

## ANALYSERAPPORT 294150

### Astrup Vandværk

Solbakken 3 Astrup  
 9510 Arden  
 Steen Pedersen

**Version:** 1  
**Sagsnr:**  
**Rekv. nr:**  
**Genereret:** 22.05.2017  
**Bilag:**

<b>LAB nr:</b>	17-07350	<b>Prøvetager:</b>	NNI, AnalyTech Miljølaboratorium A/S
<b>Prøvemærkning:</b>		<b>Prøvetagningsmetode:</b>	M-0061 DS/ISO 5667
<b>Prøvetype:</b>	Råvandskontrol - Boringskontrol	<b>Prøvetagningsperiode:</b>	01.05.2017 13:00 - 01.05.2017 13:15
<b>Prøvested:</b>	Astrup VV DGU 41.1174	<b>Prøvetagningssted:</b>	
<b>Grænseværdier:</b>	Miljøstyrelsen, BEK nr. 802 d. 01.06.2016	<b>Analyseperiode:</b>	01.05.2017 - 22.05.2017

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
Temperatur	<b>8.6</b> °C	-	-		0.1	TERMOMETER	10%
pH	<b>7.7</b> pH	7	8.5		0.05	M-0010 DS 287	10%
Ledningsevne	<b>52</b> mS/m	30	-		0.5	M-0009 DS 288	10%
Ilt	<b>3.2</b> mg/L	5	-	<b>MIN</b>	0.1	M-0064 DS/EN 25814	10%
NVOC	<b>0.7</b> mg/L	-	4		0.1	M-0097 DS/EN 1484	10%
Inddampningsrest	<b>270</b> mg/L	-	1500		20	M-0008 DS 204	10%
Calcium	<b>60.9</b> mg/L	-	200		0.007	M-0139 RefM018/ICP	10%
Magnesium	<b>7.04</b> mg/L	-	50		0.001	M-0139 RefM018/ICP	10%
Natrium	<b>33.8</b> mg/L	-	175		0.06	M-0139 RefM018/ICP	10%
Kalium	<b>1.35</b> mg/L	-	10		0.05	M-0139 RefM018/ICP	10%
Ammonium	<b>0.07</b> mg/L	-	0.05	<b>MAX</b>	0.02	M-0014 DS 224	10%
Jern	<b>0.088</b> mg/L	-	0.1		0.002	M-0139 RefM018/ICP	10%
Mangan	<b>0.002</b> mg/L	-	0.02		0.001	M-0139 RefM018/ICP	10%
Bicarbonat HCO <sub>3</sub>	<b>195</b> mg/L	100	-		0.5	M-0006 DS 256	10%
Klorid	<b>53</b> mg/L	-	250		0.5	M-0018.DS/ENISO10304	10%
Sulfat	<b>22</b> mg/L	-	-		0.5	M-0018 DS/ENISO10304	10%
Nitrat	<b>3.2</b> mg/L	-	50		0.5	M-0018 DS/ENISO10304	10%
Nitrit	<b>0.007</b> mg/L	-	0.01		0.001	M-0015 DS 222	10%
Total-P	<b>0.02</b> mg/L	-	0.15		0.01	M-0020 DS 292	10%
Fluorid	<b>0.2</b> mg/L	-	1.5		0.1	M-0018 DS/ENISO10304	10%
Aggressiv CO <sub>2</sub>	<b>&lt;2</b> mg/L	-	5		2	M-0004 DS 236	10%
Arsen	<b>4.39</b> µg/L	-	5		0.02	M-0140 RefM018/ICP-MS	10%
Barium	<b>21</b> µg/L	-	700		1	M-0140 RefM018/ICP-MS	10%
Bor	<b>0.03</b> mg/L	-	1		0.01	M-0140 RefM018/ICP-MS	10%
Nikkel	<b>2.13</b> µg/L	-	20		0.03	M-0140 RefM018/ICP-MS	10%
Cobalt	<b>0.95</b> µg/L	-	5		0.05	M-0140 RefM018/ICP-MS	10%

#### Bemærkninger:

Der findes ingen krav til råvand. Grænseværdier for afgang fra vandværk er vist til orientering.

**LAB nr:** 17-07351  
**Prøvemærkning:**  
**Prøvetype:** Råvandskontrol - Pesticidkontrol  
**Prøvested:** Astrup VV DGU 41.1174  
**Grænseværdier:** Miljøstyrelsen, BEK nr. 802 d. 01.06.2016

**Prøvetager:** NNI, AnalyTech Miljølaboratorium A/S  
**Prøvetagningsmetode:** M-0061 DS/ISO 5667  
**Prøvetagningsperiode:** 01.05.2017 13:02 - 01.05.2017 13:11  
**Prøvetagningssted:**  
**Analyseperiode:** 01.05.2017 - 22.05.2017

Analyseparameter	Resultat	Min	Max	Udenfor	D.L.	Metode/Reference	+/-
2.4 D	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Atrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Bentazon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Dichlobenil	<0.01 µg/L	-	0.1		0.01	M-0100 GC-MS	10%
Dichlorprop	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
Diuron	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
ETU (Ethylenthiourea)	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Glyphosat	<0.01 µg/L	-	0.1		0.01	M-0166 LC-MS-MS	20%
Hexazinon	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
MCPA	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Mechlorprop	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Metalaxyl/Metalaxyl-M	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metribuzin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Simazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
2.6-Dichlorbenzoesyre	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
2.4-Dichlorphenol	<0.01 µg/L	-	0.1		0.01	M-0100 LC-MS	15%
2.6-Dichlorphenol	<0.01 µg/L	-	0.1		0.01	M-0100 LC-MS	10%
4-CPP	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
2.6-DCPP	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
4-nitrophenol	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
AMPA	<0.01 µg/L	-	0.1		0.01	M-0166 LC-MS-MS	20%
BAM (2.6-dichlorbenzamid)	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	10%
CGA62826	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
CGA108906	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desethyl-desisopropylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desethylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desethylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Desethylterbutylazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Desisopropylatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Desisopropylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Didealkylhydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Hydroxyatrazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Hydroxysimazin	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	15%
Metribuzin-desamino-deketo	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metribuzin-diketo	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%
Metribuzin-desamino	<0.01 µg/L	-	0.1		0.01	M-0165 LC-MS-MS	20%

**Bemærkninger:**

Der findes ingen krav til råvand. Grænseværdier for afgang fra vandværk er vist til orientering.

**Rekvirent:** Astrup Vandværk  
**Kopi:** Danmarks Miljøportal, Sundhedsstyrelsen Nord, Mariagerfjord Kommune, vedr. fk mm.

Nørresundby d. 22.05.2017

**Forklaring:**

D.L.: Detektionsgrænse <: Mindre end  
 +/-: Total ekspanderet usikkerhed (2x total RSD%) >: Større end



Sven-Erik Lykke, laboratoriefachef

Analyserapporten må kun gengives i uddrag, hvis den enten er offentlig tilgængelig, eller hvis laboratoriet har godkendt uddraget.  
 Resultaterne gælder udelukkende for de analyserede prøver.

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