



CERTIFICATE OF ANALYSIS

Work Order	: PR1926482	Issue Date	: 31-Mar-2019
Customer	: VISA - Consultores de Geologia Aplicada e Engenharia	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: M. Bastos	Contact	: Client Service
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Telephone	: ----	Telephone	: +420 226 226 228
Project	: ALV	Page	: 1 of 5
Order number	:	Date Samples Received	: 22-Mar-2019
		Quote number	: PR2015VISAC-PT0242 (PT-300-15-0407)
Site	: ----	Date of test	: 22-Mar-2019 - 31-Mar-2019
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.

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 17025:2005

Signatories

Zdeněk Jiráček

Position

Environmental Business Unit
Manager





Analytical Results

Sub-Matrix: GROUNDWATER

Client sample ID
Laboratory sample ID
Client sampling date / time

				AC3		AC5		----	
				PR1926482-001		PR1926482-002		----	
				20-Mar-2019 13:35		20-Mar-2019 14:35		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Electrical Conductivity @ 25°C	W-CON-PCT	0.10	mS/m	144	± 10.0%	188	± 10.0%	----	----
pH Value	W-PH-PCT	1.00	-	7.83	± 1.0%	7.62	± 1.0%	----	----
Nonmetallic Inorganic Parameters									
Carbonates (CO ₃ 2-)	W-CO2F-CC2	0.00	mg/L	0.00	----	0.00	----	----	----
Chloride	W-CL-IC	1.00	mg/L	232	± 15.0%	330	± 15.0%	----	----
Nitrates	W-NO3-SPC	0.27	mg/L	11.4	----	0.93	----	----	----
Sulphate as SO ₄ 2-	W-SO4-IC	5.00	mg/L	87.6	± 15.0%	75.4	± 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	0.222	± 15.0%	0.448	± 15.0%	----	----
Hydrogen carbonates (HCO ₃ -)	W-CO2F-CC2	0.00	mg/L	340	± 12.0%	441	± 12.0%	----	----
Nitrate as N	W-NO3-SPC	0.060	mg/L	2.56	----	0.210	----	----	----
Total Carbon Dioxide as CO ₂	W-CO2F-CC2	0.00	mg/L	255	± 12.0%	338	± 12.0%	----	----
Base neutralizing capacity (acidity) pH 4.5	W-ACID-PCT	0.150	mmol/L	<0.150	----	<0.150	----	----	----
Free Carbon Dioxide as CO ₂	W-CO2F-CC2	0.00	mg/L	9.77	± 12.0%	19.7	± 12.0%	----	----
Aggressive CO ₂	W-CO2F-CC2	0.00	mg/L	0.00	----	0.00	----	----	----
Acid neutralizing capacity (alkalinity) pH 4.5	W-ALK-PCT	0.150	mmol/L	5.57	± 12.0%	7.23	± 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	0.012	± 10.0%	0.013	± 10.0%	----	----
Arsenic	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----
Barium	W-METMSFL2	0.5	µg/L	48.5	± 10.0%	64.4	± 10.0%	----	----
Cadmium	W-METMSFL1	0.50	µg/L	<0.50	----	<0.50	----	----	----
Calcium	W-METAXFL1	0.0050	mg/L	113	± 10.0%	153	± 10.0%	----	----
Chromium	W-METMSFL1	3.0	µg/L	<3.0	----	<3.0	----	----	----
Cobalt	W-METMSFL2	0.50	µg/L	<0.50	----	<0.50	----	----	----
Copper	W-METMSFL2	1.0	µg/L	1.4	± 10.0%	6.8	± 10.0%	----	----
Iron	W-METAXFL1	0.0020	mg/L	0.0184	± 10.0%	<0.0020	----	----	----
Lead	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----
Magnesium	W-METAXFL1	0.0030	mg/L	40.5	± 10.0%	53.8	± 10.0%	----	----
Manganese	W-METAXFL1	0.00050	mg/L	0.00080	± 10.0%	0.00080	± 10.0%	----	----
Mercury	W-HG-AFSFL	0.010	µg/L	<0.010	----	<0.010	----	----	----
Molybdenum	W-METMSFL1	1.0	µg/L	1.0	± 10.0%	<1.0	----	----	----
Nickel	W-METMSFL1	1.0	µg/L	<1.0	----	<1.0	----	----	----
Potassium	W-METAXFL1	0.015	mg/L	2.56	± 10.0%	5.71	± 10.0%	----	----
Sodium	W-METAXFL1	0.030	mg/L	109	± 10.0%	125	± 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	----	19.3	± 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

				AC3		AC5		----	
				PR1926482-001		PR1926482-002		----	
				20-Mar-2019 13:35		20-Mar-2019 14:35		----	
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-PAHGMS01	0.100	µg/L	<0.100	---	<0.100	---	----	----
Acenaphthylene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Acenaphthene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Fluorene	W-PAHGMS01	0.020	µg/L	<0.020	---	<0.020	---	----	----
Phenanthrene	W-PAHGMS01	0.030	µg/L	<0.030	---	<0.030	---	----	----
Anthracene	W-PAHGMS01	0.020	µg/L	<0.020	---	<0.020	---	----	----
Fluoranthene	W-PAHGMS01	0.030	µg/L	<0.030	---	<0.030	---	----	----
Pyrene	W-PAHGMS01	0.060	µg/L	<0.060	---	<0.060	---	----	----
Benz(a)anthracene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Chrysene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(b)fluoranthene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(k)fluoranthene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(a)pyrene	W-PAHGMS01	0.020	µg/L	<0.020	---	<0.020	---	----	----
Indeno(1.2.3.cd)pyrene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Benzo(g,h,i)perylene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Dibenz(a,h)anthracene	W-PAHGMS01	0.010	µg/L	<0.010	---	<0.010	---	----	----
Sum of 16 PAH	W-PAHGMS01	0.370	µg/L	<0.370	---	<0.370	---	----	----
PCBs									
PCB 28	W-PCBECD01	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 52	W-PCBECD01	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 101	W-PCBECD01	0.000750	µg/L	<0.000750	---	<0.000750	---	----	----
PCB 118	W-PCBECD01	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 138	W-PCBECD01	0.00120	µg/L	<0.00120	---	<0.00120	---	----	----
PCB 153	W-PCBECD01	0.00110	µg/L	<0.00110	---	<0.00110	---	----	----
PCB 180	W-PCBECD01	0.000950	µg/L	<0.000950	---	<0.000950	---	----	----
Sum of 7 PCBs	W-PCBECD01	0.00730	µg/L	<0.00730	---	<0.00730	---	----	----
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		AC3		AC5		----	
				Laboratory sample ID		PR1926482-001		PR1926482-002		----	
				Client sampling date / time		20-Mar-2019 13:35		20-Mar-2019 14:35		----	
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	---	----	---	----	---

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, delivery date in brackets without a time component will be displayed instead. 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 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.
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 determination of the carbonate hardness and determination of CO 2 forms by calculation from measured values including the calculation of total mineralization.



Analytical Methods	Method Descriptions
W-CL-IC	CZ_SOP_D06_02_068 (CSN EN ISO 10304-1, CSN EN 16192) Determination of dissolved fluoride, chloride, nitrite, bromide, nitrate and sulphate by ion liquid chromatography and determination of nitrite nitrogen and nitrate nitrogen and sulfate sulfur by calculation from measured values including the calculation of total mineralization.
W-CLPGMS01	CZ_SOP_D06_03_158 except chap. 9.3 a 9.4 (US EPA 8041, US EPA 3500, CSN EN 12673) Determination of phenols, chlorinated phenols and cresols by gas chromatography method with detection MS and ECD and calculation of phenols, chlorinated phenols and cresols sums from measured values
W-CNT-PHO	CZ_SOP_D06_02_089.A (CSN 75 7415, CSN EN ISO 14403-2) / CZ_SOP_D06_07_010 (CSN 75 7415) Determination of total cyanide by spectrophotometry and determination of complex-forming cyanides by calculation 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 determination of the carbonate hardness and determination of CO ₂ forms by calculation from measured values including the calculation of total mineralization.
W-CON-PCT	CZ_SOP_D06_02_075 (ČSN EN 27 888, SM 2520 B, ČSN EN 16192) Determination of electrical conductivity by conductometer and calculation of salinity.
W-HG-AFSFL	CZ_SOP_D06_02_096 (US EPA 245.7, CSN EN ISO 17852, CSN EN 16192, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2.) - 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 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - 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 200.8, CSN EN ISO 17294-2, US EPA 6020A, CSN EN 16192, 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 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 200.8, CSN EN ISO 17294-2, US EPA 6020A, CSN EN 16192, 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 filtered by microfilter with porosity 0.45 µm followed by nitric acid addition prior to analysis.
W-NO3-SPC	CZ_SOP_D06_02_019 (ČSN EN ISO 11732, ČSN EN ISO 13395, ČSN EN 16192, SM 4500-NO ₂ -, SM 4500-NO ₃ -) Determination of sum of ammonium and ammonium ions, nitrite and the sum of nitrite and nitrate ions by discrete spectrophotometry and determination of nitrite, nitrate, ammonia, inorganic, organic, total nitrogen, free ammonia and dissociated ammonium ions by calculation from measured values including the calculation of total mineralization.
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.
W-PAHGMS01	CZ_SOP_D06_03_161 (US EPA 8270, CSN EN ISO 6468, US EPA 8000D, samples preparation according to 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
W-PCBECD01	CZ_SOP_D06_03_166 (DIN 38407-3, US EPA 8082, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.1, CZ_SOP_D06_03_P02 chap. 9.1) Determination of polychlorinated biphenyls 39) - congener analyses by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values.
W-PH-PCT	CZ_SOP_D06_02_105 (ČSN ISO 10523, US EPA 150.1, ČSN EN 16192, SM 4500-H+ B) Determination of pH by potentiometry
W-SO4-IC	CZ_SOP_D06_02_068 (CSN EN ISO 10304-1, CSN EN 16192) Determination of dissolved fluoride, chloride, nitrite, bromide, nitrate and sulphate by ion liquid chromatography and determination of nitrite nitrogen and nitrate nitrogen and sulfate sulfur by calculation from measured values including the calculation of total mineralization.
W-TPHFID01	CZ_SOP_D06_03_151 (CSN EN ISO 9377-2, US EPA 8015, US EPA 3510, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C10- C40, their fractions calculated from the measured values by gas chromatography method with FID detection
W-VOCGMS03	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.