

Eidsvoll kommune  
Vann  
Postboks 90  
2080 EIDSVOLL  
Att: Katarina Ottesen

Dato: 10.05.2024  
Prøve ID: 2024-9402  
ver 1

## ANALYSERESULTATER

Prøvemottak: 24.04.24

Analyseperiode: 24.04.24 - 10.05.24

2024-9402-1 DR) Drikkevann (Hamar)  
Gjelder: **Tisjøen Vannverk**

Tatt ut: 24.04.24 - 24.04.24  
Sted: **RA2 Minnesund**

Parameter	Resultat	Enhet	Grenseverdi	Metode	Måleusikkerhet
1,2-dikloretan	83) <0.5	µg/l	3,0	SS-EN ISO 10301 mod.	±0.10
Aluminium, Al	83) 32	µg/l	200	SS-EN ISO 17294-2:202	±4.8
Ammonium, NH4-N	83) <0.01	mg/l	0,5	ISO 15923-1:2013 B	±0.005
Antimon, Sb	83) <0.1	µg/l	5	SS-EN ISO 17294-2:202	±0.10
Arsen, As	83) 0.11	µg/l	10	SS-EN ISO 17294-2:202	±0.017
Benzen	83) <0.1	µg/l	1	SS-EN ISO 10301 mod.	±0.050
Benzo(a)pyren, PAH	83) <0.005	µg/l	0,01	GC-MS-NCI, egen metod	±0.0013
Bly, Pb	83) 0.22	µg/l	10	SS-EN ISO 17294-2:202	±0.033
Bor, B	83) <2.5	µg/l	1000	SS-EN ISO 17294-2:202	±1.1
Bromat-BrO3	83) <3	µg/l	10	SS-EN ISO 11206:2013	±0.60
Cyanid, total	83) <0.01	mg/l	0,05	SS-EN ISO 14403-2:201	±0.003
Fluorid	83) 0.11	mg/l	1,5	SS-EN ISO 10304-1:200	±0.10
Jern, Fe	83) 15	µg/l	200	SS-EN ISO 17294-2:202	±2.3
Kadmium, Cd	83) <0.01	µg/l	5	SS-EN ISO 17294-2:202	±0.003
Klorid	83) 1.5	mg/l	250	SS-EN ISO 10304-1:200	±0.90
Kobber, Cu	83) 6.4	µg/l	2000	SS-EN ISO 17294-2:202	±0.96
Krom, Cr	83) 0.092	µg/l	50	SS-EN ISO 17294-2:202	±0.020
Kvikksølv, Hg	83) <2	ng/l	1000	SS-EN ISO 17852 mod.	±1
Kalsium, Ca	83) 18	mg/l		SS-EN ISO 11885:2009	±2.7
Mangan, Mn	83) 1.5	µg/l	50	SS-EN ISO 17294-2:202	±0.23
Natrium, Na	83) 1.4	mg/l	200	SS-EN ISO 11885:2009	±0.21
Nikkel, Ni	83) 0.48	µg/l	20	SS-EN ISO 17294-2:202	±0.072
Nitrat, NO3-N	83) 0.15	mg/l	50	SS-EN ISO 10304-1:200	±0.045
Nitritt, NO2-N	83) <0.001	mg/l	0,5	ISO 15923-1:2013 D	±0.0009
Benzo(b+k)fluoranten, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Benzo(ghi)perylene, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Indeno(1,2,3-cd)pyren, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Sum PAH ihht drikkevannsforskrift	83) <0.02	µg/l	0,1	Beräknad	
Selen, Se	83) <1	µg/l	10	SS-EN ISO 17294-2:202	±0.40
Sulfat	83) 1.9	mg/l	250	SS-EN ISO 10304-1:200	±0.90
Tetrakloreten	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Trikloretan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Sum kloreter	83) <1	µg/l	10	Beräknad	
TOC, total organisk karbon	83) 3.0	mg/l		SS-EN 1484:1997	±0.50
Kloroform	83) 4.8	µg/l		SS-EN ISO 10301 mod.	±0.96
Bromoform	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20

Parameter	Resultat	Enhet	Grenseverdi	Metode	Måleusikkerhet
Dibromklormetan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Bromdiklormetan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Sum trihalometaner	83) <5	µg/l	100	Beräknad	

2024-9402-2 DR) Drikkevann (Hamar)

Tatt ut: 24.04.24 - 24.04.24

Gjelder: **Tisjøen Vannverk**

Sted: **Myhrer**

Parameter	Resultat	Enhet	Grenseverdi	Metode	Måleusikkerhet
1,2-dikloretan	83) <0.5	µg/l	3,0	SS-EN ISO 10301 mod.	±0.10
Aluminium, Al	83) 33	µg/l	200	SS-EN ISO 17294-2:202	±5.0
Ammonium, NH4-N	83) <0.01	mg/l	0,5	ISO 15923-1:2013 B	±0.005
Antimon, Sb	83) <0.1	µg/l	5	SS-EN ISO 17294-2:202	±0.10
Arsen, As	83) 0.11	µg/l	10	SS-EN ISO 17294-2:202	±0.017
Benzen	83) <0.1	µg/l	1	SS-EN ISO 10301 mod.	±0.050
Benzo(a)pyren, PAH	83) <0.005	µg/l	0,01	GC-MS-NCI, egen metod	±0.0013
Bly, Pb	83) 0.078	µg/l	10	SS-EN ISO 17294-2:202	±0.012
Bor, B	83) <2.5	µg/l	1000	SS-EN ISO 17294-2:202	±1.1
Bromat-BrO3	83) <3	µg/l	10	SS-EN ISO 11206:2013	±0.60
Cyanid, total	83) <0.01	mg/l	0,05	SS-EN ISO 14403-2:201	±0.003
Fluorid	83) 0.11	mg/l	1,5	SS-EN ISO 10304-1:200	±0.10
Jern, Fe	83) 16	µg/l	200	SS-EN ISO 17294-2:202	±2.4
Kadmium, Cd	83) <0.01	µg/l	5	SS-EN ISO 17294-2:202	±0.003
Klorid	83) 1.5	mg/l	250	SS-EN ISO 10304-1:200	±0.90
Kobber, Cu	83) 3.2	µg/l	2000	SS-EN ISO 17294-2:202	±0.48
Krom, Cr	83) 0.10	µg/l	50	SS-EN ISO 17294-2:202	±0.020
Kvikksølv, Hg	83) <2	ng/l	1000	SS-EN ISO 17852 mod.	±1
Kalsium, Ca	83) 19	mg/l		SS-EN ISO 11885:2009	±2.9
Mangan, Mn	83) 1.2	µg/l	50	SS-EN ISO 17294-2:202	±0.18
Natrium, Na	83) 1.5	mg/l	200	SS-EN ISO 11885:2009	±0.23
Nikkel, Ni	83) 0.26	µg/l	20	SS-EN ISO 17294-2:202	±0.060
Nitrat, NO3-N	83) 0.15	mg/l	50	SS-EN ISO 10304-1:200	±0.045
Nitritt, NO2-N	83) <0.001	mg/l	0,5	ISO 15923-1:2013 D	±0.0009
Benzo(b+k)fluoranten, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Benzo(ghi)perylene, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Indeno(1,2,3-cd)pyren, PAH	83) <0.01	µg/l		GC-MS-NCI, egen metod	±0.003
Sum PAH ihht drikkevannsforskrift	83) <0.02	µg/l	0,1	Beräknad	
Selen, Se	83) <1	µg/l	10	SS-EN ISO 17294-2:202	±0.40
Sulfat	83) 2.0	mg/l	250	SS-EN ISO 10304-1:200	±0.90
Tetrakloreten	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Trikloretan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Sum kloreterer	83) <1	µg/l	10	Beräknad	
TOC, total organisk karbon	83) 3.4	mg/l		SS-EN 1484:1997	±0.51
Kloroform	83) 4.8	µg/l		SS-EN ISO 10301 mod.	±0.96
Bromoform	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Dibromklormetan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Bromdiklormetan	83) <1	µg/l		SS-EN ISO 10301 mod.	±0.20
Sum trihalometaner	83) <5	µg/l	100	Beräknad	

2024-9402-3 DR) Drikkevann (Hamar)

Tatt ut: 24.04.24 - 24.04.24

Gjelder: **Tisjøen Vannverk**

Sted: **Dal, P52**

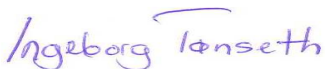
Parameter	Resultat	Enhet	Grenseverdi	Metode	Måleusikkerhet
1,2-dikloretan	83) <0.5	µg/l	3,0	SS-EN ISO 10301 mod.	±0.10
Aluminium, Al	83) 22	µg/l	200	SS-EN ISO 17294-2:202	±3.3
Ammonium, NH4-N	83) <0.01	mg/l	0,5	ISO 15923-1:2013 B	±0.005
Antimon, Sb	83) <0.1	µg/l	5	SS-EN ISO 17294-2:202	±0.10
Arsen, As	83) 0.085	µg/l	10	SS-EN ISO 17294-2:202	±0.015
Benzen	83) <0.1	µg/l	1	SS-EN ISO 10301 mod.	±0.050
Benzo(a)pyren, PAH	83) <0.005	µg/l	0,01	GC-MS-NCI, egen metod	±0.0013
Bly, Pb	83) 0.15	µg/l	10	SS-EN ISO 17294-2:202	±0.023
Bor, B	83) <2.5	µg/l	1000	SS-EN ISO 17294-2:202	±1.1
Bromat-BrO3	83) <3	µg/l	10	SS-EN ISO 11206:2013	±0.60
Cyanid, total	83) <0.01	mg/l	0,05	SS-EN ISO 14403-2:201	±0.003
Fluorid	83) 0.10	mg/l	1,5	SS-EN ISO 10304-1:200	±0.10

Parameter	Resultat	Enhet	Grenseverdi	Metode	Måleusikkerhet
Jern, Fe	83) <b>26</b>	µg/l	200	SS-EN ISO 17294-2:202	<b>±3.9</b>
Kadmium, Cd	83) <b>&lt;0.01</b>	µg/l	5	SS-EN ISO 17294-2:202	<b>±0.003</b>
Klorid	83) <b>1.5</b>	mg/l	250	SS-EN ISO 10304-1:200	<b>±0.90</b>
Kobber, Cu	83) <b>0.85</b>	µg/l	2000	SS-EN ISO 17294-2:202	<b>±0.13</b>
Krom, Cr	83) <b>0.088</b>	µg/l	50	SS-EN ISO 17294-2:202	<b>±0.020</b>
Kvikksølv, Hg	83) <b>&lt;2</b>	ng/l	1000	SS-EN ISO 17852 mod.	<b>±1</b>
Kalsium, Ca	83) <b>19</b>	mg/l		SS-EN ISO 11885:2009	<b>±2.9</b>
Mangan, Mn	83) <b>0.38</b>	µg/l	50	SS-EN ISO 17294-2:202	<b>±0.060</b>
Natrium, Na	83) <b>1.4</b>	mg/l	200	SS-EN ISO 11885:2009	<b>±0.21</b>
Nikkel, Ni	83) <b>0.25</b>	µg/l	20	SS-EN ISO 17294-2:202	<b>±0.060</b>
Nitrat, NO3-N	83) <b>0.17</b>	mg/l	50	SS-EN ISO 10304-1:200	<b>±0.045</b>
Nitritt, NO2-N	83) <b>&lt;0.001</b>	mg/l	0,5	ISO 15923-1:2013 D	<b>±0.0009</b>
Benzo(b+k)fluoranten, PAH	83) <b>&lt;0.01</b>	µg/l		GC-MS-NCI, egen metod	<b>±0.003</b>
Benzo(ghi)perylen, PAH	83) <b>&lt;0.01</b>	µg/l		GC-MS-NCI, egen metod	<b>±0.003</b>
Indeno(1,2,3-cd)pyren, PAH	83) <b>&lt;0.01</b>	µg/l		GC-MS-NCI, egen metod	<b>±0.003</b>
Sum PAH ihht drikkevannsforskrift	83) <b>&lt;0.02</b>	µg/l	0,1	Beräknad	
Selen, Se	83) <b>&lt;1</b>	µg/l	10	SS-EN ISO 17294-2:202	<b>±0.40</b>
Sulfat	83) <b>2.0</b>	mg/l	250	SS-EN ISO 10304-1:200	<b>±0.90</b>
Tetrakloreten	83) <b>&lt;1</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.20</b>
Triklloreten	83) <b>&lt;1</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.20</b>
Sum kloreter	83) <b>&lt;1</b>	µg/l	10	Beräknad	
TOC, total organisk karbon	83) <b>2.6</b>	mg/l		SS-EN 1484:1997	<b>±0.50</b>
Kloroform	83) <b>2.7</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.54</b>
Bromoform	83) <b>&lt;1</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.20</b>
Dibromklormetan	83) <b>&lt;1</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.20</b>
Bromdiklormetan	83) <b>&lt;1</b>	µg/l		SS-EN ISO 10301 mod.	<b>±0.20</b>
Sum trihalometaner	83) <b>&lt;5</b>	µg/l	100	Beräknad	

< betyr: Mindre enn

83) Levert av SGS - Linkøping ISO17025:2018 SWEDAC 1006  
 DR) Grenseverdier etter Drikkevannsforskriften

Med hilsen



Ingeborg Tønseth  
 Laboratorieleder/Kunderådgiver

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