Geotechnisches Institut
Pfeffingerstrasse 41
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Zusammenstellung der Laborwerte:

Messpegel					1889								1890							
Labor Proben-Nr. GIU		Konzentrations-wert AltIV	Überwachungs-Schwellenwert (40% Konzentrations-wert)	doppelter Konzentrations-wert AltIV	GIU 170373/052024	GIU 170783/06/2024	GIU 171647/07/2024	GIU 172119/08/2024	GIU 172641/09/2024	GIU 173190/10/2024	GIU 168143/01/2024	GIU 174747/12/2024	GIU 170374/05/2024	GIU 170784/06/2024	GIU 171648/07/2024	GIU 172120/08/2024	GIU 172642/09/2024	GIU 173191/10/2024	GIU 174081/11/2024	GIU 174748/12/2024
Labor Proben-Nr. AUE BS					22024050236	22024060429	22024070355	22024080284	22024090306	22024100269	22024110267	22024120274	22024050237	22024060430	22024070354	22024080285	22024090307	22024100270	22024110268	22024120275
Labor Proben-Nr. Bachema					-	-	39325	-	-	-	-	-	-	-	39325	-	-	-	-	-
Probenahmedatum					16.05.2024	13.06.2024	18.07.2024	15.08.2024	16.09.2024	15.10.2024	21.11.2024	16.12.2025	16.05.2024	13.06.2024	18.07.2024	15.08.2024	16.09.2024	15.10.2024	21.11.2024	16.12.2025
Feldparameter																				
Grundwasserspiegelstand	*m ü.M.*				247.03	247.75	247.81	247.49	247.49	247.29	247.05	247.09	246.57	246.91	247.27	246.61	246.17	246.28	246.20	246.23
Vorpumpmenge	*l*				720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
Entnahmetiefe	*m u. OKR*				10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Temperatur	*°C*				17.6	17.7	17.8	18.1	17.9	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.4	18.6	18.5	18.4
el. Leitfähigkeit (20/25°C)	*µS/cm*				352	354	349	342	342	339	333	330	359	356	357	359	371	362	353	349
pH-Wert					7.66	7.68	7.57	7.65	7.59	7.68	7.58	7.70	7.55	7.56	7.51	7.75	7.55	7.54	7.49	7.64
Sauerstoffsättigung	*mg/l*				6.98	7.24	7.38	7.20	7.37	7.16	6.93	6.88	7.00	7.33	7.47	7.48	7.59	7.21	7.01	6.87
Geruch	-				unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig
Farbe	-				farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos
Trübung	-				klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar
Elemente und Schwermetalle																				
Antimon (gelöst) ICP-MS	*mg/L Sb*	0.01	0.004	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsen (gelöst) ICP-MS	*mg/L As*	0.05	0.020	0.1	**0.0027**	**0.0022**	**0.0024**	**0.0030**	**0.0013**	**0.0014**	**0.0014**	**0.0014**	**0.0019**	**0.0020**	**0.0019**	**0.0019**	**0.0019**	**0.0019**	**0.0019**	**0.0019**
Blei (gelöst) ICP-MS	*mg/L Pb*	0.05	0.020	0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005
Cadmium (gelöst) ICP-MS	*mg/L Cd*	0.005	0.0020	0.01	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Chrom (gelöst) ICP-MS	*mg/L Cr*	-	-	-	**0.0025**	**0.0023**	**0.0023**	**0.0024**	<0.002	**0.0020**	<0.002	**0.0020**	<0.002	<0.002	**0.0028**	**0.0026**	**0.0022**	**0.0020**	**0.0020**	**0.0020**
Chrom-VI (gelöst) ICP-MS	*mg/L Cr-VI*	0.02	0.008	0.04	<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	<0.005	<0.005	<0.005
Kobalt (gelöst) ICP-MS	*mg/L Co*	2	0.8	4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Kupfer (gelöst) ICP-MS	*mg/L Cu*	1.5	0.60	3	<001	<001	<001	**0.0010**	**0.0013**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0010**	**0.0010**	**0.0013**	<0.001	**0.0010**	<0.001
Nickel (gelöst) ICP-MS	*mg/L Ni*	0.7	0.28	1.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Quecksilber (gelöst) AFS	*mg/L Hg*	0.001	0.0004	0.002	<000001	<000001	<000001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002
Silber (gelöst) ICP-MS	*mg/L Ag*	0.1	0.04	0.2	<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	<0.005	<0.005	<0.005
Zink (gelöst) ICP-MS	*mg/L Zn*	5	2.0	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinn (gelöst) ICP-MS	*mg/L Sn*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PFAS																				
Perfluorbutansäure (PFBA)	*µg/L*	700	280	1'400	0.0070	0.0060	0.0050	0.0060	0.0060	0.0040	0.0080	0.0030	0.0060	0.0060	0.0060	0.0060	0.0130	0.0080	0.0120	0.0080
Perfluorbutansulfonsäure (PFBS)	*µg/L*	350	140	700	0.0040	0.0040	0.0037	0.0041	0.0025	0.0027	0.0027	0.0019	0.0100	0.0065	0.0086	0.0140	0.0200	0.0120	0.0120	0.0130
Perfluorpentansäure (PFPeA)	*µg/L*	100	40	200	0.0140	0.0130	0.0100	0.0170	0.0071	0.0072	0.0110	0.0048	0.0110	0.0090	0.0089	0.0140	0.0230	0.0190	0.0140	0.0160
Perfluorhexansäure (PFHxA)	*µg/L*	25	10	50	0.0370	0.0410	0.0320	0.0460	0.0160	0.0130	0.0170	0.0230	0.0200	0.0150	0.0170	0.0260	0.0440	0.0260	0.0210	0.0270
Perfluorhexansulfonsäure (PFHxS)	*µg/L*	0.7	0.28	1.4	0.0040	0.0047	0.0066	0.0065	0.0043	0.0038	0.0041	0.0044	0.0310	0.0280	0.0370	0.0075	0.1100	0.0460	0.0520	0.0730
Perfluorheptansäure (PFHpA)	*µg/L*	1.5	0.6	3	0.0060	0.0084	0.0071	0.0110	0.0043	0.0056	0.0065	0.0082	0.0110	0.0090	0.0089	0.0140	0.0230	0.0079	0.0100	0.0074
Perfluoroctansäure (PFOA)	*µg/L*	0.5	0.2	1.0	0.0100	0.0110	0.0094	0.0097	0.0110	0.0062	0.0013	0.0086	0.0110	0.0120	0.0130	0.0059	0.0180	0.0120	0.0180	0.0120
Perfluoroctansulfonsäure (PFOS)	*µg/L*	0.7	0.28	1.4	0.0140	0.0120	0.0110	0.0120	0.0120	0.0140	0.0013	0.0110	0.0170	0.0150	0.0150	0.0160	0.0170	0.0190	0.0160	0.0150
Perfluornonansäure (PFNA)	*µg/L*	-	-	-	0.0010	<0.0002	0.0002	0.0004	0.0003	<0.0005	0.0007	<0.0005	0.0110	0.0002	<0.0002	0.0004	0.0005	0.0006	0.0010	0.0006
Σ9PFAS	*µg TEQ/L*	0.05	0.02	0.1	0.058	0.048	0.046	0.054	0.047	0.043	0.057	0.043	0.080	0.065	0.073	0.097	0.140	0.087	0.100	0.100
PAK																				
Naphthalin	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Acenaphthylen	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Acenaphthen	*µg/L*	2'000	800	4'000	<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	<0.005	<0.005	<0.005
Fluoren	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Phenanthren	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Anthracen	*µg/L*	10'000	4'000	20'000	<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	<0.005	<0.005	<0.005
Fluoranthen	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Pyren	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Chrysen	*µg/L*	50	20	100	<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	<0.005	<0.005	<0.005
Benzo(a)anthracen	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Benzo(b)fluoranthen	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Benzo(k)fluoranthen	*µg/L*	5	2.0	10	<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	<0.005	<0.005	<0.005
Benzo(a)pyren	*µg/L*	0.05	0.020	0.1	<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	<0.005	<0.005	<0.005
Indeno(1.2.3-c.d)pyren	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Dibenzo(a.h)anthracen	*µg/L*	0.05	0.020	0.1	<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	<0.005	<0.005	<0.005
Benzo(g.h.i)perylen	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Summe PAK EPA	*µg/L*	-	-	-	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m	k.S.m	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.
Amine / Aniline / Benzidine / Azoverbindungen																				
Anilin	*µg/L*	50	20	100	<0.01	**0.013**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-/m-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-/2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3.4-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trimethylanilin	*µg/L*	1	0.4	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Diethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Ethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-2-nitroanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Bromanilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-N.N-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-2-Methylanilin	*µg/L*	4	1.6	8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-4-Methylanilin	*µg/L*	5'200	2'080.00	10'400	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-/5-Chlor-2-Methylanilin	*µg/L*	130	52.0	260	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlor-4-Methylanilin	*µg/L*	4-130*[1]	1.6-52*[1]	8-260*[1]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Methylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Amine / Aniline / Benzidine / Azoverbindungen - erweitert																				
2.2-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
3.3-Dimethylbenzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.01	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.01	n.a.
3.4-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
4.4-Benzidin	*µg/L*	0.0015	0.0006	0.0030	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
GC/MS-Screening nach Oehme																				
Substanzen mit Konz.: <1 µg/L		-	-	-	n.a.	n.a.	3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 1 - 10 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 10 - 100 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: >100 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.

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Zusammenstellung der Laborwerte:

Messpegel					6204								6278							
Labor Proben-Nr. GIU		Konzentrations-wert AltIV	Überwachungs-Schwellenwert (40% Konzentrations-wert)	doppelter Konzentrations-wert AltIV	GIU 170375/05/2024	GIU 170785/06/2024	GIU 171649/07/2024	GIU 172121/08/2024	GIU 172643/09/2024	GIU 173192/10/2024	GIU 174082/11/2024	GIU 174749/12/2024	GIU 170376/05/2024	GIU 170786/06/2024	GIU 171651/07/2024	GIU 172123/08/2024	GIU 172645/09/2024	GIU 173194/10/2024	GIU 174084/11/2024	GIU 174751/12/2024
Labor Proben-Nr. AUE BS					22024050234	22024060431	22024070353	22024080286	22024090308	22024100268	22024110271	22024120276	22024050235	22024060428	22024070356	22024080283	22024090309	22024100271	22024110269	22024120278
Labor Proben-Nr. Bachema					-	-	39328	-	-	-	-	-	-	-	39329	-	-	-	-	-
Probenahmedatum					16.05.2024	13.06.2024	18.07.2024	15.08.2024	16.09.2024	15.10.2024	21.11.2024	16.12.2025	16.05.2024	13.06.2024	18.07.2024	15.08.2024	16.09.2024	15.10.2024	21.11.2024	16.12.2025
Feldparameter																				
Grundwasserspiegelstand	*m ü.M.*				247.48	247.89	248.06	247.56	247.15	247.52	247.01	247.13	246.51	246.87	246.96	246.58	246.22	246.43	246.23	246.28
Vorpumpmenge	*l*				720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
Entnahmetiefe	*m u. OKR*				13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Temperatur	*°C*				15.2	15.2	15.5	15.9	16.1	16.5	16.4	16.3	16.9	17.3	17.7	17.7	17.6	17.7	17.9	18.0
el. Leitfähigkeit (20/25°C)	*µS/cm*				361	362	365	375	380	381	390	381	374	377	385	382	369	376	381	366
pH-Wert					7.55	7.56	7.29	7.61	7.39	7.51	7.37	7.48	7.67	7.52	7.60	7.86	7.57	7.69	7.51	7.68
Sauerstoffsättigung	*mg/l*				6.19	6.66	7.06	6.51	6.17	7.41	5.46	5.48	7.32	7.54	7.71	7.46	7.68	7.24	7.15	7.04
Geruch	-				unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig
Farbe	-				farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos	farblos
Trübung	-				klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar	klar
Elemente und Schwermetalle																				
Antimon (gelöst) ICP-MS	*mg/L Sb*	0.01	0.004	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsen (gelöst) ICP-MS	*mg/L As*	0.05	0.020	0.1	**0.0010**	**0.0010**	**0.0010**	**0.0010**	**0.0010**	**0.0010**	**0.0010**	**0.0010**	**0.0012**	**0.0013**	**0.0013**	**0.0013**	**0.0012**	**0.0013**	**0.0013**	**0.0012**
Blei (gelöst) ICP-MS	*mg/L Pb*	0.05	0.020	0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005
Cadmium (gelöst) ICP-MS	*mg/L Cd*	0.005	0.0020	0.01	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Chrom (gelöst) ICP-MS	*mg/L Cr*	-	-	-	<0.002	<0.002	**0.0015**	**0.0028**	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0020**	**0.0021**	**0.0021**	**0.0021**	**0.0023**	**0.0034**	**0.0027**
Chrom-VI (gelöst) ICP-MS	*mg/L Cr-VI*	0.02	0.008	0.04	<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	<0.005	<0.005	<0.005
Kobalt (gelöst) ICP-MS	*mg/L Co*	2	0.8	4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Kupfer (gelöst) ICP-MS	*mg/L Cu*	1.5	0.60	3	<0.001	<0.001	**0.0010**	**0.0022**	**0.0010**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0011**	<0.001	<0.001	<0.001
Nickel (gelöst) ICP-MS	*mg/L Ni*	0.7	0.28	1.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Quecksilber (gelöst) AFS	*mg/L Hg*	0.001	0.0004	0.002	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002
Silber (gelöst) ICP-MS	*mg/L Ag*	0.1	0.04	0.2	<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	<0.005	<0.005	<0.005
Zink (gelöst) ICP-MS	*mg/L Zn*	5	2.0	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinn (gelöst) ICP-MS	*mg/L Sn*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PFAS																				
Perfluorbutansäure (PFBA)	*µg/L*	700	280	1'400	0.0060	<0.005	<0.005	<0.005	0.0080	0.0030	0.0040	0.0020	0.0060	0.0070	0.0060	0.0070	0.0080	0.0050	0.0040	0.0030
Perfluorbutansulfonsäure (PFBS)	*µg/L*	350	140	700	0.0040	0.0030	0.0037	0.0055	0.0036	0.0040	0.0035	0.0044	0.0040	0.0039	0.0043	0.0054	0.0030	0.0031	0.0034	0.0018
Perfluorpentansäure (PFPeA)	*µg/L*	100	40	200	0.0080	0.0068	0.0052	0.0091	0.0076	0.0085	0.0013	0.0024	0.0110	0.0100	0.0098	0.0150	0.0150	0.0120	0.0045	0.0140
Perfluorhexansäure (PFHxA)	*µg/L*	25	10	50	0.0190	0.0150	0.0150	0.0170	0.0160	0.0140	0.0110	0.0130	0.0160	0.0140	0.0140	0.0200	0.0016	0.0130	0.0130	0.0140
Perfluorhexansulfonsäure (PFHxS)	*µg/L*	0.7	0.28	1.4	0.0020	0.0023	0.0022	0.0024	0.0021	0.0017	0.0016	0.0018	0.0040	0.0054	0.0045	0.0055	0.0047	0.0049	0.0150	0.0180
Perfluorheptansäure (PFHpA)	*µg/L*	1.5	0.6	3	0.0080	0.0068	0.0052	0.0091	0.0076	0.0037	0.0110	0.0035	0.0110	0.0100	0.0098	0.0150	0.0150	0.0055	0.0087	0.0063
Perfluoroctansäure (PFOA)	*µg/L*	0.5	0.2	1.0	0.0070	0.0054	0.0058	0.0059	0.0069	0.0040	0.0083	0.0049	0.0090	0.0099	0.0100	0.0049	0.0008	0.0051	0.0072	0.0055
Perfluoroctansulfonsäure (PFOS)	*µg/L*	0.7	0.28	1.4	0.0160	0.0130	0.0100	0.0160	0.0069	0.0150	0.0150	0.0140	0.0180	0.0160	0.0140	0.0170	0.0160	0.0150	0.0180	0.0130
Perfluornonansäure (PFNA)	*µg/L*	-	-	-	0.0010	0.0002	<0.0002	0.0004	0.0005	<0.0005	0.0011	<0.0005	0.0010	0.0004	0.0004	0.0170	0.0008	<0.0005	0.0008	<0.0005
Σ9PFAS	*µg TEQ/L*	0.05	0.02	0.1	0.055	0.037	0.031	0.044	0.052	0.039	0.061	0.037	0.063	0.055	0.050	0.037	0.057	0.032	0.059	0.049
PAK																				
Naphthalin	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Acenaphthylen	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Acenaphthen	*µg/L*	2'000	800	4'000	<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	<0.005	<0.005	<0.005
Fluoren	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Phenanthren	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Anthracen	*µg/L*	10'000	4'000	20'000	<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	<0.005	<0.005	<0.005
Fluoranthen	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Pyren	*µg/L*	1'000	400	2'000	<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	<0.005	<0.005	<0.005
Chrysen	*µg/L*	50	20	100	<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	<0.005	<0.005	<0.005
Benzo(a)anthracen	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Benzo(b)fluoranthen	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Benzo(k)fluoranthen	*µg/L*	5	2.0	10	<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	<0.005	<0.005	<0.005
Benzo(a)pyren	*µg/L*	0.05	0.020	0.1	<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	<0.005	<0.005	<0.005
Indeno(1.2.3-c.d)pyren	*µg/L*	0.5	0.20	1	<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	<0.005	<0.005	<0.005
Dibenzo(a.h)anthracen	*µg/L*	0.05	0.020	0.1	<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	<0.005	<0.005	<0.005
Benzo(g.h.i)perylen	*µg/L*	-	-	-	<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	<0.005	<0.005	<0.005
Summe PAK EPA	*µg/L*	-	-	-	k.s.m.	k.s.m.	k.s.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.
Amine / Aniline / Benzidine / Azoverbindungen																				
Anilin	*µg/L*	50	20	100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-/m-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-/2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3.4-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trimethylanilin	*µg/L*	1	0.4	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Diethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Ethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-2-nitroanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Bromanilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-N.N-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-2-Methylanilin	*µg/L*	4	1.6	8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-4-Methylanilin	*µg/L*	5'200	2'080.00	10'400	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-/5-Chlor-2-Methylanilin	*µg/L*	130	52.0	260	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlor-4-Methylanilin	*µg/L*	4-130*[1]	1.6-52*[1]	8-260*[1]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Methylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Amine / Aniline / Benzidine / Azoverbindungen - erweitert																				
2.2-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
3.3-Dimethylbenzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.01	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.01	n.a.
3.4-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
4.4-Benzidin	*µg/L*	0.0015	0.0006	0.0030	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
GC/MS-Screening nach Oehme																				
Substanzen mit Konz.: <1 µg/L		-	-	-	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 1 - 10 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 10 - 100 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: >100 µg/L		-	-	-	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.

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Zusammenstellung der Laborwerte:

Messpegel					6205					
Labor Proben-Nr. GIU		Konzentrations-wert AltIV	Überwachungs-Schwellenwert (40% Konzentrations-wert)	doppelter Konzentrations-wert AltIV	GIU 171650/07/2024	GIU 172122/08/20202 4	GIU 172644/09/2024	GIU 173193/10/202 4	GIU 174083/11/202 4	GIU 174750/12/202 4
Labor Proben-Nr. AUE BS					22024070357	22024080283	22024090310	22024100267	22024110270	22024120277
Labor Proben-Nr. Bachema					39327	-	-	-	-	-
Probenahmedatum					18.07.2024	15.08.2024	16.09.2024	15.10.2024	21.11.2024	16.12.2025
Feldparameter										
Grundwasserspiegelstand	*m ü.M.*				247.26	246.83	-*	-*	-*	-*
Vorpumpmenge	*l*				720	720	720	720	720	720
Entnahmetiefe	*m u. OKR*				11.0	11.0	9.5	9.5	11.0	11.0
Temperatur	*°C*				15.1	15.5	15.3	15.6	15.7	15.6
el. Leitfähigkeit (20/25°C)	*µS/cm*				325	327	321	325	329	328
pH-Wert					7.60	7.62	7.57	7.62	7.62	7.67
Sauerstoffsättigung	*mg/l*				7.49	7.22	7.56	7.02	6.51	6.31
Geruch	-				unauffällig	unauffällig	unauffällig	unauffällig	unauffällig	unauffällig
Farbe	-				farblos	farblos	farblos	farblos	farblos	farblos
Trübung	-				klar	klar	klar	klar	klar	klar
Elemente und Schwermetalle										
Antimon (gelöst) ICP-MS	*mg/L Sb*	0.01	0.004	0.02	<0.01	<0.001	<0.001	<0.01	<0.001	<0.01
Arsen (gelöst) ICP-MS	*mg/L As*	0.05	0.020	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Blei (gelöst) ICP-MS	*mg/L Pb*	0.05	0.020	0.1	<0.0005	<0.005	<0.005	<0.0005	<0.005	<0.0005
Cadmium (gelöst) ICP-MS	*mg/L Cd*	0.005	0.0020	0.01	<0.00005	<0.0005	<0.0005	<0.00005	<0.00005	<0.00005
Chrom (gelöst) ICP-MS	*mg/L Cr*	-	-	-	<0.002	<0.002	<0.002	<0.002	**0.0020**	<0.002
Chrom-VI (gelöst) ICP-MS	*mg/L Cr-VI*	0.02	0.008	0.04	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Kobalt (gelöst) ICP-MS	*mg/L Co*	2	0.8	4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Kupfer (gelöst) ICP-MS	*mg/L Cu*	1.5	0.60	3	<0.001	**0.0010**	**0.0028**	<0.001	<0.001	<0.001
Nickel (gelöst) ICP-MS	*mg/L Ni*	0.7	0.28	1.4	<0.001	<0.01	<0.01	<0.001	<0.001	<0.001
Quecksilber (gelöst) AFS	*mg/L Hg*	0.001	0.0004	0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001
Silber (gelöst) ICP-MS	*mg/L Ag*	0.1	0.04	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zink (gelöst) ICP-MS	*mg/L Zn*	5	2.0	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinn (gelöst) ICP-MS	*mg/L Sn*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PFAS										
Perfluorbutansäure (PFBA)	*µg/L*	700	280	1'400	<0.005	<0.005	0.0050	0.0020	0.0030	0.0020
Perfluorbutansulfonsäure (PFBS)	*µg/L*	350	140	700	0.0030	0.0038	0.0021	0.0028	0.0022	0.0024
Perfluorpentansäure (PFPeA)	*µg/L*	100	40	200	0.0047	0.0074	0.0054	0.0069	0.0020	0.0036
Perfluorhexansäure (PFHxA)	*µg/L*	25	10	50	0.0110	0.0140	0.0110	0.0110	0.0190	0.0100
Perfluorhexansulfonsäure (PFHxS)	*µg/L*	0.7	0.28	1.4	0.0015	0.0016	0.0012	0.0011	0.0020	0.0011
Perfluorheptansäure (PFHpA)	*µg/L*	1.5	0.6	3	0.0047	0.0074	0.0054	0.0032	0.0052	0.0024
Perfluoroctansäure (PFOA)	*µg/L*	0.5	0.2	1.0	0.0046	0.0049	0.0053	0.0038	0.0065	0.0032
Perfluoroctansulfonsäure (PFOS)	*µg/L*	0.7	0.28	1.4	0.0100	0.0120	0.0110	0.0120	0.0100	0.0092
Perfluornonansäure (PFNA)	*µg/L*	-	-	-	0.0002	0.0003	0.0004	<0.0005	<0.0005	<0.0005
Σ9PFAS	*µg TEQ/L*	0.05	0.02	0.1	0.031	0.058	0.036	0.044	0.033	0.025
PAK										
Naphthalin	*µg/L*	1'000	400	2'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylen	*µg/L*	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthen	*µg/L*	2'000	800	4'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoren	*µg/L*	1'000	400	2'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenanthren	*µg/L*	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Anthracen	*µg/L*	10'000	4'000	20'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthen	*µg/L*	1'000	400	2'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyren	*µg/L*	1'000	400	2'000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chrysen	*µg/L*	50	20	100	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)anthracen	*µg/L*	0.5	0.20	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(b)fluoranthen	*µg/L*	0.5	0.20	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(k)fluoranthen	*µg/L*	5	2.0	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)pyren	*µg/L*	0.05	0.020	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Indeno(1.2.3-c.d)pyren	*µg/L*	0.5	0.20	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenzo(a.h)anthracen	*µg/L*	0.05	0.020	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(g.h.i)perylen	*µg/L*	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Summe PAK EPA	*µg/L*	-	-	-	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.	k.S.m.
Amine / Aniline / Benzidine / Azoverbindungen										
Anilin	*µg/L*	50	20	100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chloranilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.5-Dichloranilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-/p-/m-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Toluidin	*µg/L*	20	8	40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-Toluidin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.5-/2.6-Dimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.6-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.3.4-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3.4.5-Trichloranilin	*µg/L*	10	4	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.5-Trimethylanilin	*µg/L*	2	0.8	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2.4.6-Trimethylanilin	*µg/L*	1	0.4	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Diethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Ethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-2-nitroanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Bromanilin	*µg/L*	100	40	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-N.N-Dimethylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlor-N.N-Diethylanilin	*µg/L*	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-2-Methylanilin	*µg/L*	4	1.6	8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3-Chlor-4-Methylanilin	*µg/L*	5'200	2'080.00	10'400	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-/5-Chlor-2-Methylanilin	*µg/L*	130	52.0	260	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlor-4-Methylanilin	*µg/L*	4-130*[1]	1.6-52*[1]	8-260*[1]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N-Methylanilin	*µg/L*	70	28	140	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Amine / Aniline / Benzidine / Azoverbindungen - erweitert										
2.2-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
3.3-Dimethylbenzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	<0.01	n.a.
3.4-Benzidin	*µg/L*	-	-	-	n.a.	n.a.	n.a.	n.a.	<0.001	n.a.
4.4-Benzidin	*µg/L*	0.0015	0.0006	0.0030	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
GC/MS-Screening nach Oehme										
Substanzen mit Konz.: <1 µg/L		-	-	-	1	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 1 - 10 µg/L		-	-	-	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: 10 - 100 µg/L		-	-	-	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.
Substanzen mit Konz.: >100 µg/L		-	-	-	ohne Befund	n.a.	n.a.	n.a.	n.a.	n.a.

-*: der Pegel lieg im Zelt und wurde aufgrund des Aushubfortschritts z.T. geküzrt und es kann daher keine Aussage mehr zum Grundwasserstand ab OKT getroffen werden