



CERTIFICATE OF ANALYSIS

Work Order	: PR2569833	Issue Date	: 13-Jun-2025
Customer	: SIA GEO Consultants	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Jānis Ābeltiņš	Contact	: Client Service
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Project	: Ūdensgūtne "Kombinats", Dobeles novads, Krīmunu pagasts	Page	: 1 of 3
Order number	: ----	Date Samples Received	: 04-Jun-2025
		Quote number	: PR2022SIAGE-LV0001 (CZ-207-22-0781)
Site	: ----	Date of test	: 05-Jun-2025 - 13-Jun-2025
Sampled by	: customer	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory. The laboratory is not responsible for the sample data supplied by the customer and their impact on the validity of the result.

The laboratory declares that the test results relate only to the listed samples. If "ALS" is not included in the test report in the "Sampled by" section, then the results refer to the sample as received.

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

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories

Lubomír Pokorný

Position

Country Manager



The company is certified according to ČSN EN ISO 14001 (Environmental management systems) and ČSN ISO 45001 (Occupational health and safety management systems)



Analytical Results

Sub-Matrix: GROUNDWATER

Client sample ID

Laboratory sample ID

Client sampling date / time

				1. Urb. Nr. 1 (DB7741)		2. Urb. Nr. 2 (DB7740)		3. Urb. Nr. 3 (DB1893)	
				PR2569833001		PR2569833002		PR2569833003	
				14-May-2025		14-May-2025		14-May-2025	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Nonmetallic Inorganic Parameters									
Dissolved solids dried at 105 °C	W-TDS-GR	10	mg/L	349	± 9.9%	387	± 9.8%	321	± 9.9%
Dissolved Metals / Major Cations									
Antimony	W-METMSFLL1	0.050	µg/L	<0.050	---	<0.050	---	<0.050	---
Arsenic	W-METMSFLL1	0.200	µg/L	1.88	± 13.8%	0.397	± 29.8%	3.38	± 12.0%
Cadmium	W-METMSFLL1	0.020	µg/L	<0.020	---	<0.020	---	<0.020	---
Chromium	W-METMSFLL1	0.500	µg/L	<0.500	---	<0.500	---	<0.500	---
Lead	W-METMSFLL1	0.050	µg/L	0.070	± 35.8%	<0.050	---	<0.050	---
Mercury	W-HG-AFSFL	0.0100	µg/L	<0.0100	---	<0.0100	---	<0.0100	---
Nickel	W-METMSFLL1	0.200	µg/L	<0.200	---	<0.200	---	<0.200	---
Selenium	W-METMSFLL1	0.200	µg/L	<0.200	---	<0.200	---	<0.200	---
Halogenated Volatile Organic Compounds									
Tetrachloroethene	W-VOCGMS01	0.20	µg/L	<0.20	---	<0.20	---	<0.20	---
Trichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	---	<0.10	---	<0.10	---

Sub-Matrix: GROUNDWATER

Client sample ID

Laboratory sample ID

Client sampling date / time

				4. Urb. Nr. 4 z.i.p. Ptlēni (DB7739)					
				PR2569833004					
				14-May-2025					
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Nonmetallic Inorganic Parameters									
Dissolved solids dried at 105 °C	W-TDS-GR	10	mg/L	326	± 9.9%	----	----	----	----
Dissolved Metals / Major Cations									
Antimony	W-METMSFLL1	0.050	µg/L	<0.050	---	----	----	----	----
Arsenic	W-METMSFLL1	0.200	µg/L	5.99	± 10.9%	----	----	----	----
Cadmium	W-METMSFLL1	0.020	µg/L	<0.020	---	----	----	----	----
Chromium	W-METMSFLL1	0.500	µg/L	<0.500	---	----	----	----	----
Lead	W-METMSFLL1	0.050	µg/L	<0.050	---	----	----	----	----
Mercury	W-HG-AFSFL	0.0100	µg/L	<0.0100	---	----	----	----	----
Nickel	W-METMSFLL1	0.200	µg/L	0.789	± 16.7%	----	----	----	----
Selenium	W-METMSFLL1	0.200	µg/L	<0.200	---	----	----	----	----
Halogenated Volatile Organic Compounds									
Tetrachloroethene	W-VOCGMS01	0.20	µg/L	<0.20	---	----	----	----	----
Trichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	---	----	----	----	----

When sampling date is not provided by the client, the laboratory determines it for procedural reasons, then it is equal to the date of receipt of the sample to the laboratory and is displayed in brackets. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

Brief Method Summaries

Analytical Methods	Method Descriptions
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-HG-AFSFL	CZ_SOP_D06_02_096 (US EPA Method 245.7, CSN EN ISO 17852) - Determination of Mercury by Fluorescence Spectrometry. Sample was filtered by microfilter with porosity 0.45 µm followed by nitric acid addition prior to analysis.
W-METMSFLL1	CZ_SOP_D06_02_002 (US EPA Method 200.8, CSN EN ISO 17294-2, US EPA Method 6020A, CSN 75 7358) - Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca +Mg. Sample was filtered by microfilter with porosity 0.45 µm followed by nitric acid addition prior to analysis.
W-TDS-GR	CZ_SOP_D06_02_071 (CSN 757346, CSN 757347, CSN EN 15216, SM 2540C) Determination of dissolved solids (RL) and dissolved solids annealed (RAS) using glass fibre filters by gravimetry and calculation of loss on ignition of dissolved solids (RL550) from measured values (glass microfibre filter of porosity 1,2 µm).



Analytical Methods	Method Descriptions
W-VOCGMS01	CZ_SOP_D06_03_155 (US EPA Method 624, US EPA Method 5021A, US EPA Method 8260, US EPA 8015, CSN EN ISO 10301, MADEP 2004, rev. 1.1, CSN ISO 11423-1, CSN EN ISO 15680) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.

The symbol "*" for the method indicates a test outside the scope of accreditation of the laboratory or subcontractor. If the UNICO-SUB code is stated in the method table, this only informs that the tests have been performed by a subcontractor and the results are given in an annex to the test report, including information on test accreditation. If the lab used for matrix outside the scope of accreditation or non-standard sample matrix procedure specified in the accredited method and issues non-accredited results, this fact is stated on the title page of this protocol in the section "Notes". If the test report shows the results of subcontracting, the place of performance of the test is outside the laboratories of ALS Czech Republic, s.r.o.

The method for calculating of the summation parameters is available on request in the customer service.

The end of the certificate of analysis