



CERTIFICATE OF ANALYSIS

Work Order	: ST2450513	Page	: 1 of 9
Client	: Matis ohf	Project	: ----
Contact	: Hrólfur Sigurdsson	Purchase Number	: ST2450513
Address	: Food Research, inn. and safety Vinlandsleid 12 -113 Reykjavik Iceland	Sampler	: ----
E-mail	: hrolfur@matis.is	Site	: ----
Telephone	: 3544225000	Date Samples Received	: 2024-12-12 09:00
C-O-C number	: ----	Date Analysis Commenced	: 2024-12-13
Quote number	: HL2020SE-MAT-OHF0001 (OF191270)	Issue Date	: 2025-01-02 15:34
		No. of samples received	: 2
		No. of samples analysed	: 2

General Comments

This certificate represents the original certificate and may not be modified or reproduced other than in full, except with the prior written approval of the issuing lab. The results apply only to the material that has been identified, received, and tested. The laboratory has no responsibility for information in this certificate that has been provided by the customer, or results that may be affected by such information. Regarding the laboratory's liability in relation to assignment, please refer to our website <http://www.alsglobal.se>

Workorder Comments

Should a sample contain sediment it is decanted prior to volatile compounds determination.

Signatories	Position
Niina Veuro	Laboratory Manager

Niina Veuro



Laboratory	: ALS Scandinavia AB Danderyd	Webpage	: www.alsglobal.se
Address	: Rinkebyvägen 19C 182 36 Danderyd Sweden	E-mail	: info.ta@alsglobal.com
		Telephone	: +46 8 5277 5200



Analytical Results

Client sample ID **R24-3001-1/Seydisfjörður-vatnsveita hreinsistöð**
 Laboratory sample ID **ST2450513-001**
 Client sampling date / time **Not specified**
 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	5.07	± 0.76	µg/L	0.2	W-SFMS-5A	LE
Arsenic	<0.05	----	µg/L	0.05	W-SFMS-5A	LE
Barium	0.0866	± 0.0135	µg/L	0.01	W-SFMS-5A	LE
Cadmium	<0.002	----	µg/L	0.002	W-SFMS-5A	LE
Calcium	2.71	± 0.34	mg/L	0.1	W-AES-1A	LE
Chromium	0.0678	± 0.0111	µg/L	0.01	W-SFMS-5A	LE
Cobalt	0.0136	± 0.0036	µg/L	0.005	W-SFMS-5A	LE
Copper	0.412	± 0.063	µg/L	0.1	W-SFMS-5A	LE
Iron	0.0193	± 0.0030	mg/L	0.0004	W-SFMS-5A	LE
Lead	0.0241	± 0.0040	µg/L	0.01	W-SFMS-5A	LE
Magnesium	1.09	± 0.13	mg/L	0.09	W-AES-1A	LE
Manganese	0.361	± 0.050	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	0.0664	± 0.0202	µg/L	0.05	W-SFMS-5A	LE
Phosphorus	1.50	± 0.25	µg/L	1	W-SFMS-5A	LE
Potassium	<0.4	----	mg/L	0.4	W-AES-1A	LE
Silicon	3.96	± 0.46	mg/L	0.03	W-AES-1A	LE
Sodium	4.08	± 0.49	mg/L	0.1	W-AES-1A	LE
Strontium	4.74	± 0.68	µg/L	2	W-AES-1A	LE
Vanadium	0.700	± 0.103	µg/L	0.005	W-SFMS-5A	LE
Zinc	1.16	± 0.22	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	0.0726	± 0.0140	µg/L	0.01	W-SFMS-5A	LE
Lithium	0.0866 *	----	µg/L	0.050	W-SFMS-5A	LE
Selenium	<0.3	----	µg/L	0.3	W-SFMS-5A	LE
V-2-S						
Sulfur	0.374	± 0.045	mg/L	0.2	W-AES-1A	LE
BTEX						
OV-5A						
Benzene	<0.2	----	µg/L	0.2	HS-OV-21	ST



Parameter	Result	MU	Unit	LOR	Method	Issuer
BTEX - Continued						
OV-5A - Continued						
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
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	5.32	± 0.798	mg/L	4.00	W-CL-IC	PR
Nitrat i vatten(0,02 mg)						
Nitrate as N	0.032 *	----	mg/L	0.005	W-IC-1/AKL	AK
Nitrate	0.142 *	----	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



Parameter	Result	MU	Unit	LOR	Method	Issuer
Halogenated Volatile Organic Compounds - Continued						
OV-6B - Continued						
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
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