CERTIFICATE OF ANALYSIS

Work Order	: **PR2293273**	Issue Date	: 03-Oct-2022
Customer	: **VISA - Consultores de Geologia Aplicada e Engenharia**	Laboratory	: ALS Czech Republic, s.r.o.
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Project	: 3260	Page	: 1 of 13
Order number	: Lousas	Date Samples Received	: 16-Sep-2022
		Quote number	: PR2022VISAC-PT0001 (PT-300-22-0149)
Site	: ----	Date of test	: 16-Sep-2022 - 03-Oct-2022
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.

Sample(s) PR2293273/001, 004, 006, 008, method S-CLPGMS01 - LOR for particular sample(s) raised due to matrix interference.

Sample for the method S-TOC1-IR is dried at 105 °C and pulverized prior to analysis.

Responsible for accuracy

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

Signatories	*Position*
Lubomír Pokorný	Country Manager

TESTOVACÍ LABORATOŘ AKREDITOVANÝ CAI
TEST LABORATORY ACCREDITED BY CAI
ALS Czech Republic, s.r.o. 1 L1163

ilac-MRA

L 1163

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: **SOIL**			*Client sample ID*	**Solo_01**		**Solo_02**		**Solo_03**	
			Laboratory sample ID	*PR2293273001*		*PR2293273002*		*PR2293273003*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Electrical Conductivity @ 25°C	S-CON-ELE02	1.0	mS/m	**2.1**	± 37.8%	**1.9**	± 40.6%	**1.7**	± 44.1%
pH (H2O)	S-PHH2O-ELE	1.0	-	**5.5**	± 2.7%	**5.7**	± 2.6%	**5.1**	± 2.9%
Sand (20-2000 µm)	S-TEXT3FPT	0.10	%	**85.7**	± 10.0%	**86.6**	± 10.0%	**90.8**	± 10.0%
Silt (2-20 µm)	S-TEXT3FPT	0.10	%	**14.0**	± 10.0%	**13.2**	± 10.0%	**9.05**	± 10.0%
Clay (<2 µm)	S-TEXT3FPT	0.10	%	**0.27**	± 10.0%	**0.25**	± 10.0%	**0.12**	± 10.0%
Organic Dry Mass	S-LI550GR	0.10	% DW	**11.4**	± 5.0%	**15.9**	± 5.0%	**9.60**	± 5.0%
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**92.3**	± 6.0%	**82.0**	± 6.0%	**91.8**	± 6.0%
Agregate Parameters									
Phenol Index	S-PHI-PHO	0.20	mg/kg DW	**0.48**	± 44.8%	**0.35**	± 51.4%	**0.37**	± 50.2%
Nonmetallic Inorganic Parameters									
Total Nitrogen as N	S-NTOT-PHO	50	mg/kg DW	**3370**	± 20.0%	**3180**	± 20.0%	**2040**	± 20.1%
Total Organic Carbon	S-TOC1-IR	0.10	% DW	**4.59**	± 15.0%	**6.85**	± 15.0%	**4.46**	± 15.0%
Total Metals / Major Cations									
Calcium as CaO	S-METAXHB-CC	70	mg/kg DW	**261**	± 20.0%	**965**	± 20.0%	<70	----
Magnesium as MgO	S-METAXHB-CC	8.0	mg/kg DW	**5130**	± 20.0%	**3150**	± 20.0%	**3650**	± 20.0%
Potassium as K2O	S-METAXHB-CC	6.0	mg/kg DW	**3890**	± 20.0%	**2800**	± 20.0%	**3110**	± 20.0%
Iron as FeO	S-METAXHB-CC	13	mg/kg DW	**45500**	± 20.0%	**39600**	± 20.0%	**47200**	± 20.0%
Iron as Fe2O3	S-METAXHB-CC	14	mg/kg DW	**50500**	± 20.0%	**43900**	± 20.0%	**52500**	± 20.0%
Phosphorus as P2O5	S-METAXHB-CC	11.0	mg/kg DW	**737**	± 20.0%	**1010**	± 20.0%	**636**	± 20.0%
Aluminium as Al2O3	S-METAXHB-CC	2	mg/kg DW	**56800**	± 20.0%	**58800**	± 20.0%	**34500**	± 20.0%
Sodium as Na2O	S-METAXHB-CC	20	mg/kg DW	**72**	± 20.0%	**61**	± 20.0%	**80**	± 20.0%
Silicon as SiO2	S-METAXHB-CC	107	mg/kg DW	**575**	± 20.0%	**760**	± 20.0%	**649**	± 20.0%
Manganese as MnO2	S-METAXHB-CC	1.0	mg/kg DW	**237**	± 20.0%	**307**	± 20.0%	**181**	± 20.0%
Titanium as TiO2	S-METAXHB-CC	0.33	mg/kg DW	**1460**	± 20.0%	**1030**	± 20.0%	**1450**	± 20.0%
Sulfur as SO3	S-METAXHB-CC	75	mg/kg DW	**1040**	± 20.0%	**1140**	± 20.0%	**493**	± 20.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**30100**	± 20.0%	**31200**	± 20.0%	**18300**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**27.4**	± 20.0%	**38.0**	± 20.0%	**42.9**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**42.7**	± 20.0%	**66.7**	± 20.0%	**37.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**1.19**	± 20.0%	**3.59**	± 20.0%	**0.871**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.5**	± 20.0%	**1.6**	± 20.0%	<1.0	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**186**	± 20.0%	**690**	± 20.0%	<50	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**25.6**	± 20.0%	**24.2**	± 20.0%	**19.1**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**4.52**	± 20.0%	**10.6**	± 20.0%	**3.32**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**12.0**	± 20.0%	**11.2**	± 20.0%	**15.5**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**35300**	± 20.0%	**30700**	± 20.0%	**36700**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**25.6**	± 20.0%	**23.9**	± 20.0%	**38.3**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**168**	± 20.0%	**179**	± 20.0%	**104**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**3090**	± 20.0%	**1900**	± 20.0%	**2200**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**150**	± 20.0%	**194**	± 20.0%	**114**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**14.3**	± 20.0%	**20.1**	± 20.0%	**10.6**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**322**	± 20.0%	**443**	± 20.0%	**278**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**3230**	± 20.0%	**2330**	± 20.0%	**2580**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**269**	± 20.0%	**355**	± 20.0%	**303**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	**0.65**	± 20.0%	<0.50	----	**3.35**	± 20.0%
Sodium	S-METAXHB2	15	mg/kg DW	**53**	± 20.0%	**45**	± 20.0%	**59**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**8.00**	± 20.0%	**13.6**	± 20.0%	**5.85**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**416**	± 20.0%	**455**	± 20.0%	**198**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_01**		**Solo_02**		**Solo_03**	
			Laboratory sample ID	*PR2293273001*		*PR2293273002*		*PR2293273003*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Tin	S-METAXHB1	1.0	mg/kg DW	**3.1**	± 20.0%	**2.7**	± 20.0%	**2.9**	± 20.0%
Titanium	S-METAXHB2	0.20	mg/kg DW	**876**	± 20.0%	**617**	± 20.0%	**867**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**25.3**	± 20.0%	**23.2**	± 20.0%	**21.6**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**37.9**	± 20.0%	**41.4**	± 20.0%	**29.8**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	**6.8**	± 20.0%	<5.0	----	**6.8**	± 20.0%
BTEX									
Benzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Toluene	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Ethylbenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
meta- & para-Xylene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
ortho-Xylene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Sum of xylenes	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
Sum of BTEX	S-VOCGMS02	0.170	mg/kg DW	<0.170	----	<0.170	----	<0.170	----
Halogenated Volatile Organic Compounds									
Vinyl chloride	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Dichloromethane	S-VOCGMS02	0.80	mg/kg DW	<0.80	----	<0.80	----	<0.80	----
cis-1.2-Dichloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.1-Dichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Chloroform	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
1.2-Dichloroethane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.1-Trichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Tetrachloromethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Trichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2-Dichloropropane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	<0.040	----
Tetrachloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Chlorobenzene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.4-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.3-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.2.4-Trichlorobenzene	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
1.2.3-Trichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.3.5-Trichlorobenzene	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Sum of 3 Dichlorobenzenes	S-VOCGMS02	0.060	mg/kg DW	<0.060	----	<0.060	----	<0.060	----
Sum of 3 Trichlorobenzenes	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	<0.040	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	<0.160	----	**----**	----	**----**	----
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	**----**	----	**----**	----	<0.160	----
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	**----**	----	<0.160	----	**----**	----
Pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Pyrene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Phenanthrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Phenanthrene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Naphthalene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Naphthalene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Indeno(1.2.3.cd)pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Indeno(1.2.3.cd)pyrene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Fluorene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Fluorene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Fluoranthene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Dibenz(a.h)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----
Dibenz(a.h)anthracene	S-PAHGMS05	0.010	mg/kg DW	**----**	----	<0.010	----	**----**	----
Chrysene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	**----**	----	<0.010	----

Sub-Matrix: **SOIL**

			Client sample ID	Solo_01		Solo_02		Solo_03	
			Laboratory sample ID	PR2293273001		PR2293273002		PR2293273003	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued									
Chrysene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Benzo(k)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Benzo(k)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Benzo(g.h.i)perylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Benzo(g.h.i)perylene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Benzo(b)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Benzo(b)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Benzo(a)pyrene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	----	----	<0.0100	----
Benzo(a)pyrene	S-PAHGMS05	0.0100	mg/kg DW	----	----	<0.0100	----	----	----
Benz(a)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Benz(a)anthracene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	----	----	<0.0100	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	----	----	<0.0100	----	----	----
Acenaphthylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Acenaphthylene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
Acenaphthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	----	----	<0.010	----
Acenaphthene	S-PAHGMS05	0.010	mg/kg DW	----	----	<0.010	----	----	----
PCBs									
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	<0.0210	----	----	----	----	----
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	----	----	----	----	<0.0210	----
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	----	----	<0.0210	----	----	----
PCB 52	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 52	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 28	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 28	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 180	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 180	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 153	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 153	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 138	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 138	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 118	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 118	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
PCB 101	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	----	----	----	----
PCB 101	S-PCBGMS05	0.0030	mg/kg DW	----	----	<0.0030	----	<0.0030	----
Organochlorine Pesticides									
Hexachloroethane	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2.3.5- & 1.2.4.5-Tetrachlorobenzene	S-OCPECD01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.2.3.4-Tetrachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Pentachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Alpha	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorobenzene (HCB)	S-OCPECD01	0.0050	mg/kg DW	<0.0050	----	<0.0050	----	<0.0050	----
Hexachlorocyclohexane Beta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Gamma	S-OCPECD01	0.0100	mg/kg DW	<0.0100	----	<0.0100	----	<0.0100	----
Hexachlorocyclohexane Delta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachlor	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Aldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Telodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Isodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-cis	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-trans	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
alpha-Endosulfan	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4.4`-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Dieldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Endrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_01**		**Solo_02**		**Solo_03**	
			Laboratory sample ID	*PR2293273001*		*PR2293273002*		*PR2293273003*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Organochlorine Pesticides - Continued									
4.4`-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4.4`-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Sum of 3 tetrachlorobenzenes	S-OCPECD01	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.6-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
3.5-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3.4-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.5.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4.5-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Pentachlorophenol	S-CLPGMS01	0.0050	mg/kg DW	<0.0400	----	<0.0050	----	<0.0050	----
Petroleum Hydrocarbons									
Aliphates C5-C8	S-VOCGMS02	10	mg/kg DW	<10	----	<10	----	<10	----
Aliphates C8-C10	S-VOCGMS02	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C12 Fraction	S-TPHFID01	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
C12 - C16 Fraction	S-TPHFID01	3.0	mg/kg DW	<3.0	----	<3.0	----	<3.0	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW	<10	----	**----**	----	<10	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW	**----**	----	<10	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_04**		**Solo_05**		**Solo_06**	
			Laboratory sample ID	*PR2293273004*		*PR2293273005*		*PR2293273006*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Electrical Conductivity @ 25°C	S-CON-ELE02	1.0	mS/m	**3.8**	± 26.7%	**1.5**	± 47.7%	**1.9**	± 39.8%
pH (H2O)	S-PHH2O-ELE	1.0	-	**5.3**	± 2.8%	**5.1**	± 3.0%	**5.5**	± 2.7%
Sand (20-2000 µm)	S-TEXT3FPT	0.10	%	**87.2**	± 10.0%	**85.9**	± 10.0%	**83.6**	± 10.0%
Silt (2-20 µm)	S-TEXT3FPT	0.10	%	**12.6**	± 10.0%	**13.9**	± 10.0%	**16.1**	± 10.0%
Clay (<2 µm)	S-TEXT3FPT	0.10	%	**0.24**	± 10.0%	**0.18**	± 10.0%	**0.27**	± 10.0%
Organic Dry Mass	S-LI550GR	0.10	% DW	**8.25**	± 5.1%	**9.87**	± 5.0%	**8.56**	± 5.1%
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**85.6**	± 6.0%	**90.1**	± 6.0%	**91.0**	± 6.0%
Agregate Parameters									
Phenol Index	S-PHI-PHO	0.20	mg/kg DW	**3.31**	± 35.2%	**2.10**	± 35.6%	**0.33**	± 53.5%
Nonmetallic Inorganic Parameters									
Total Nitrogen as N	S-NTOT-PHO	50	mg/kg DW	**1320**	± 20.2%	**3510**	± 20.0%	**2820**	± 20.0%
Total Organic Carbon	S-TOC1-IR	0.10	% DW	**2.73**	± 15.0%	**4.20**	± 15.0%	**3.58**	± 15.0%
Total Metals / Major Cations									
Calcium as CaO	S-METAXHB-CC	70	mg/kg DW	**81**	± 20.0%	**193**	± 20.0%	**152**	± 20.0%
Magnesium as MgO	S-METAXHB-CC	8.0	mg/kg DW	**2840**	± 20.0%	**2640**	± 20.0%	**3040**	± 20.0%
Potassium as K2O	S-METAXHB-CC	6.0	mg/kg DW	**2820**	± 20.0%	**2290**	± 20.0%	**2030**	± 20.0%
Iron as FeO	S-METAXHB-CC	13	mg/kg DW	**47000**	± 20.0%	**35900**	± 20.0%	**38400**	± 20.0%
Iron as Fe2O3	S-METAXHB-CC	14	mg/kg DW	**52300**	± 20.0%	**39900**	± 20.0%	**42600**	± 20.0%
Phosphorus as P2O5	S-METAXHB-CC	11.0	mg/kg DW	**662**	± 20.0%	**874**	± 20.0%	**630**	± 20.0%
Aluminium as Al2O3	S-METAXHB-CC	2	mg/kg DW	**58400**	± 20.0%	**32900**	± 20.0%	**43900**	± 20.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_04**		**Solo_05**		**Solo_06**	
			Laboratory sample ID	*PR2293273004*		*PR2293273005*		*PR2293273006*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations - Continued									
Sodium as Na2O	S-METAXHB-CC	20	mg/kg DW	**23**	± 20.0%	**39**	± 20.0%	**75**	± 20.0%
Silicon as SiO2	S-METAXHB-CC	107	mg/kg DW	**755**	± 20.0%	**729**	± 20.0%	**702**	± 20.0%
Manganese as MnO2	S-METAXHB-CC	1.0	mg/kg DW	**287**	± 20.0%	**189**	± 20.0%	**196**	± 20.0%
Titanium as TiO2	S-METAXHB-CC	0.33	mg/kg DW	**1940**	± 20.0%	**1470**	± 20.0%	**1220**	± 20.0%
Sulfur as SO3	S-METAXHB-CC	75	mg/kg DW	**526**	± 20.0%	**909**	± 20.0%	**538**	± 20.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**30900**	± 20.0%	**17400**	± 20.0%	**23300**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**17.7**	± 20.0%	**18.1**	± 20.0%	**18.7**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**24.2**	± 20.0%	**32.6**	± 20.0%	**25.6**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.871**	± 20.0%	**0.385**	± 20.0%	**0.717**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**58**	± 20.0%	**138**	± 20.0%	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**----**	----	**109**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**36.0**	± 20.0%	**18.3**	± 20.0%	**19.6**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**11.0**	± 20.0%	**6.82**	± 20.0%	**3.72**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**16.6**	± 20.0%	**17.7**	± 20.0%	**9.8**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**36600**	± 20.0%	**27900**	± 20.0%	**29800**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**22.2**	± 20.0%	**19.0**	± 20.0%	**18.0**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**70.6**	± 20.0%	**39.0**	± 20.0%	**93.8**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1710**	± 20.0%	**1590**	± 20.0%	**1830**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**181**	± 20.0%	**120**	± 20.0%	**124**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**17.6**	± 20.0%	**17.6**	± 20.0%	**11.5**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**289**	± 20.0%	**381**	± 20.0%	**275**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**2340**	± 20.0%	**1900**	± 20.0%	**1680**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**353**	± 20.0%	**341**	± 20.0%	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**----**	----	**328**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**17**	± 20.0%	**29**	± 20.0%	**56**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**2.40**	± 20.0%	**13.7**	± 20.0%	**5.00**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**211**	± 20.0%	**364**	± 20.0%	**216**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	**1.3**	± 20.0%	**1.4**	± 20.0%	**2.1**	± 20.0%
Titanium	S-METAXHB2	0.20	mg/kg DW	**1160**	± 20.0%	**883**	± 20.0%	**732**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**34.7**	± 20.0%	**19.3**	± 20.0%	**20.6**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**56.5**	± 20.0%	**28.2**	± 20.0%	**32.0**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	**12.8**	± 20.0%	**5.4**	± 20.0%	**6.1**	± 20.0%
BTEX									
Benzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Toluene	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Ethylbenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
meta- & para-Xylene	S-VOCGMS02	0.020	mg/kg DW	**0.020**	± 40.0%	<0.020	----	<0.020	----
ortho-Xylene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Sum of xylenes	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
Sum of BTEX	S-VOCGMS02	0.170	mg/kg DW	<0.170	----	<0.170	----	<0.170	----
Halogenated Volatile Organic Compounds									
Vinyl chloride	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Dichloromethane	S-VOCGMS02	0.80	mg/kg DW	<0.80	----	<0.80	----	<0.80	----
cis-1.2-Dichloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.1-Dichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Chloroform	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_04**		**Solo_05**		**Solo_06**	
			Laboratory sample ID	*PR2293273004*		*PR2293273005*		*PR2293273006*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
1.2-Dichloroethane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.1-Trichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Tetrachloromethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Trichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2-Dichloropropane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	<0.040	----
Tetrachloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Chlorobenzene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.4-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.3-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.2.4-Trichlorobenzene	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
1.2.3-Trichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.3.5-Trichlorobenzene	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Sum of 3 Dichlorobenzenes	S-VOCGMS02	0.060	mg/kg DW	<0.060	----	<0.060	----	<0.060	----
Sum of 3 Trichlorobenzenes	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	<0.040	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	**----**	----	**----**	----	<0.160	----
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	**----**	----	<0.160	----	**----**	----
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	<0.160	----	**----**	----	**----**	----
Pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Phenanthrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Naphthalene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Indeno(1.2.3.cd)pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Fluorene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Dibenz(a.h)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Chrysene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Benzo(k)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Benzo(g.h.i)perylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Benzo(b)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Benzo(a)pyrene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	<0.0100	----	<0.0100	----
Benz(a)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	**----**	----	**----**	----	<0.0100	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	<0.0100	----	**----**	----
Acenaphthylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Acenaphthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
PCBs									
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	**----**	----	**----**	----	<0.0210	----
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	<0.0210	----	<0.0210	----	**----**	----
PCB 52	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 28	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 180	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 153	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 138	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 118	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
PCB 101	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	<0.0030	----
Organochlorine Pesticides									
Hexachloroethane	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
1.2.3.5- & 1.2.4.5-Tetrachlorobenzene	S-OCPECD01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
1.2.3.4-Tetrachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Pentachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Alpha	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorobenzene (HCB)	S-OCPECD01	0.0050	mg/kg DW	<0.0050	----	<0.0050	----	<0.0050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_04**		**Solo_05**		**Solo_06**	
			Laboratory sample ID	*PR2293273004*		*PR2293273005*		*PR2293273006*	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		[16-Sep-2022]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Organochlorine Pesticides - Continued									
Hexachlorocyclohexane Beta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Hexachlorocyclohexane Gamma	S-OCPECD01	0.0100	mg/kg DW	<0.0100	----	<0.0100	----	<0.0100	----
Hexachlorocyclohexane Delta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachlor	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Aldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Telodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Isodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-cis	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Heptachloroepoxide-trans	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
alpha-Endosulfan	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4.4`-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Dieldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Endrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4.4`-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4.4`-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Sum of 3 tetrachlorobenzenes	S-OCPECD01	0.030	mg/kg DW	<0.030	----	<0.030	----	<0.030	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
4-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.6-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
3.5-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3.4-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
3.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.5.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4.5-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
2.3.4.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	<0.010	----
Pentachlorophenol	S-CLPGMS01	0.0050	mg/kg DW	<0.0051	----	<0.0050	----	<0.0052	----
Petroleum Hydrocarbons									
Aliphates C5-C8	S-VOCGMS02	10	mg/kg DW	<10	----	<10	----	<10	----
Aliphates C8-C10	S-VOCGMS02	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C12 Fraction	S-TPHFID01	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
C12 - C16 Fraction	S-TPHFID01	3.0	mg/kg DW	<3.0	----	<3.0	----	<3.0	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW	**----**	----	**----**	----	<10	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW	**----**	----	<10	----	**----**	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW	<10	----	**----**	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_07**		**Solo_08**		**----**	
			Laboratory sample ID	*PR2293273007*		*PR2293273008*		----	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Electrical Conductivity @ 25°C	S-CON-ELE02	1.0	mS/m	**2.8**	± 30.8%	**2.0**	± 38.9%	**----**	----
pH (H2O)	S-PHH2O-ELE	1.0	-	**4.9**	± 3.1%	**5.3**	± 2.8%	**----**	----
Sand (20-2000 µm)	S-TEXT3FPT	0.10	%	**97.3**	± 10.0%	**91.4**	± 10.0%	**----**	----
Silt (2-20 µm)	S-TEXT3FPT	0.10	%	**2.63**	± 10.0%	**8.44**	± 10.0%	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_07**		**Solo_08**		**----**	
			Laboratory sample ID	*PR2293273007*		*PR2293273008*		----	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters - Continued									
Clay (<2 µm)	S-TEXT3FPT	0.10	%	<0.10	----	**0.12**	± 10.0%	**----**	----
Organic Dry Mass	S-LI550GR	0.10	% DW	**2.78**	± 5.5%	**5.16**	± 5.2%	**----**	----
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**89.8**	± 6.0%	**91.2**	± 6.0%	**----**	----
Agregate Parameters									
Phenol Index	S-PHI-PHO	0.20	mg/kg DW	**0.26**	± 62.7%	**0.34**	± 52.6%	**----**	----
Nonmetallic Inorganic Parameters									
Total Nitrogen as N	S-NTOT-PHO	50	mg/kg DW	**1200**	± 20.2%	**1270**	± 20.2%	**----**	----
Total Organic Carbon	S-TOC1-IR	0.10	% DW	**0.99**	± 15.2%	**1.44**	± 15.1%	**----**	----
Total Metals / Major Cations									
Calcium as CaO	S-METAXHB-CC	70	mg/kg DW	<70	----	**112**	± 20.0%	**----**	----
Magnesium as MgO	S-METAXHB-CC	8.0	mg/kg DW	**945**	± 20.0%	**4640**	± 20.0%	**----**	----
Potassium as K2O	S-METAXHB-CC	6.0	mg/kg DW	**1320**	± 20.0%	**3020**	± 20.0%	**----**	----
Iron as FeO	S-METAXHB-CC	13	mg/kg DW	**27900**	± 20.0%	**41500**	± 20.0%	**----**	----
Iron as Fe2O3	S-METAXHB-CC	14	mg/kg DW	**31000**	± 20.0%	**46100**	± 20.0%	**----**	----
Phosphorus as P2O5	S-METAXHB-CC	11.0	mg/kg DW	**775**	± 20.0%	**567**	± 20.0%	**----**	----
Aluminium as Al2O3	S-METAXHB-CC	2	mg/kg DW	**13700**	± 20.0%	**43400**	± 20.0%	**----**	----
Sodium as Na2O	S-METAXHB-CC	20	mg/kg DW	**22**	± 20.0%	**41**	± 20.0%	**----**	----
Silicon as SiO2	S-METAXHB-CC	107	mg/kg DW	**508**	± 20.0%	**523**	± 20.0%	**----**	----
Manganese as MnO2	S-METAXHB-CC	1.0	mg/kg DW	**63.6**	± 20.0%	**178**	± 20.0%	**----**	----
Titanium as TiO2	S-METAXHB-CC	0.33	mg/kg DW	**786**	± 20.0%	**1380**	± 20.0%	**----**	----
Sulfur as SO3	S-METAXHB-CC	75	mg/kg DW	**443**	± 20.0%	**346**	± 20.0%	**----**	----
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**7270**	± 20.0%	**23000**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**21.1**	± 20.0%	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**16.6**	± 20.0%	**----**	----	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**32.8**	± 20.0%	**39.7**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**1.17**	± 20.0%	**0.738**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**80**	± 20.0%	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	<50	----	**----**	----	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**17.7**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**11.4**	± 20.0%	**----**	----	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.98**	± 20.0%	**5.78**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**5.7**	± 20.0%	**12.5**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**32300**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**21700**	± 20.0%	**----**	----	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**7.5**	± 20.0%	**17.2**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**45.8**	± 20.0%	**161**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**2800**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**570**	± 20.0%	**----**	----	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**113**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**40.2**	± 20.0%	**----**	----	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**5.2**	± 20.0%	**14.7**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**247**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**338**	± 20.0%	**----**	----	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**2510**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**1090**	± 20.0%	**----**	----	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**245**	± 20.0%	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**237**	± 20.0%	**----**	----	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_07**		**Solo_08**		**----**	
			Laboratory sample ID	*PR2293273007*		*PR2293273008*		----	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Sodium	S-METAXHB2	15	mg/kg DW	**16**	± 20.0%	**31**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**1.41**	± 20.0%	**5.64**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**177**	± 20.0%	**139**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**1.9**	± 20.0%	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**471**	± 20.0%	**826**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**10.0**	± 20.0%	**19.5**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**24.0**	± 20.0%	**38.8**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**9.8**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	**----**	----
BTEX									
Benzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
Toluene	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Ethylbenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
meta- & para-Xylene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
ortho-Xylene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Sum of xylenes	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	**----**	----
Sum of BTEX	S-VOCGMS02	0.170	mg/kg DW	**----**	----	<0.170	----	**----**	----
Sum of BTEX	S-VOCGMS02	0.170	mg/kg DW	<0.170	----	**----**	----	**----**	----
Halogenated Volatile Organic Compounds									
Vinyl chloride	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
trans-1.2-Dichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Dichloromethane	S-VOCGMS02	0.80	mg/kg DW	<0.80	----	<0.80	----	**----**	----
cis-1.2-Dichloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.1-Dichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Chloroform	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	**----**	----
1.2-Dichloroethane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Tetrachloromethane	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Trichloroethene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
1.2-Dichloropropane	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	**----**	----
Tetrachloroethene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
Chlorobenzene	S-VOCGMS02	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.4-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.3-Dichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS02	0.030	mg/kg DW	<0.030	----	<0.030	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS02	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.3.5-Trichlorobenzene	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Sum of 3 Dichlorobenzenes	S-VOCGMS02	0.060	mg/kg DW	<0.060	----	<0.060	----	**----**	----
Sum of 3 Trichlorobenzenes	S-VOCGMS02	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS02	0.040	mg/kg DW	<0.040	----	<0.040	----	**----**	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS02	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	**----**	----	<0.160	----	**----**	----
Sum of 16 PAH	S-PAHGMS05	0.160	mg/kg DW	<0.160	----	**----**	----	**----**	----
Pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Phenanthrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Naphthalene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Indeno(1.2.3.cd)pyrene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Fluorene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Dibenz(a.h)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Chrysene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**Solo_07**		**Solo_08**		**----**	
			Laboratory sample ID	*PR2293273007*		*PR2293273008*		----	
			Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued									
Benzo(k)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Benzo(g.h.i)perylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Benzo(b)fluoranthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Benzo(a)pyrene	S-PAHGMS05	0.0100	mg/kg DW	**----**	----	<0.0100	----	**----**	----
Benzo(a)pyrene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	**----**	----	**----**	----
Benz(a)anthracene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	**----**	----	<0.0100	----	**----**	----
Anthracene	S-PAHGMS05	0.0100	mg/kg DW	<0.0100	----	**----**	----	**----**	----
Acenaphthylene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Acenaphthene	S-PAHGMS05	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
PCBs									
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	**----**	----	<0.0210	----	**----**	----
Sum of 7 PCBs	S-PCBGMS05	0.0210	mg/kg DW	<0.0210	----	**----**	----	**----**	----
PCB 52	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 28	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 180	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 153	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 138	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 118	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
PCB 101	S-PCBGMS05	0.0030	mg/kg DW	<0.0030	----	<0.0030	----	**----**	----
Organochlorine Pesticides									
Hexachloroethane	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
1.2.3.5- & 1.2.4.5-Tetrachlorobenzene	S-OCPECD01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
1.2.3.4-Tetrachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Pentachlorobenzene	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Hexachlorocyclohexane Alpha	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Hexachlorobenzene (HCB)	S-OCPECD01	0.0050	mg/kg DW	<0.0050	----	<0.0050	----	**----**	----
Hexachlorocyclohexane Beta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Hexachlorocyclohexane Gamma	S-OCPECD01	0.0100	mg/kg DW	<0.0100	----	<0.0100	----	**----**	----
Hexachlorocyclohexane Delta	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Heptachlor	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Aldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Telodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Isodrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Heptachloroepoxide-cis	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Heptachloroepoxide-trans	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.4-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
alpha-Endosulfan	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
4.4`-DDE	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Dieldrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.4-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Endrin	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
4.4`-DDD	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.4-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
4.4`-DDT	S-OCPECD01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
Sum of 3 tetrachlorobenzenes	S-OCPECD01	0.030	mg/kg DW	<0.030	----	<0.030	----	**----**	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
3-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
4-Chlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.6-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
3.5-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.3-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
3.4-Dichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----
2.3.6-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW	<0.010	----	<0.010	----	**----**	----

Sub-Matrix: **SOIL**				*Client sample ID*	**Solo_07**		**Solo_08**		**----**	
				Laboratory sample ID	*PR2293273007*		*PR2293273008*		----	
				Client sampling date / time	[16-Sep-2022]		[16-Sep-2022]		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorophenols - Continued										
2.3.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
2.3.4-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
3.4.5-Trichlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
2.3.5.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
2.3.4.5-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
2.3.4.6-Tetrachlorophenol	S-CLPGMS01	0.010	mg/kg DW		<0.010	----	<0.010	----	**----**	----
Pentachlorophenol	S-CLPGMS01	0.0050	mg/kg DW		<0.0050	----	<0.0052	----	**----**	----
Petroleum Hydrocarbons										
Aliphates C5-C8	S-VOCGMS02	10	mg/kg DW		<10	----	<10	----	**----**	----
Aliphates C8-C10	S-VOCGMS02	10	mg/kg DW		<10	----	<10	----	**----**	----
C10 - C12 Fraction	S-TPHFID01	2.0	mg/kg DW		<2.0	----	<2.0	----	**----**	----
C12 - C16 Fraction	S-TPHFID01	3.0	mg/kg DW		<3.0	----	<3.0	----	**----**	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW		**----**	----	<10	----	**----**	----
C16 - C35 Fraction	S-TPHFID01	10	mg/kg DW		<10	----	**----**	----	**----**	----

Descriptive Results

Sub-Matrix: **SOIL**

Method: Compound	*Laboratory sample ID*	*Client sample ID - Client sampling date / time*	*Analytical Results*
Physical Parameters			
S-TEXT3FPT: Texture	PR2293273-001	**Solo_01** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-002	**Solo_02** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-003	**Solo_03** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-004	**Solo_04** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-005	**Solo_05** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-006	**Solo_06** [16-Sep-2022]	arenoso franco
S-TEXT3FPT: Texture	PR2293273-007	**Solo_07** [16-Sep-2022]	arenoso
S-TEXT3FPT: Texture	PR2293273-008	**Solo_08** [16-Sep-2022]	arenoso

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: Bendlova 1687/7 Ceska Lipa Czech Republic 470 01	
S-CON-ELE02	CZ_SOP_D06_07_126 (CSN EN 13038, CSN ISO 11265, CSN P CEN/TS 15937) Determination of electrical conductivity.
S-LI550GR	CZ_SOP_D06_07_047.A (CSN EN 15169, CSN EN 15935, CSN EN 13039, CSN 72 0103, CSN 46 5735) Determination of ash by gravimetry and calculation of loss on ignition from measured values.
S-NTOT-PHO	CZ_SOP_D06_07_102 (CSN ISO 11261) Determination of total nitrogen by modified Kjeldahl method by spectrophotometry.
S-PHH2O-ELE	CZ_SOP_D06_07_113 (CSN ISO 10390, CSN EN 12176:1999, CSN EN 13037, CSN EN 15933, CSN 46 5735, ÖNORM L 1086-1, US EPA 9045D; US EPA 9040C) Determination of pH electrochemically in the suspension in water, KCl, CaCl2, BaCl2. Determined pH value is relative to temperature 25 °C.
S-PHI-PHO	CZ_SOP_D06_07_029 (CSN ISO 6439) Determination of phenol index by spectrophotometric method after distillation.
S-TEXT3FPT	CZ_SOP_D06_07_120 (CSN EN ISO 17892-4; CSN EN 933-1; CSN EN 933-2; BS ISO 11277; instructions TOM 23/1; ISO 13320) Determination of graininess of solid samples by the combined method of suspension density, sieve analyses and laser diffraction and calculation of permeability from measured values according to USBSC.
S-TOC1-IR	CZ_SOP_D06_07_117 (Elementar Company methodology, CSN ISO 10694, CSN EN 13137:2002, CSN EN 15936) Determination of total carbon (TC), total organic carbon (TOC) by the combustion method with IR detection and calculation of total inorganic carbon (TIC), carbonates and organic matter from measured values.
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	

Analytical Methods	*Method Descriptions*
S-CLPGMS01	CZ_SOP_D06_03_158 - except chap. 9.1, 9.2 a 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154) Determination of phenols, chlorinated phenols and cresols by gas chromatography method with detection MS and calculation of phenols, chlorinated phenols and cresols sums from measured values. The method has been modified within the flexible scope of accreditation set out in the Annex to the Certificate of Accreditation No. 73/2022 issued on February 14, 2022. A parameter 4-Chloro-3-methylphenol has been added.
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346:2007), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346:2007, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB-CC	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis. Results are expressed as oxide.
S-OCPECD01	CZ_SOP_D06_03_169 except chap. 10.2 (US EPA 8081, ISO 10382) 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
S-PAHGMS05	CZ_SOP_D06_03_161 except for chap. 10.1.1, 10.1.2, 10.2.1, 10.2.2 (US EPA 8270D, US EPA 8082A, CSN EN 15527, ISO 18287, ISO 10382, ČSN EN 17322). 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
S-PCBGMS05	CZ_SOP_D06_03_161 except for chap. 10.1.1, 10.1.2, 10.2.1, 10.2.2 (US EPA 8270D, US EPA 8082A, CSN EN 15527, ISO 18287, ISO 10382, ČSN EN 17322). 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
S-TPHFID01	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO/TS 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection
S-VOCGMS02	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values

Preparation Methods	*Method Descriptions*
Location of test performance: Bendlova 1687/7 Ceska Lipa Czech Republic 470 01	
* S-PPHOM.07	CZ_SOP_D06_07_P01 Preparation of solid samples for analysis (crushing, milling and pulverizing).
* S-PPHOM0.3	CZ_SOP_D06_07_P01 Preparation of solid samples for analysis (crushing, milling and pulverizing).
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm
* S-PPHOM4	CZ_SOP_D06_07_P01 Preparation of solid samples for analysis (crushing, milling and pulverizing).

A "*" symbol preceding any method indicates laboratory or subcontractor non-accredited test. 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. In the case when a procedure specified in an accredited method was used for non-accredited matrix, the reported results are non-accredited; please refer to information in General Comment section on the front page. If the report contains subcontracted analyses, 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.