CERTIFICATE OF ANALYSIS

Work Order	: **PR2119437**	Issue Date	: 23-Mar-2021
Amendment	: **1**		
Customer	: **ALS Poland sp. z o.o.**	Laboratory	: ALS Czech Republic, s.r.o.
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Project	: 4007868	Page	: 1 of 8
Order number	: ----	Date Samples Received	: 10-Mar-2021
		Quote number	: PR2021ALSPL-PL0001 (PL-130-21-0065)
Site	: ----	Date of test	: 11-Mar-2021 - 22-Mar-2021
Sampled by	: Client	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 declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Amendment No. 1: Correction of reported parameters. This report supersedes CoA PR2119437 issued on 22-03-2021.

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	*Position*
Zdeněk Jirák	Environmental Business Unit 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: **DRINKING WATER**			*Client sample ID*	**PO2100156001 Kamieńszczyzna**		**PO2100156002 Dąbrowa**		**PO2100156003 Więcki**	
			Laboratory sample ID	*PR2119437-001*		*PR2119437-002*		*PR2119437-003*	
			Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		[10-Mar-2021]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Colour (True)	W-COL-SPC	2.0	mgPt/l	**3.3**	± 1.0	<2.0	----	<2.0	----
Turbidity	W-TUR-COL	1.00	ZFn (NTU)	<1.00	----	<1.00	----	<1.00	----
Nonmetallic Inorganic Parameters									
Bromates	W-OXY-IC	5.0	µg/L	<5.0	----	<5.0	----	<5.0	----
Bromide	W-ANI-ENV	0.050	mg/L	<0.050	----	<0.050	----	<0.050	----
Total Cyanide	W-CNT-PHO	0.005	mg/L	<0.005	----	<0.005	----	<0.005	----
Chloride	W-ANI-ENV	0.500	mg/L	**22.4**	± 3.36	**11.7**	± 1.75	**15.3**	± 2.29
Chlorite	W-OXY-IC	10	µg/L	<10	----	<10	----	<10	----
Chlorate	W-OXY-IC	10	µg/L	<10	----	<10	----	<10	----
Fluoride	W-ANI-ENV	0.020	mg/L	**0.062**	± 0.009	**0.059**	± 0.009	**0.073**	± 0.011
Nitrates	W-ANI-ENV	0.040	mg/L	**31.3**	± 4.70	**21.1**	± 3.17	**35.9**	± 5.38
Sum of chlorites and chlorates	W-OXY-IC	20	µg/L	<20	----	<20	----	<20	----
Nitrites	W-ANI-ENV	0.040	mg/L	<0.040	----	<0.040	----	<0.040	----
Sulphate as SO4 2-	W-ANI-ENV	0.500	mg/L	**59.5**	± 8.92	**18.3**	± 2.75	**21.6**	± 3.24
Nitrate as N	W-ANI-ENV	0.010	mg/L	**7.08**	± 1.06	**4.77**	± 0.716	**8.11**	± 1.22
Nitrite as N	W-ANI-ENV	0.010	mg/L	<0.010	----	<0.010	----	<0.010	----
Total Metals / Major Cations									
Aluminium	W-METMSFX5	5.0	µg/L	<5.0	----	<5.0	----	<5.0	----
Antimony	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Arsenic	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Barium	W-METMSFX5	0.50	µg/L	**45.5**	± 4.55	**9.61**	± 0.96	**13.1**	± 1.31
Beryllium	W-METMSFX5	0.20	µg/L	<0.20	----	<0.20	----	<0.20	----
Bismuth	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Boron	W-METMSFX5	10	µg/L	**12**	± 1	<10	----	<10	----
Cadmium	W-METMSFX5	0.20	µg/L	<0.20	----	**0.44**	± 0.04	<0.20	----
Calcium	W-METMSFX5	50.0	µg/L	**97900**	± 9790	**53000**	± 5300	**63400**	± 6340
Chromium	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Cobalt	W-METMSFX5	0.50	µg/L	<0.50	----	<0.50	----	<0.50	----
Copper	W-METMSFX5	1.0	µg/L	**4.7**	± 0.5	<1.0	----	<1.0	----
Iron	W-METMSFX5	2.0	µg/L	**81.2**	± 8.1	**2.9**	± 0.3	**3.2**	± 0.3
Lead	W-METMSFX5	1.0	µg/L	**1.1**	± 0.1	<1.0	----	<1.0	----
Lithium	W-METMSFX5	1.0	µg/L	**1.9**	± 0.2	**2.4**	± 0.2	**2.6**	± 0.2
Magnesium	W-METMSFX5	3.0	µg/L	**3790**	± 379	**1890**	± 189	**2530**	± 253
Manganese	W-METMSFX5	0.50	µg/L	**8.57**	± 0.86	<0.50	----	<0.50	----
Mercury	W-HG-AFSFX	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Molybdenum	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Nickel	W-METMSFX5	2.0	µg/L	**4.9**	± 0.5	<2.0	----	<2.0	----
Potassium	W-METMSFX5	50	µg/L	**3740**	± 374	**739**	± 74	**796**	± 80
Selenium	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Silver	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Sodium	W-METMSFX5	30	µg/L	**10900**	± 1090	**4740**	± 474	**5230**	± 523
Strontium	W-METMSFX5	1.0	µg/L	**91.2**	± 9.1	**59.7**	± 6.0	**73.2**	± 7.3
Tellurium	W-METMSFX5	5.0	µg/L	<5.0	----	<5.0	----	<5.0	----
Thallium	W-METMSFX5	0.50	µg/L	<0.50	----	<0.50	----	<0.50	----
Tin	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Titanium	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Vanadium	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Zinc	W-METMSFX5	2.0	µg/L	**105**	± 10.5	**74.9**	± 7.5	**10.5**	± 1.0
Uranium	W-METMSFX5	0.10	µg/L	**4.63**	± 0.46	**0.36**	± 0.04	**0.52**	± 0.05
Phosphorus	W-METMSFX5	50.0	µg/L	<50.0	----	<50.0	----	<50.0	----
BTEX									
Benzene	W-VOCGMS02	0.20	µg/L	<0.20	----	<0.20	----	<0.20	----
Toluene	W-VOCGMS02	1.0	µg/L	<1.0	----	<1.0	----	<1.0	----
Ethylbenzene	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
meta- & para-Xylene	W-VOCGMS02	0.20	µg/L	<0.20	----	<0.20	----	<0.20	----

Sub-Matrix: **DRINKING WATER**			*Client sample ID*	**PO2100156001 Kamieńszczyzna**		**PO2100156002 Dąbrowa**		**PO2100156003 Więcki**	
			Laboratory sample ID	*PR2119437-001*		*PR2119437-002*		*PR2119437-003*	
			Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		[10-Mar-2021]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
BTEX - Continued									
ortho-Xylene	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Sum of BTEX	W-VOCGMS02	1.60	µg/L	<1.60	----	<1.60	----	<1.60	----
Sum of xylenes	W-VOCGMS02	0.30	µg/L	<0.30	----	<0.30	----	<0.30	----
Halogenated Volatile Organic Compounds									
Epichlorohydrin	W-EPIGMS01	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Vinyl chloride	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Chloroform	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
1.2-Dichloroethane	W-VOCGMS02	0.750	µg/L	<0.750	----	<0.750	----	<0.750	----
Bromodichloromethane	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Trichloroethene	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Dibromochloromethane	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Tetrachloroethene	W-VOCGMS02	0.20	µg/L	<0.20	----	<0.20	----	<0.20	----
Bromoform	W-VOCGMS02	0.20	µg/L	<0.20	----	<0.20	----	<0.20	----
Tetrachloromethane	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Sum of Trichloroethene and Tetrachloroethene	W-VOCGMS02	0.30	µg/L	<0.30	----	<0.30	----	<0.30	----
Sum of 4 Trihalomethanes	W-VOCGMS02	0.50	µg/L	<0.50	----	<0.50	----	<0.50	----
Sum of 4 Trihalomethanes (M4)	W-VOCGMS02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Benzo(b)fluoranthene	W-PAHGMS02	0.0020	µg/L	<0.0020	----	<0.0020	----	<0.0020	----
Benzo(k)fluoranthene	W-PAHGMS02	0.0020	µg/L	<0.0020	----	<0.0020	----	<0.0020	----
Benzo(a)pyrene	W-PAHGMS02	0.0020	µg/L	<0.0020	----	<0.0020	----	<0.0020	----
Indeno(1.2.3.cd)pyrene	W-PAHGMS02	0.0020	µg/L	<0.0020	----	<0.0020	----	<0.0020	----
Benzo(g.h.i)perylene	W-PAHGMS02	0.0020	µg/L	<0.0020	----	<0.0020	----	<0.0020	----
Sum of 4 PAH	W-PAHGMS02	0.0080	µg/L	<0.0080	----	<0.0080	----	<0.0080	----
Organochlorine Pesticides									
Hexachloroethane	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorobutadiene	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
1.2.3.5- & 1.2.4.5-Tetrachlorobenzene	W-OCPECD01	0.020	µg/L	<0.020	----	<0.020	----	<0.020	----
1.2.3.4-Tetrachlorobenzene	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Pentachlorobenzene	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Trifluralin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Alpha	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorobenzene (HCB)	W-OCPECD01	0.0050	µg/L	<0.0050	----	<0.0050	----	<0.0050	----
Hexachlorocyclohexane Beta	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Gamma	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Delta	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Epsilon	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Alachlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Heptachlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Aldrin	W-OCPECD01	0.0050	µg/L	<0.0050	----	<0.0050	----	<0.0050	----
Telodrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Isodrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-cis	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-trans	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
2.4-DDE	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
alpha-Endosulfan	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
4.4`-DDE	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Dieldrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
2.4-DDD	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Endrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
beta-Endosulfan	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
4.4`-DDD	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
2.4-DDT	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
4.4`-DDT	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----
Methoxychlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	<0.010	----

Sub-Matrix: DRINKING WATER			Client sample ID	PO2100156001 Kamieńszczyzna		PO2100156002 Dąbrowa		PO2100156003 Więcki	
			Laboratory sample ID	PR2119437-001		PR2119437-002		PR2119437-003	
			Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		[10-Mar-2021]	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Organochlorine Pesticides - Continued									
Dichlobenil	W-OCPECD01	0.050	µg/L	<0.050	----	<0.050	----	<0.050	----
Sum of 3 tetrachlorobenzenes	W-OCPECD01	0.030	µg/L	<0.030	----	<0.030	----	<0.030	----
Sum of 4 hexachlorcyclohexanes	W-OCPECD01	0.040	µg/L	<0.040	----	<0.040	----	<0.040	----
Sum of 4 isomers DDT	W-OCPECD01	0.040	µg/L	<0.040	----	<0.040	----	<0.040	----
Sum of 6 isomers DDT	W-OCPECD01	0.060	µg/L	<0.060	----	<0.060	----	<0.060	----
Sum of endosulfanes	W-OCPECD01	0.020	µg/L	<0.020	----	<0.020	----	<0.020	----
Sum of 5 hexachlorocyclohexanes	W-OCPECD01	0.050	µg/L	<0.050	----	<0.050	----	<0.050	----
Sum of 27 OCPs + 3 CBs	W-OCPECD01	0.290	µg/L	<0.290	----	<0.290	----	<0.290	----
Sum of 25 OCPs + 3 CBs	W-OCPECD01	0.270	µg/L	<0.270	----	<0.270	----	<0.270	----
Sum of 29 OCPs + 3 CBs	W-OCPECD01	0.350	µg/L	<0.350	----	<0.350	----	<0.350	----
Dicofol	W-OCPECD01	0.030	µg/L	<0.030	----	<0.030	----	<0.030	----
Quintozene & Pentachloroanaline	W-OCPECD01	0.020	µg/L	<0.020	----	<0.020	----	<0.020	----
Pesticides									
Sum of determined pesticides and relevant metabolites (M4)	W-PESSUM02	0.10	µg/L	<0.10	----	<0.10	----	<0.10	----

Sub-Matrix: DRINKING WATER			Client sample ID	PO2100156004 Popów Strażacka		PO2100156005 Popów PCK		----	
			Laboratory sample ID	PR2119437-004		PR2119437-005		----	
			Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Colour (True)	W-COL-SPC	2.0	mgPt/l	<2.0	----	<2.0	----	----	----
Turbidity	W-TUR-COL	1.00	ZFn (NTU)	<1.00	----	<1.00	----	----	----
Nonmetallic Inorganic Parameters									
Bromates	W-OXY-IC	5.0	µg/L	<5.0	----	<5.0	----	----	----
Bromide	W-ANI-ENV	0.050	mg/L	<0.050	----	<0.050	----	----	----
Total Cyanide	W-CNT-PHO	0.005	mg/L	<0.005	----	<0.005	----	----	----
Chloride	W-ANI-ENV	0.500	mg/L	**21.5**	± 3.23	**14.6**	± 2.19	----	----
Chlorite	W-OXY-IC	10	µg/L	<10	----	<10	----	----	----
Chlorate	W-OXY-IC	10	µg/L	<10	----	<10	----	----	----
Fluoride	W-ANI-ENV	0.020	mg/L	**0.023**	± 0.003	**0.046**	± 0.007	----	----
Nitrates	W-ANI-ENV	0.040	mg/L	**25.2**	± 3.78	**19.8**	± 2.97	----	----
Sum of chlorites and chlorates	W-OXY-IC	20	µg/L	<20	----	<20	----	----	----
Nitrites	W-ANI-ENV	0.040	mg/L	**0.090**	± 0.022	<0.040	----	----	----
Sulphate as SO4 2-	W-ANI-ENV	0.500	mg/L	**35.6**	± 5.34	**30.7**	± 4.61	----	----
Nitrate as N	W-ANI-ENV	0.010	mg/L	**5.69**	± 0.853	**4.48**	± 0.672	----	----
Nitrite as N	W-ANI-ENV	0.010	mg/L	**0.027**	± 0.007	<0.010	----	----	----
Total Metals / Major Cations									
Aluminium	W-METMSFX5	5.0	µg/L	<5.0	----	<5.0	----	----	----
Antimony	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----
Arsenic	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----
Barium	W-METMSFX5	0.50	µg/L	**21.8**	± 2.18	**13.7**	± 1.37	----	----
Beryllium	W-METMSFX5	0.20	µg/L	<0.20	----	<0.20	----	----	----
Bismuth	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----
Boron	W-METMSFX5	10	µg/L	**14**	± 1	<10	----	----	----
Cadmium	W-METMSFX5	0.20	µg/L	<0.20	----	<0.20	----	----	----
Calcium	W-METMSFX5	50.0	µg/L	**59100**	± 5910	**51200**	± 5120	----	----
Chromium	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----
Cobalt	W-METMSFX5	0.50	µg/L	<0.50	----	<0.50	----	----	----
Copper	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----
Iron	W-METMSFX5	2.0	µg/L	**19.2**	± 1.9	**6.8**	± 0.7	----	----
Lead	W-METMSFX5	1.0	µg/L	<1.0	----	<1.0	----	----	----

Sub-Matrix: **DRINKING WATER**				*Client sample ID*	**PO2100156004 Popów Strażacka**		**PO2100156005 Popów PCK**		**----**	
				Laboratory sample ID	*PR2119437-004*		*PR2119437-005*		----	
				Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations - Continued										
Lithium	W-METMSFX5	1.0	µg/L		**1.5**	± 0.2	**1.5**	± 0.2	**----**	----
Magnesium	W-METMSFX5	3.0	µg/L		**2880**	± 288	**2050**	± 205	**----**	----
Manganese	W-METMSFX5	0.50	µg/L		**5.29**	± 0.53	**0.58**	± 0.06	**----**	----
Mercury	W-HG-AFSFX	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Molybdenum	W-METMSFX5	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Nickel	W-METMSFX5	2.0	µg/L		<2.0	----	<2.0	----	**----**	----
Potassium	W-METMSFX5	50	µg/L		**4750**	± 475	**2310**	± 231	**----**	----
Selenium	W-METMSFX5	1.0	µg/L		**1.1**	± 0.1	**1.8**	± 0.2	**----**	----
Silver	W-METMSFX5	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Sodium	W-METMSFX5	30	µg/L		**9570**	± 957	**5850**	± 585	**----**	----
Strontium	W-METMSFX5	1.0	µg/L		**75.2**	± 7.5	**58.4**	± 5.8	**----**	----
Tellurium	W-METMSFX5	5.0	µg/L		<5.0	----	<5.0	----	**----**	----
Thallium	W-METMSFX5	0.50	µg/L		<0.50	----	<0.50	----	**----**	----
Tin	W-METMSFX5	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Titanium	W-METMSFX5	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Vanadium	W-METMSFX5	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Zinc	W-METMSFX5	2.0	µg/L		**7.9**	± 0.8	**9.7**	± 1.0	**----**	----
Uranium	W-METMSFX5	0.10	µg/L		**0.23**	± 0.02	**0.22**	± 0.02	**----**	----
Phosphorus	W-METMSFX5	50.0	µg/L		<50.0	----	<50.0	----	**----**	----
BTEX										
Benzene	W-VOCGMS02	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Toluene	W-VOCGMS02	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Ethylbenzene	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
meta- & para-Xylene	W-VOCGMS02	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
ortho-Xylene	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Sum of BTEX	W-VOCGMS02	1.60	µg/L		<1.60	----	<1.60	----	**----**	----
Sum of xylenes	W-VOCGMS02	0.30	µg/L		<0.30	----	<0.30	----	**----**	----
Halogenated Volatile Organic Compounds										
Epichlorohydrin	W-EPIGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Vinyl chloride	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Chloroform	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.2-Dichloroethane	W-VOCGMS02	0.750	µg/L		<0.750	----	<0.750	----	**----**	----
Bromodichloromethane	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Trichloroethene	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Dibromochloromethane	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Tetrachloroethene	W-VOCGMS02	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Bromoform	W-VOCGMS02	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Tetrachloromethane	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Sum of Trichloroethene and Tetrachloroethene	W-VOCGMS02	0.30	µg/L		<0.30	----	<0.30	----	**----**	----
Sum of 4 Trihalomethanes	W-VOCGMS02	0.50	µg/L		<0.50	----	<0.50	----	**----**	----
Sum of 4 Trihalomethanes (M4)	W-VOCGMS02	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Benzo(b)fluoranthene	W-PAHGMS02	0.0020	µg/L		<0.0020	----	<0.0020	----	**----**	----
Benzo(k)fluoranthene	W-PAHGMS02	0.0020	µg/L		<0.0020	----	<0.0020	----	**----**	----
Benzo(a)pyrene	W-PAHGMS02	0.0020	µg/L		<0.0020	----	<0.0020	----	**----**	----
Indeno(1.2.3.cd)pyrene	W-PAHGMS02	0.0020	µg/L		<0.0020	----	<0.0020	----	**----**	----
Benzo(g.h.i)perylene	W-PAHGMS02	0.0020	µg/L		<0.0020	----	<0.0020	----	**----**	----
Sum of 4 PAH	W-PAHGMS02	0.0080	µg/L		<0.0080	----	<0.0080	----	**----**	----
Organochlorine Pesticides										
Hexachloroethane	W-OCPECD01	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Hexachlorobutadiene	W-OCPECD01	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
1.2.3.5- & 1.2.4.5-Tetrachlorobenzene	W-OCPECD01	0.020	µg/L		<0.020	----	<0.020	----	**----**	----
1.2.3.4-Tetrachlorobenzene	W-OCPECD01	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Pentachlorobenzene	W-OCPECD01	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Trifluralin	W-OCPECD01	0.010	µg/L		<0.010	----	<0.010	----	**----**	----

Sub-Matrix: **DRINKING WATER**			*Client sample ID*	**PO2100156004 Popów Strażacka**		**PO2100156005 Popów PCK**		**----**	
			Laboratory sample ID	*PR2119437-004*		*PR2119437-005*		----	
			Client sampling date / time	[10-Mar-2021]		[10-Mar-2021]		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Organochlorine Pesticides - Continued									
Hexachlorocyclohexane Alpha	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Hexachlorobenzene (HCB)	W-OCPECD01	0.0050	µg/L	<0.0050	----	<0.0050	----	**----**	----
Hexachlorocyclohexane Beta	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Hexachlorocyclohexane Gamma	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Hexachlorocyclohexane Delta	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Hexachlorocyclohexane Epsilon	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Alachlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Heptachlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Aldrin	W-OCPECD01	0.0050	µg/L	<0.0050	----	<0.0050	----	**----**	----
Telodrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Isodrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Heptachloroepoxide-cis	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Heptachloroepoxide-trans	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
2.4-DDE	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
alpha-Endosulfan	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
4.4`-DDE	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Dieldrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
2.4-DDD	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Endrin	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
beta-Endosulfan	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
4.4`-DDD	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
2.4-DDT	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
4.4`-DDT	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Methoxychlor	W-OCPECD01	0.010	µg/L	<0.010	----	<0.010	----	**----**	----
Dichlobenil	W-OCPECD01	0.050	µg/L	<0.050	----	<0.050	----	**----**	----
Sum of 3 tetrachlorobenzenes	W-OCPECD01	0.030	µg/L	<0.030	----	<0.030	----	**----**	----
Sum of 4 hexachlorcyclohexanes	W-OCPECD01	0.040	µg/L	<0.040	----	<0.040	----	**----**	----
Sum of 4 isomers DDT	W-OCPECD01	0.040	µg/L	<0.040	----	<0.040	----	**----**	----
Sum of 6 isomers DDT	W-OCPECD01	0.060	µg/L	<0.060	----	<0.060	----	**----**	----
Sum of endosulfanes	W-OCPECD01	0.020	µg/L	<0.020	----	<0.020	----	**----**	----
Sum of 5 hexachlorocyclohexanes	W-OCPECD01	0.050	µg/L	<0.050	----	<0.050	----	**----**	----
Sum of 27 OCPs + 3 CBs	W-OCPECD01	0.290	µg/L	<0.290	----	<0.290	----	**----**	----
Sum of 25 OCPs + 3 CBs	W-OCPECD01	0.270	µg/L	<0.270	----	<0.270	----	**----**	----
Sum of 29 OCPs + 3 CBs	W-OCPECD01	0.350	µg/L	<0.350	----	<0.350	----	**----**	----
Dicofol	W-OCPECD01	0.030	µg/L	<0.030	----	<0.030	----	**----**	----
Quintozene & Pentachloroanaline	W-OCPECD01	0.020	µg/L	<0.020	----	<0.020	----	**----**	----
Pesticides									
Sum of determined pesticides and relevant metabolites (M4)	W-PESSUM02	0.10	µg/L	<0.10	----	<0.10	----	**----**	----

Descriptive Results

Sub-Matrix: **DRINKING WATER**

Method: Compound	*Laboratory sample ID*	*Client sample ID - Client sampling date / time*	*Analytical Results*
Senzory Parameters			
W-ODTA-SEN: Odour	PR2119437-001	**PO2100156001 Kamieńszczyzna**[10-Mar-2021]	acceptable TON1
W-ODTA-SEN: Odour	PR2119437-002	**PO2100156002 Dąbrowa**[10-Mar-2021]	acceptable TON1
W-ODTA-SEN: Odour	PR2119437-003	**PO2100156003 Więcki**[10-Mar-2021]	acceptable TON1
W-ODTA-SEN: Odour	PR2119437-004	**PO2100156004 Popów Strażacka**[10-Mar-2021]	acceptable TON1
W-ODTA-SEN: Odour	PR2119437-005	**PO2100156005 Popów PCK**[10-Mar-2021]	acceptable TON1
W-ODTA-SEN: Taste	PR2119437-001	**PO2100156001 Kamieńszczyzna**[10-Mar-2021]	acceptable TFN1
W-ODTA-SEN: Taste	PR2119437-002	**PO2100156002 Dąbrowa**[10-Mar-2021]	acceptable TFN1
W-ODTA-SEN: Taste	PR2119437-003	**PO2100156003 Więcki**[10-Mar-2021]	acceptable TFN1
W-ODTA-SEN: Taste	PR2119437-004	**PO2100156004 Popów Strażacka**[10-Mar-2021]	acceptable TFN1
W-ODTA-SEN: Taste	PR2119437-005	**PO2100156005 Popów PCK**[10-Mar-2021]	acceptable TFN1

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. 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.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-ANI-ENV	CZ_SOP_D06_02_068 (CSN EN ISO 10304-1) Determination of dissolved fluoride, chloride, nitrite, bromide, nitrate and sulphate by ion liquid chromatography and calculation of nitrite nitrogen and nitrate nitrogen and sulphate sulphur from measured values including the calculation of total mineralization.
W-CNT-PHO	CZ_SOP_D06_02_089.A (CSN 75 7415, CSN EN ISO 14403-2) Determination of total cyanide by spectrophotometry and calculation of complex-forming cyanides from measure values.
W-COL-SPC	CZ_SOP_D06_02_079 (CSN EN ISO 7887) Determination of colour by spectrophotometry.
W-EPIGMS01	CZ_SOP_D06_03_196 (Application list Agilent Technologies 5990-6433EN) Determination of epichlorhydrine by gas chromatography method with MS/MS detection.
W-HG-AFSFX	CZ_SOP_D06_02_096 (US EPA 245.7, CSN EN ISO 17852, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2.) - Determination of Mercury by Fluorescence Spectrometry. Sample was fixed by nitric acid addition prior to analysis.
W-METMSFX5	CZ_SOP_D06_02_002 (US EPA 200.8, CSN EN ISO 17294-2, US EPA 6020A, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1, 10.2) - 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 fixed by nitric acid addition prior to analysis.
W-OCPECD01	CZ_SOP_D06_03_169 (CSN EN ISO 6468, US EPA 8081, DIN 38407-3, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.1, CZ_SOP_D06_03_P02 chap. 9.1) Determination of organochlorine pesticides and other halogen compounds 12) by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values. The method has been modified within a flexible scope of accreditation, see Certificate of Accreditation No. 13/2021 dated 4th January 2021. It refers to parameter: Endrine aldehyde and Endrine ketone.
W-ODTA-SEN	CZ_SOP_D06_04_065 (TNV 75 7340:2005, CSN EN 1622, STN EN 1622). Sensory analysis of water - determination of odour and flavour.
W-OXY-IC	CZ_SOP_D06_02_098 - Determination of dissolved bromate, chlorate and chlorite by ion liquid chromatography method and calculation of the sum of chlorate and chlorite by calculation from measured values. (CSN EN ISO 15061, CSN EN ISO 10304-4)
W-PAHGMS02	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values

Analytical Methods	*Method Descriptions*
W-PESSUM02	CZ_SOP_D06_03_J02 Calculation of sums for parameters of organic chemistry method
W-TUR-COL	CZ_SOP_D06_02_074 (CSN EN ISO 7027-1) Determination of turbidity by optical turbidimeter.
W-VOCGMS02	CZ_SOP_D06_03_155 except chap. 10.5, 10.6 (US EPA 624, US EPA 8260, US EPA 8015, CSN EN ISO 10301, MADEP 2004, rev. 1.1, CSN ISO 11423, 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

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.