



Client sample ID R23-2812-2/EgKa/Egilsstadir-kalt vatn-Grunnskóli Egs, Köldukvíslarveita
 Laboratory sample ID ST2343503-002
 Client sampling date / time 2023-11-28
 Sub-Matrix DRINKING WATER

Parameter	Result	MU	Unit	LOR	Method	Issuer
Halogenated Volatile Organic Compounds						
OV-10						
Chloroform	<0.10	----	µg/L	0.10	W-VOCGMS01	PR
Bromoform	<0.20	----	µg/L	0.20	W-VOCGMS01	PR
Dibromochloromethane	<0.10	----	µg/L	0.10	W-VOCGMS01	PR
Bromodichloromethane	<0.10	----	µg/L	0.10	W-VOCGMS01	PR
Sum of 4 Trihalomethanes (M1)	<0.250	----	µg/L	0.250	W-VOCGMS01	PR
Sample Pre-Preparation						
V-2-S						
Stabilisation	Yes *	----	-	-	W-PPV-S	LE
Total Metals/Major Cations						
V-2						
Aluminum	0.510	± 0.139	µg/L	0.2	W-SFMS-5A	LE
Arsenic	<0.05	----	µg/L	0.05	W-SFMS-5A	LE
Barium	0.0417	± 0.0074	µg/L	0.01	W-SFMS-5A	LE
Cadmium	<0.002	----	µg/L	0.002	W-SFMS-5A	LE
Calcium	5.18	± 0.65	mg/L	0.1	W-AES-1A	LE
Chromium	0.0840	± 0.0134	µg/L	0.01	W-SFMS-5A	LE
Cobalt	<0.005	----	µg/L	0.005	W-SFMS-5A	LE
Copper	0.976	± 0.137	µg/L	0.1	W-SFMS-5A	LE
Iron	<0.0004	----	mg/L	0.0004	W-SFMS-5A	LE
Lead	0.0455	± 0.0069	µg/L	0.01	W-SFMS-5A	LE
Magnesium	1.76	± 0.21	mg/L	0.09	W-AES-1A	LE
Manganese	<0.03	----	µg/L	0.03	W-SFMS-5A	LE
Mercury	<0.002	----	µg/L	0.002	W-AFS-17V2	LE
Molybdenum	<0.05	----	µg/L	0.05	W-SFMS-5A	LE
Nickel	0.0510	± 0.0191	µg/L	0.05	W-SFMS-5A	LE
Phosphorus	8.24	± 1.34	µg/L	1	W-SFMS-5A	LE
Potassium	<0.4	----	mg/L	0.4	W-AES-1A	LE
Silicon	7.05	± 0.82	mg/L	0.03	W-AES-1A	LE
Sodium	4.52	± 0.54	mg/L	0.1	W-AES-1A	LE
Strontium	4.25	± 0.61	µg/L	2	W-AES-1A	LE
Vanadium	1.25	± 0.18	µg/L	0.005	W-SFMS-5A	LE
Zinc	1.55	± 0.28	µg/L	0.2	W-SFMS-5A	LE
V-2-ADD						
Boron	<10	----	µg/L	10	W-AES-1A	LE
V-2-Bas-ADD						
Antimony	<0.01	----	µg/L	0.01	W-SFMS-5A	LE
Lithium	<0.05 *	----	µg/L	0.050	W-SFMS-5A	LE
Selenium	<0.3	----	µg/L	0.3	W-SFMS-5A	LE
V-2-S						
Sulfur	0.420	± 0.050	mg/L	0.2	W-AES-1A	LE
BTEX						
OV-5A						
Benzene	<0.2	----	µg/L	0.2	HS-OV-21	ST
Toluene	<0.2	----	µg/L	0.2	HS-OV-21	ST
Ethylbenzene	<0.2	----	µg/L	0.2	HS-OV-21	ST
Sum of Xylenes	<0.2	----	µg/L	0.2	HS-OV-21	ST



Parameter	Result	MU	Unit	LOR	Method	Issuer
Polycyclic Aromatics Hydrocarbons (PAHs)						
GRV-PAH						
Naphthalene	<0.0070	----	µg/L	0.0070	W-PAHGMS04	PR
Acenaphthylene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Acenaphthene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Fluorene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Phenanthrene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Anthracene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Fluoranthene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Pyrene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Benz(a)anthracene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Chrysene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Benzo(b)fluoranthene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Benzo(k)fluoranthene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Benzo(a)pyrene	<0.0010	----	µg/L	0.0010	W-PAHGMS04	PR
Indeno(1.2.3.cd)pyrene	<0.00030	----	µg/L	0.00030	W-PAHGMS04	PR
Benzo(g,h,i)perylene	<0.00030	----	µg/L	0.00030	W-PAHGMS04	PR
Dibenz(a,h)anthracene	<0.00060	----	µg/L	0.00060	W-PAHGMS04	PR
Sum of carcinogenic PAH (M1)	<0.00295	----	µg/L	0.00295	W-PAHGMS04	PR
Sum of PAH L (M1)	<0.00450	----	µg/L	0.00450	W-PAHGMS04	PR
Sum of PAH M (M1)	<0.00250	----	µg/L	0.00250	W-PAHGMS04	PR
Sum of PAH H (M1)	<0.00310	----	µg/L	0.00310	W-PAHGMS04	PR
Sum of 16 PAH (M1)	<0.0101	----	µg/L	0.101	W-PAHGMS04	PR
Sum of other PAH (M1)	<0.00715	----	µg/L	0.00715	W-PAHGMS04	PR
Nonmetallic Inorganic Parameters						
Ammonium i vatten						
Ammonia and ammonium ions as NH ₄	<0.050	----	mg/L	0.050	W-NH4-SPC	PR
Ammonia and ammonium ions as N	<0.040	----	mg/L	0.040	W-NH4-SPC	PR
Cyanid (total) i vatten						
Total Cyanide	<0.005	----	mg/L	0.005	W-CNT-PHO	PR
Fluorid i vatten						
Fluoride	<0.200	----	mg/L	0.200	W-F-IC	PR
Klorid i vatten						
Chloride	4.63	± 0.695	mg/L	1.00	W-CL-IC	PR
Nitrat i vatten(0,02 mg						
Nitrate as N	0.023 *	----	mg/L	0.005	W-IC-1/AKL	AK
Nitrate	0.102 *	----	mg/L	0.022	W-IC-1/AKL	AK
Nitrit i vatten (SPC)						
Nitrites	<0.0050	----	mg/L	0.0050	W-NO2-SPC	PR
Nitrite as N	<0.0020	----	mg/L	0.0020	W-NO2-SPC	PR
Sulfat i vatten (IC)						
Sulphate as SO ₄ 2-	<5.00	----	mg/L	5.00	W-SO4-IC	PR
Halogenated Volatile Organic Compounds						
OV-6B						
Dichloromethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1.1-Dichloroethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1.2-Dichloroethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
trans-1.2-Dichloroethene	<0.1	----	µg/L	0.1	HS-OV-6b	ST
cis-1.2-Dichloroethene	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1.2-Dichloropropane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
Chloroform	<0.1	----	µg/L	0.1	HS-OV-6b	ST
Tetrachloromethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1.1.1-Trichloroethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1.1.2-Trichloroethane	<0.1	----	µg/L	0.1	HS-OV-6b	ST



Parameter	Result	MU	Unit	LOR	Method	Issuer
Halogenated Volatile Organic Compounds - Continued						
OV-6B - Continued						
Trichloroethene	<0.1	----	µg/L	0.1	HS-OV-6b	ST
Tetrachloroethene	<0.1	----	µg/L	0.1	HS-OV-6b	ST
Vinyl chloride	<0.1	----	µg/L	0.1	HS-OV-6b	ST
1,1-Dichloroethene	<0.1	----	µg/L	0.1	HS-OV-6b	ST
Physical Parameters						
Färg						
Colour (True)	<5.0	----	mgPt/l	5.0	W-COL-SPC	PR
Other						
TOC						
Total Organic Carbon	<0.50	----	mg/L	0.50	W-TOC-IR	PR