



CERTIFICATE OF ANALYSIS

Work Order	: PR2360414	Issue Date	: 19-Jun-2023
Customer	: VISA - Consultores de Geologia Aplicada e Engenharia	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Ana Amaral	Contact	: Client Service
Address	: Rua A Gazeta de Oeiras, n.º 18-A 2780-171 Oeiras	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: aamaral@visaconsultores.com	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: RDC	Page	: 1 of 5
Order number	: ----	Date Samples	: 06-Jun-2023
		Received	
		Quote number	: PR2023VISAC-PT0001 (PT-300-23-0144)
Site	: ----	Date of test	: 06-Jun-2023 - 19-Jun-2023
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 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.

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

Sub-Matrix: GROUNDWATER				Client sample ID		5 Fontes		SUBT-FURO		----	
				Laboratory sample ID		PR2360414001		PR2360414002		----	
				Client sampling date / time		02-Jun-2023 15:05		02-Jun-2023 14:50		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU		
Physical Parameters											
Electrical Conductivity @ 25°C	W-CON-PCT	0.10	mS/m	14.5	± 10.0%	23.5	± 10.0%	----	----		
pH Value	W-PH-PCT	1.00	-	5.73	± 1.0%	6.72	± 1.0%	----	----		
Nonmetallic Inorganic Parameters											
Carbonates (CO3 2-)	W-CO2F-CC2	0.0	mg/L	0.0	----	0.0	----	----	----		
Chloride	W-CL-IC	1.00	mg/L	29.4	± 15.0%	27.0	± 15.0%	----	----		
Nitrates	W-NO3-SPC	0.27	mg/L	12.8	----	24.9	----	----	----		
Sulphate as SO4 2-	W-SO4-IC	5.00	mg/L	<5.00	----	6.66	± 15.0%	----	----		
Total Cyanide	W-CNT-PHO	0.005	mg/L	<0.005	----	<0.005	----	----	----		
Base neutralizing capacity (acidity) pH 8.3	W-ACID-PCT	0.150	mmol/L	0.405	± 15.0%	0.272	± 15.0%	----	----		
Hydrogen carbonates (HCO3-)	W-CO2F-CC2	0.0	mg/L	5.66	± 12.0%	43.2	± 12.0%	----	----		
Nitrate as N	W-NO3-SPC	0.060	mg/L	2.90	----	5.63	----	----	----		
Total Carbon Dioxide as CO2	W-CO2F-CC2	0.0	mg/L	21.9	± 12.0%	43.2	± 12.0%	----	----		
Base neutralizing capacity (acidity) pH 4.5	W-ACID-PCT	0.150	mmol/L	<0.150	----	<0.150	----	----	----		
Free Carbon Dioxide as CO2	W-CO2F-CC2	0.0	mg/L	17.8	± 12.0%	12.0	± 12.0%	----	----		
Aggressive CO2	W-CO2F-CC2	0.0	mg/L	17.7	± 12.0%	11.5	± 12.0%	----	----		
Acid neutralizing capacity (alkalinity) pH 4.5	W-ALK-PCT	0.150	mmol/L	<0.150	----	0.709	± 12.0%	----	----		
Acid neutralizing capacity (alkalinity) pH 8.3	W-ALK-PCT	0.150	mmol/L	<0.150	----	<0.150	----	----	----		
Dissolved Metals / Major Cations											
Aluminium	W-METAXFL1	0.010	mg/L	<0.010	----	<0.010	----	----	----		
Arsenic	W-METMSFL1	1.0	µg/L	<1.0	----	1.1	± 10.0%	----	----		
Barium	W-METMSFL2	0.5	µg/L	27.2	± 10.0%	48.2	± 10.0%	----	----		
Cadmium	W-METMSFL1	0.50	µg/L	<0.50	----	<0.50	----	----	----		
Calcium	W-METAXFL1	0.0050	mg/L	1.78	± 10.0%	2.35	± 10.0%	----	----		
Chromium	W-METMSFL1	3.0	µg/L	<3.0	----	<3.0	----	----	----		
Cobalt	W-METMSFL2	0.50	µg/L	0.58	± 10.0%	0.51	± 10.0%	----	----		
Copper	W-METMSFL2	1.0	µg/L	<1.0	----	12.4	± 10.0%	----	----		
Iron	W-METAXFL1	0.0020	mg/L	<0.0020	----	<0.0020	----	----	----		
Lead	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----		
Magnesium	W-METAXFL1	0.0030	mg/L	3.23	± 10.0%	2.83	± 10.0%	----	----		
Manganese	W-METAXFL1	0.00050	mg/L	0.00203	± 10.0%	0.00883	± 10.0%	----	----		
Mercury	W-HG-AFSFL	0.0100	µg/L	<0.0100	----	0.0126	± 10.0%	----	----		
Molybdenum	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----		
Nickel	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----		
Potassium	W-METAXFL1	0.015	mg/L	1.62	± 10.0%	3.20	± 10.0%	----	----		
Sodium	W-METAXFL1	0.030	mg/L	18.5	± 10.0%	37.2	± 10.0%	----	----		
Tin	W-METMSFL2	5.0	µg/L	<5.0	----	<5.0	----	----	----		
Vanadium	W-METMSFL2	5.0	µg/L	<5.0	----	<5.0	----	----	----		
Zinc	W-METMSFL2	5.0	µg/L	<5.0	----	15.6	± 10.0%	----	----		
BTEX											
Benzene	W-VOCGMS03	0.20	µg/L	<0.20	----	<0.20	----	----	----		
Toluene	W-VOCGMS03	0.50	µg/L	<0.50	----	<0.50	----	----	----		
Ethylbenzene	W-VOCGMS03	0.10	µg/L	<0.10	----	<0.10	----	----	----		
meta- & para-Xylene	W-VOCGMS03	0.20	µg/L	<0.20	----	<0.20	----	----	----		
ortho-Xylene	W-VOCGMS03	0.10	µg/L	<0.10	----	<0.10	----	----	----		
Sum of xylenes	W-VOCGMS03	0.30	µg/L	<0.30	----	<0.30	----	----	----		
Sum of BTEX	W-VOCGMS03	1.10	µg/L	<1.10	----	<1.10	----	----	----		
Halogenated Volatile Organic Compounds											
Vinyl chloride	W-VOCGMS03	1.00	µg/L	<1.00	----	<1.00	----	----	----		
trans-1,2-Dichloroethene	W-VOCGMS03	0.10	µg/L	<0.10	----	<0.10	----	----	----		
Dichloromethane	W-VOCGMS03	6.0	µg/L	<6.0	----	<6.0	----	----	----		
cis-1,2-Dichloroethene	W-VOCGMS03	0.10	µg/L	<0.10	----	<0.10	----	----	----		
1,1-Dichloroethane	W-VOCGMS03	0.10	µg/L	<0.10	----	<0.10	----	----	----		



Sub-Matrix: GROUNDWATER

Client sample ID

Laboratory sample ID

Client sampling date / time

				5 Fontes		SUBT-FURO		----	
				PR2360414001		PR2360414002		----	
				02-Jun-2023 15:05		02-Jun-2023 14:50		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Halogenated Volatile Organic Compounds - Continued									
Chloroform	W-VOCGMS03	0.30	µg/L	<0.30	---	<0.30	---	----	----
1.2-Dichloroethane	W-VOCGMS03	1.0	µg/L	<1.0	---	<1.0	---	----	----
1.1.1-Trichloroethane	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
Tetrachloromethane	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
Trichloroethene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.2-Dichloropropane	W-VOCGMS03	1.0	µg/L	<1.0	---	<1.0	---	----	----
1.1.2-Trichloroethane	W-VOCGMS03	0.20	µg/L	<0.20	---	<0.20	---	----	----
Tetrachloroethene	W-VOCGMS03	0.20	µg/L	<0.20	---	<0.20	---	----	----
Chlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.2-Dichlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.4-Dichlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.3-Dichlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.2.4-Trichlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.2.3-Trichlorobenzene	W-VOCGMS03	0.10	µg/L	<0.10	---	<0.10	---	----	----
1.3.5-Trichlorobenzene	W-VOCGMS03	0.20	µg/L	<0.20	---	<0.20	---	----	----
Sum of 3 Dichlorobenzenes	W-VOCGMS03	0.30	µg/L	<0.30	---	<0.30	---	----	----
Sum of 3 Trichlorobenzenes	W-VOCGMS03	0.40	µg/L	<0.40	---	<0.40	---	----	----
Non-Halogenated Volatile Organic Compounds									
Styrene	W-VOCGMS03	0.20	µg/L	<0.20	---	<0.20	---	----	----
Methyl tert-Butyl Ether (MTBE)	W-VOCGMS03	0.20	µg/L	<0.20	---	<0.20	---	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Naphthalene	W-PAHGMS05	0.100	µg/L	<0.100	---	<0.100	---	----	----
Acenaphthylene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Acenaphthene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Fluorene	W-PAHGMS05	0.020	µg/L	<0.020	---	<0.020	---	----	----
Phenanthrene	W-PAHGMS05	0.030	µg/L	<0.030	---	<0.030	---	----	----
Anthracene	W-PAHGMS05	0.020	µg/L	<0.020	---	<0.020	---	----	----
Fluoranthene	W-PAHGMS05	0.030	µg/L	<0.030	---	<0.030	---	----	----
Pyrene	W-PAHGMS05	0.060	µg/L	<0.060	---	<0.060	---	----	----
Benz(a)anthracene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Chrysene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(b)fluoranthene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(k)fluoranthene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(a)pyrene	W-PAHGMS05	0.0200	µg/L	<0.0200	---	<0.0200	---	----	----
Indeno(1,2,3-cd)pyrene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(g,h,i)perylene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Dibenz(a,h)anthracene	W-PAHGMS05	0.010	µg/L	<0.010	---	<0.010	---	----	----
Sum of 16 PAH	W-PAHGMS05	0.370	µg/L	<0.370	---	<0.370	---	----	----
PCBs									
Sum of 7 PCBs	W-PCBGMS05	0.00730	µg/L	<0.00730	---	<0.00730	---	----	----
PCB 52	W-PCBGMS05	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 28	W-PCBGMS05	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 180	W-PCBGMS05	0.000950	µg/L	<0.000950	---	<0.000950	---	----	----
PCB 153	W-PCBGMS05	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 138	W-PCBGMS05	0.00120	µg/L	<0.00120	---	<0.00120	---	----	----
PCB 118	W-PCBGMS05	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 101	W-PCBGMS05	0.000750	µg/L	<0.000750	---	<0.000750	---	----	----
Organochlorine Pesticides									
Hexachloroethane	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	---	----	----
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	---	----	----



Sub-Matrix: GROUNDWATER				Client sample ID		5 Fontes		SUBT-FURO		----	
				Laboratory sample ID		PR2360414001		PR2360414002		----	
				Client sampling date / time		02-Jun-2023 15:05		02-Jun-2023 14:50		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU	Result	MU
Organochlorine Pesticides - Continued											
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	---	----	----	----	----
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	---	----	----	----	----
Sum of 3 tetrachlorobenzenes	W-OCPECD01	0.030	µg/L	<0.030	---	<0.030	---	----	----	----	----
Chlorophenols											
2-Chlorophenol	W-CLPGMS01	0.100	µg/L	<0.100	---	<0.100	---	----	----	----	----
3-Chlorophenol	W-CLPGMS01	0.100	µg/L	<0.100	---	<0.100	---	----	----	----	----
4-Chlorophenol	W-CLPGMS01	0.100	µg/L	<0.100	---	<0.100	---	----	----	----	----
2,6-Dichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,4@2,5-Dichlorophenol	W-CLPGMS01	0.20	µg/L	<0.20	---	<0.20	---	----	----	----	----
3,5-Dichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3-Dichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
3,4-Dichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,4,6-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,6-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,5-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,4,5-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,4-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
3,4,5-Trichlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,5,6-Tetrachlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,4,5-Tetrachlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
2,3,4,6-Tetrachlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
Pentachlorophenol	W-CLPGMS01	0.10	µg/L	<0.10	---	<0.10	---	----	----	----	----
Petroleum Hydrocarbons											
Aliphates C5-C8	W-VOCGMS03	10	µg/L	<10	---	<10	---	----	----	----	----
Aliphates C8-C10	W-VOCGMS03	10	µg/L	<10	---	<10	---	----	----	----	----
C10 - C12 Fraction	W-TPHFID01	5.0	µg/L	<5.0	---	<5.0	---	----	----	----	----
C12 - C16 Fraction	W-TPHFID01	5.0	µg/L	<5.0	---	<5.0	---	----	----	----	----
C16 - C35 Fraction	W-TPHFID01	30.0	µg/L	<30.0	---	<30.0	---	----	----	----	----
C35 - C40 Fraction	W-TPHFID01	10.0	µg/L	<10.0	---	<10.0	---	----	----	----	----
C10 - C40 Fraction	W-TPHFID01	50.0	µg/L	<50.0	---	<50.0	---	----	----	----	----

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-ACID-PCT	CZ_SOP_D06_02_073 (CSN 75 73 72) Determination of base neutralizing capacity (acidity) by potentiometric titration.



Analytical Methods	Method Descriptions
W-ALK-PCT	CZ_SOP_D06_02_072 (CSN EN ISO 9963-1, CSN EN ISO 9963-2, CSN 75 7373, SM2320) Determination of acid neutralizing capacity (alkalinity) by potentiometric titration and calculation of the carbonate hardness and CO ₂ forms from measured values including the calculation of total mineralization
W-CL-IC	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-CLPGMS01	CZ_SOP_D06_03_158 (US EPA Method 8041; US EPA Method 3500, ČSN EN 12673) Determination of phenol, chlorinated phenols by gas chromatography method with detection MS and calculation of phenol and chlorinated phenols sums from measured values.
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-CO2F-CC2	CZ_SOP_D06_02_072 (CSN EN ISO 9963-1, CSN 75 7373) Determination of acid neutralizing capacity (alkalinity) by potentiometric titration and calculation of the carbonate hardness and CO ₂ forms from measured values including the calculation of total mineralization
W-CON-PCT	CZ_SOP_D06_02_075 (ČSN EN 27 888, SM 2520 B) Determination of electrical conductivity by conductometer and calculation of salinity.
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-METAXFL1	CZ_SOP_D06_02_001 (US EPA Method 200.7, CSN EN ISO 11885, US EPA Method 6010, SM 3120, CSN 75 7358) - Determination of elements by atomic emission 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-METMSFL1	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-METMSFL2	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-NO3-SPC	CZ_SOP_D06_02_019 (CSN EN ISO 11732, CSN EN ISO 13395, SM 4500-NO ₂ -, SM 4500-NO ₃ -) Determination of nitrite sum and sum of nitrite and nitrate nitrogen by discrete spectrophotometry and calculation of nitrites and nitrates from measured values
W-OCPECD01	CZ_SOP_D06_03_169 (ČSN EN ISO 6468; US EPA Method 8081; DIN 38407-3) Determination of organochlorine pesticides and other halogen compounds by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values
W-PAHGMS05	CZ_SOP_D06_03_161 (US EPA Method 8270D; US EPA Method 8082A; ČSN EN ISO 6468; US EPA Method 8000D) 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
W-PCBGMS05	CZ_SOP_D06_03_161 (US EPA Method 8270D; US EPA Method 8082A; ČSN EN ISO 6468; US EPA Method 8000D) 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
W-PH-PCT	CZ_SOP_D06_02_105 (CSN ISO 10523, US EPA Method 150.1, SM 4500-H+ B) Determination of pH by potentiometry
W-SO4-IC	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-TPHFID01	CZ_SOP_D06_03_151 (ČSN EN ISO 9377-2; US EPA Method 8015; US EPA Method 3510) Determination of extractable substances in the range of hydrocarbons C ₁₀ – C ₄₀ , their fractions by calculation from measured values using the gas chromatography method with FID detection
W-VOCGMS03	CZ_SOP_D06_03_155 (US EPA Method 624, US EPA Method 5021A, US EPA Method 8260, US EPA Method 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

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.