pyrene	0,002	13	
OT	Monobutyltin	19,6	207	
	Dibutyltin	6,56	154	
	Tributyltin		6,2	
	Monooctyltin		56,5	
	Diocetyl tin		23,3	
Pht&E	Dimethylphthalate			356
	Diethylphthalate			62
	Dibutylphthalate	0,09	10400	5990
	Diisobutylphthalate	0,78	1950	682
	Di-2-ethylhexyl phthalate	0,33	56700	54900
	Diisononyl phthalate		10900	68100
VOC	Dichlormethane	5		
ET	Charatox, Microtox, Thamnotox	st, NT		

39. WWTP Jonavos vandenys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
WW	X	<LOD	<LOD	X	---	<LOD	X	<LOD	X	<LOD	---	X
WS	X	X	X	X	---	---	X	<LOD	X	<LOD	---	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		0,87
	Nickel	2,7	27
	Lead		19
	Arsenic		1,2
	Copper	0,69	228
	Zinc	45	489
	Mercury		1,2
Ph&E	4-t-Buthylphenol		295
	4-t-Pentylphenol		222
	4-t-Octylphenol		1100
	iso-Nonylphenol		15500

Group of substances	Substances	WW $\mu\text{g/L}$	WS $\mu\text{g/kg}^*$
	Nonylphenolmonoethoxylate		3020
PAH	Naphtalene		221,2
	Anthracene		13,6
	Fluoranthene		210,9
	Benzo(b)fluoranthene		160,6
	Benzo(k)fluoranthene	0,001	69,4
	Benzo(a)pyrene	0,002	122,2
	Benzo[ghi]perylene		65,4
OT	Monobutyltin	13,8	886
	Dibutyltin	2,21	382
	Monooctyltin		123
	Diocetyl tin		48,3
Pht&E	Diisobutylphtalate	0,13	940
	Dibutylphtalate		9120
	Di-2-ethylhexyl phthalate	0,09	67700
	Diisononylphtalate	0,42	
ET	Charatox, Microtox, Thamnotox	t, NT	

40. Šventoji river after Anykščiai

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	<LOD	<LOD	<LOD	<LOD	---	---	X	---	<LOD	not
BS	X	<LOD	<LOD	X	X	---	<LOD	<LOD	<LOD	<LOD	<LOD	---

Group of substances	Substances	SW $\mu\text{g/L}$	BS $\mu\text{g/kg}^*$
MET*	Cadmium		0,012
	Nickel		3
	Lead		1,7
	Arsenic		0,45
	Copper		1,2
	Zinc	6	7,8
	PAH	Anthracene	
Fluoranthene			2
Benzo(b)fluoranthene			1,6
Benzo(k)fluoranthene			0,7
Benzo(a)pyrene			1,3
Benzo[ghi]perylene			1
Pht&E	Diisobutylphtalate	1,32	
	Dibutylphtalate	0,06	
	Benzylbutylphtalate	0,54	
COP	Heksachlorobenzene		22

41. Siesartis after Šakiai

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	---	<LOD	X	---	<LOD	X
BS	X	X	<LOD	X	<LOD	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	SW $\mu\text{g/L}$	BS $\mu\text{g/kg}^*$
MET*	Cadmium		0,27
	Nickel		15
	Lead		15
	Arsenic		1,5
	Copper	1,8	24
	Zinc	5,5	160
	Mercury		0,26
Ph&E	4-t-Octylphenol	0,02	
PAH	Anthracene		3,49
	Fluoranthene		57
	Benzo(b)fluoranthene		29,9
	Benzo(k)fluoranthene		13,9
	Benzo(a)pyrene	0,003	25,4
	Benzo[ghi]perylene		24

Group of substances	Substances	SW µg/L	BS µg/kg*
	Indeno[1,2,3-cd]pyrene		26
OT	Monobutyltin		59,5
	Dibutyltin		25
	Tributyltin		8,3
	Monooctyltin		11,3
	Diocetyltn		7,2
Pht&E	Diethylphtalate	0,07	
	Diisobutylphtalate	0,35	171
	Dibutylphtalate		113
	Benzybutylphtalate	1,55	
	Di-2-ethylhexyl phtalate	0,09	3320
ET	Charatox, Microtox, Thamnotox	st	

42. Nemunas after Kaunas

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	X	<LOD	X	<LOD	<LOD	not
BS	X	<LOD	<LOD	X	<LOD	---	X	<LOD	<LOD	<LOD	<LOD	---

Group of substances	Substances	SW µg/L	BS µg/kg*
MET*	Cadmium		0,041
	Nickel		2
	Lead		3,4
	Arsenic		0,97
	Copper	0,85	0,67
	Zinc		10
Ph&E	4-t-Octylphenol	0,02	
PAH	Anthracene	0,002	
	Fluoranthene		2,2
	Benzo(b)fluoranthene		1,5
	Benzo(k)fluoranthene		1,5
	Benzo(a)pyrene	0,003	1,4
	Benzo[ghi]perylene		1
OT	Monobutyltin		1,4
	Dibutyltin	0,01	
	Tributyltin	0,004	
Pht&E	Diisobutylphtalate	0,1	
	Benzybutylphtalate	0,87	

43. Nevėžis after Panevėžys

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	ET
SW	X	<LOD	X	X	<LOD	<LOD	X	<LOD	X	<LOD	<LOD	X
BS	X	X	X	X	<LOD	---	X	<LOD	X	<LOD	<LOD	---

Group of substances	Substances	WW µg/L	WS µg/kg*
MET*	Cadmium		1,8
	Nickel	1,5	11
	Lead		63
	Arsenic		0,18
	Copper	4,1	57
	Zinc	9,7	240
	Mercury		0,53
	Ph&E	iso-Nonylphenol	0,04
PAH	Naphtalene	0,022	
	Anthracene	0,001	
	Fluoranthene		7,3
	Benzo(b)fluoranthene		7,1
	Benzo(k)fluoranthene		0,9
	Benzo(a)pyrene		400
OT	Monobutyltin	0,008	121
	Dibutyltin	0,006	25,9
	Tributyltin	0,004	6,4

Group of substances	Substances	WW µg/L	WS µg/kg*
	Monooctyltin		19,4
	Diocetyltn		5,6
	Triphenyltin		16,3
Pht&E	Diisobutylphtalate	0,3	1000
	Dibutylphtalate		356
	Benzybutylphtalate	0,06	
	Di-2-ethylhexyl phthalate	0,41	22000
	Diisononylphtalate		9470
ET	Charatox, Microtox, Thamnotox	st	

44. Klaipėda Channel at Baltijos kolūkis

Matrix	MET	Hg	Ph&E	PAH	COP	VOC	OT	BDPE	Pht&E	SCCP	PCP	Other
BS	X	<LOD	---	X	<LOD	---	---	---	---	---	---	---

Group of substances	Substances	BS µg/kg*
MET*	Cadmium	0,1
	Nickel	4,4
	Lead	9,6
	Arsenic	0,63
	Copper	6,7
	Zinc	65
PAH	Naphtalene	36,4
	Anthracene	3,67
	Fluoranthene	44,9
	Benzo(b)fluoranthene	17,4
	Benzo(k)fluoranthene	10,1
	Benzo(a)pyrene	18,1
	Benzo[ghi]perylene	9
Indeno[1,2,3-cd]pyrene	12	