# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| **Work Order** | : **PR18D5162** | Issue Date | : 10-Jan-2019 |
| Customer | : **KTE Co.** | Laboratory | : ALS Czech Republic, s.r.o. |
| Contact | : Eyal Shvartz | Contact | : Client Service |
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| Project | : Blanket Quote KTE-433-18 | Page | : 1 of 15 |
| Order number | : | Date Samples Received | : 19-Dec-2018 |
| | | Quote number | : PR2014KTEKA-IL0454<br>(CZ-201-14-1156) |
| Site | : Site: Haarig 7 Migdal Haemek | Date of test | : 20-Dec-2018 - 10-Jan-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.
Sample(s) PR18ad5162/001,003,009,011,013,036, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.
Sample(s) PR18D5162-001,005,036,037, method S-METAXHB1,2 the results of metals are reported as the average of 3 independent measurements.

## Responsible for accuracy

**Testing Laboratory No. 1163**
**Accredited by CAI according to**
**CSN EN ISO/IEC 17025:2005**

| *Signatories* | | *Position* |
|---|---|---|
| Zdeněk Jirák |  | Environmental Business Unit Manager |

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## *Analytical Results*

Sub-Matrix: **SOIL**

| | | | | Client sample ID | K4-0.5m | | K4-2m | | K5-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-001 | | PR18D5162-002 | | PR18D5162-003 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.9** | ± 1.7% | **8.5** | ± 1.8% | **8.9** | ± 1.7% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **91.0** | ± 6.0% | **90.8** | ± 6.0% | **82.9** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **----** | ---- | **----** | ---- | **0.321** | ± 20.2% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **2750** | ± 20.0% | **9680** | ± 20.0% | **9660** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | **2.77** | ± 20.0% | **1.07** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **52.8** | ± 20.0% | **47.1** | ± 20.0% | **38.2** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.060** | ± 20.0% | **0.233** | ± 20.0% | **0.311** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **1.3** | ± 20.0% | **2.6** | ± 20.0% | **4.0** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **363000** | ± 20.0% | **393000** | ± 20.0% | **340000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **4.33** | ± 20.0% | **13.5** | ± 20.0% | **25.3** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **1.05** | ± 20.0% | **2.33** | ± 20.0% | **3.41** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.7** | ± 20.0% | **9.7** | ± 20.0% | **10.3** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **1530** | ± 20.0% | **7670** | ± 20.0% | **8020** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | **2.6** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **3.4** | ± 20.0% | **10.3** | ± 20.0% | **5.8** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **7550** | ± 20.0% | **3020** | ± 20.0% | **9950** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **175** | ± 20.0% | **161** | ± 20.0% | **95.8** | ± 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 | | **6.7** | ± 20.0% | **7.5** | ± 20.0% | **15.9** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **121** | ± 20.0% | **72.7** | ± 20.0% | **381** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **254** | ± 20.0% | **1050** | ± 20.0% | **1710** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **210** | ± 20.0% | **102** | ± 20.0% | **132** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **99** | ± 20.0% | **136** | ± 20.0% | **158** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **79.9** | ± 20.0% | **72.4** | ± 20.0% | **109** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **292** | ± 20.0% | **191** | ± 20.0% | **150** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **95.2** | ± 20.0% | **158** | ± 20.0% | **171** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **4.70** | ± 20.0% | **15.4** | ± 20.0% | **14.5** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **3.2** | ± 20.0% | **10.0** | ± 20.0% | **21.5** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | **6.2** | ± 20.0% | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | **21** | ± 30.0% | <10 | ---- | **37** | ± 30.0% |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | **15** | ± 30.0% | <12 | ---- | **17** | ± 30.0% |

Sub-Matrix: **SOIL**

| | | | | Client sample ID | K5-1m | | K6-0.5m | | K6-1m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-004 | | PR18D5162-005 | | PR18D5162-006 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.7** | ± 1.7% | **9.2** | ± 1.6% | **9.6** | ± 1.6% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **82.3** | ± 6.0% | **80.9** | ± 6.0% | **84.3** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.219** | ± 20.5% | **0.602** | ± 20.1% | **0.229** | ± 20.5% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K5-1m | | K6-0.5m | | K6-1m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-004 | | PR18D5162-005 | | PR18D5162-006 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **11400** | ± 20.0% | **20800** | ± 20.0% | **4770** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **2.50** | ± 20.0% | **0.65** | ± 20.0% | <0.50 | ---- |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **49.2** | ± 20.0% | **55.8** | ± 20.0% | **26.5** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.364** | ± 20.0% | **0.571** | ± 20.0% | **0.168** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **4.4** | ± 20.0% | **7.5** | ± 20.0% | **2.3** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **319000** | ± 20.0% | **307000** | ± 20.0% | **404000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **28.3** | ± 20.0% | **42.3** | ± 20.0% | **15.4** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **3.90** | ± 20.0% | **4.73** | ± 20.0% | **1.42** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **11.6** | ± 20.0% | **13.5** | ± 20.0% | **4.7** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **8870** | ± 20.0% | **17000** | ± 20.0% | **2280** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **2.4** | ± 20.0% | **2.3** | ± 20.0% | **1.0** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **6.7** | ± 20.0% | **23.3** | ± 20.0% | **3.6** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **8850** | ± 20.0% | **9270** | ± 20.0% | **4520** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **128** | ± 20.0% | **151** | ± 20.0% | **43.1** | ± 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 | | **18.2** | ± 20.0% | **18.9** | ± 20.0% | **7.0** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **378** | ± 20.0% | **277** | ± 20.0% | **298** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **1800** | ± 20.0% | **2750** | ± 20.0% | **636** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **105** | ± 20.0% | **143** | ± 20.0% | <50 | ---- |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **180** | ± 20.0% | **1980** | ± 20.0% | **697** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **126** | ± 20.0% | **103** | ± 20.0% | **89.0** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **178** | ± 20.0% | **176** | ± 20.0% | **89** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **182** | ± 20.0% | **356** | ± 20.0% | **64.9** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **17.1** | ± 20.0% | **38.1** | ± 20.0% | **7.31** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **24.7** | ± 20.0% | **24.8** | ± 20.0% | **10.5** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | **5.7** | ± 20.0% | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | **18** | ± 30.0% | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K7-0.5m | | K7-2m | | K8b-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-007 | | PR18D5162-008 | | PR18D5162-009 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.4** | ± 1.8% | **8.5** | ± 1.8% | **8.2** | ± 1.8% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **85.9** | ± 6.0% | **80.8** | ± 6.0% | **89.0** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.210** | ± 20.6% | **0.081** | ± 23.5% | **0.144** | ± 21.2% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **6480** | ± 20.0% | **14200** | ± 20.0% | **3490** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **1.29** | ± 20.0% | <0.50 | ---- | **1.98** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **1080** | ± 20.0% | **64.9** | ± 20.0% | **18.3** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.199** | ± 20.0% | **0.423** | ± 20.0% | **0.096** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **3.7** | ± 20.0% | **7.8** | ± 20.0% | **2.3** | ± 20.0% |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K7-0.5m | | K7-2m | | K8b-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-007 | | PR18D5162-008 | | PR18D5162-009 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **141000** | ± 20.0% | **290000** | ± 20.0% | **72500** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **15.7** | ± 20.0% | **43.4** | ± 20.0% | **5.94** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **2.54** | ± 20.0% | **4.13** | ± 20.0% | **0.99** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **5.1** | ± 20.0% | **15.0** | ± 20.0% | **2.0** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **4180** | ± 20.0% | **9350** | ± 20.0% | **1770** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **1.2** | ± 20.0% | **2.1** | ± 20.0% | **1.1** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **5.2** | ± 20.0% | **11.5** | ± 20.0% | **3.5** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **5920** | ± 20.0% | **9470** | ± 20.0% | **14700** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **77.7** | ± 20.0% | **146** | ± 20.0% | **65.5** | ± 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 | | **9.5** | ± 20.0% | **28.5** | ± 20.0% | **4.2** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **220** | ± 20.0% | **1080** | ± 20.0% | **94.4** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **757** | ± 20.0% | **2080** | ± 20.0% | **418** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **90** | ± 20.0% | **50** | ± 20.0% | **227** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **125** | ± 20.0% | **219** | ± 20.0% | **125** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **142** | ± 20.0% | **184** | ± 20.0% | **149** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **496** | ± 20.0% | **179** | ± 20.0% | **182** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **96.6** | ± 20.0% | **172** | ± 20.0% | **61.0** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **9.48** | ± 20.0% | **23.1** | ± 20.0% | **4.93** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **13.5** | ± 20.0% | **36.2** | ± 20.0% | **7.4** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | <5.0 | ---- | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | <10 | ---- | **30** | ± 30.0% |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K8b-1m | | K8-0-1.2m | | K8-2m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-010 | | PR18D5162-011 | | PR18D5162-012 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.3** | ± 1.8% | **8.6** | ± 1.7% | **8.5** | ± 1.8% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **84.5** | ± 6.0% | **93.2** | ± 6.0% | **85.4** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.123** | ± 21.6% | **0.191** | ± 20.7% | **0.322** | ± 20.2% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **5840** | ± 20.0% | **4450** | ± 20.0% | **3790** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **0.80** | ± 20.0% | **1.72** | ± 20.0% | <0.50 | ---- |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **36.8** | ± 20.0% | **26.4** | ± 20.0% | **16.1** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.184** | ± 20.0% | **0.139** | ± 20.0% | **0.137** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **2.9** | ± 20.0% | **4.6** | ± 20.0% | **1.6** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **411000** | ± 20.0% | **247000** | ± 20.0% | **399000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **15.3** | ± 20.0% | **9.49** | ± 20.0% | **10.3** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **1.75** | ± 20.0% | **1.10** | ± 20.0% | **1.17** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **6.2** | ± 20.0% | **5.5** | ± 20.0% | **3.9** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **4260** | ± 20.0% | **2600** | ± 20.0% | **1940** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **1.3** | ± 20.0% | **1.0** | ± 20.0% | **1.1** | ± 20.0% |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K8b-1m | | K8-0-1.2m | | K8-2m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-010 | | PR18D5162-011 | | PR18D5162-012 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.4** | ± 20.0% | **9.2** | ± 20.0% | **2.6** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **3480** | ± 20.0% | **117000** | ± 20.0% | **2440** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **87.5** | ± 20.0% | **57.2** | ± 20.0% | **57.6** | ± 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 | ---- | **0.80** | ± 20.0% | <0.40 | ---- |
| **Nickel** | S-METAXHB1 | 1.0 | mg/kg DW | | **9.2** | ± 20.0% | **5.8** | ± 20.0% | **5.8** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **306** | ± 20.0% | **224** | ± 20.0% | **151** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **850** | ± 20.0% | **923** | ± 20.0% | **442** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | <50 | ---- | **424** | ± 20.0% | **79** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **111** | ± 20.0% | **187** | ± 20.0% | **63** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **95.7** | ± 20.0% | **67.1** | ± 20.0% | **45.1** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **208** | ± 20.0% | **313** | ± 20.0% | **63** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **73.3** | ± 20.0% | **84.7** | ± 20.0% | **47.2** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **8.58** | ± 20.0% | **15.8** | ± 20.0% | **5.16** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **13.8** | ± 20.0% | **16.0** | ± 20.0% | **7.8** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | <5.0 | ---- | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | **360** | ± 30.0% | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | **42** | ± 30.0% | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K3-0.3m | | K14-0.5m | | K14-1m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-013 | | PR18D5162-014 | | PR18D5162-015 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **9.0** | ± 1.7% | **9.7** | ± 1.5% | **8.9** | ± 1.7% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **95.7** | ± 6.0% | **74.6** | ± 6.0% | **82.1** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **----** | ---- | **0.271** | ± 20.3% | **0.127** | ± 21.5% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **4880** | ± 20.0% | **7830** | ± 20.0% | **9900** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **3.72** | ± 20.0% | <0.50 | ---- | **1.60** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **10.8** | ± 20.0% | **54.8** | ± 20.0% | **63.3** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.162** | ± 20.0% | **0.250** | ± 20.0% | **0.291** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **5.3** | ± 20.0% | **5.5** | ± 20.0% | **5.6** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **218000** | ± 20.0% | **358000** | ± 20.0% | **333000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **10.0** | ± 20.0% | **14.6** | ± 20.0% | **19.3** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **1.28** | ± 20.0% | **2.56** | ± 20.0% | **3.18** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.2** | ± 20.0% | **7.4** | ± 20.0% | **9.2** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **6100** | ± 20.0% | **5710** | ± 20.0% | **7680** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | **1.8** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **17.3** | ± 20.0% | **5.6** | ± 20.0% | **6.9** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **114000** | ± 20.0% | **5520** | ± 20.0% | **13200** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **52.4** | ± 20.0% | **146** | ± 20.0% | **160** | ± 20.0% |
| **Mercury** | S-METAXHB1 | 0.20 | mg/kg DW | | <0.20 | ---- | <0.20 | ---- | <0.20 | ---- |
| **Molybdenum** | S-METAXHB1 | 0.40 | mg/kg DW | | **0.91** | ± 20.0% | <0.40 | ---- | <0.40 | ---- |
| **Nickel** | S-METAXHB1 | 1.0 | mg/kg DW | | **5.9** | ± 20.0% | **11.4** | ± 20.0% | **13.0** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **193** | ± 20.0% | **209** | ± 20.0% | **237** | ± 20.0% |

Sub-Matrix: **SOIL**

| Parameter | Method | LOR | Unit | Client sample ID: K3-0.3m<br>Laboratory sample ID: PR18D5162-013<br>Client sampling date / time: 17-Dec-2018 00:00 | | Client sample ID: K14-0.5m<br>Laboratory sample ID: PR18D5162-014<br>Client sampling date / time: 17-Dec-2018 00:00 | | Client sample ID: K14-1m<br>Laboratory sample ID: PR18D5162-015<br>Client sampling date / time: 17-Dec-2018 00:00 | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Result | MU | Result | MU | Result | MU |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | **1370** | ± 20.0% | **1020** | ± 20.0% | **1730** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | **70** | ± 20.0% | <50 | ---- | **65** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | **196** | ± 20.0% | **782** | ± 20.0% | **382** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | **62.3** | ± 20.0% | **95.6** | ± 20.0% | **99.2** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | **234** | ± 20.0% | **173** | ± 20.0% | **190** | ± 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 | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | **66.9** | ± 20.0% | **126** | ± 20.0% | **149** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | **19.2** | ± 20.0% | **10.7** | ± 20.0% | **15.5** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | **7.2** | ± 20.0% | **13.0** | ± 20.0% | **18.6** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | <5.0 | ---- | <5.0 | ---- | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | **434** | ± 30.0% | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | **136** | ± 30.0% | <12 | ---- | <12 | ---- |
| **BTEX** | | | | | | | | | |
| **Benzene** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **Toluene** | S-VOCGMS01 | 0.030 | mg/kg DW | <0.030 | ---- | **----** | ---- | **----** | ---- |
| **Ethylbenzene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **meta- & para-Xylene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **ortho-Xylene** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **Halogenated Volatile Organic Compounds** | | | | | | | | | |
| **1.1.1.2-Tetrachloroethane** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **1.1.1-Trichloroethane** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **1.1.2.2-Tetrachloroethane** | S-VOCGMS01 | 0.050 | mg/kg DW | <0.050 | ---- | **----** | ---- | **----** | ---- |
| **1.1.2-Trichloroethane** | S-VOCGMS01 | 0.040 | mg/kg DW | <0.040 | ---- | **----** | ---- | **----** | ---- |
| **1.1-Dichloroethane** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **1.1-Dichloroethene** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **1.1-Dichloropropene** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.2.3-Trichlorobenzene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **1.2.3-Trichloropropane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.2.4-Trichlorobenzene** | S-VOCGMS01 | 0.030 | mg/kg DW | <0.030 | ---- | **----** | ---- | **----** | ---- |
| **1.2-Dibromo-3-chloropropane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.2-Dibromoethane (EDB)** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.2-Dichlorobenzene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **1.2-Dichloroethane** | S-VOCGMS01 | 0.050 | mg/kg DW | <0.050 | ---- | **----** | ---- | **----** | ---- |
| **1.2-Dichloropropane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.3-Dichlorobenzene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **1.3-Dichloropropane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.4-Dichlorobenzene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **2.2-Dichloropropane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **2-Chlorotoluene** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **4-Chlorotoluene** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Bromobenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Bromochloromethane** | S-VOCGMS01 | 0.20 | mg/kg DW | <0.20 | ---- | **----** | ---- | **----** | ---- |
| **Bromodichloromethane** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **Bromoform** | S-VOCGMS01 | 0.040 | mg/kg DW | <0.040 | ---- | **----** | ---- | **----** | ---- |
| **Bromomethane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Chlorobenzene** | S-VOCGMS01 | 0.010 | mg/kg DW | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **Chloroethane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Chloroform** | S-VOCGMS01 | 0.030 | mg/kg DW | <0.030 | ---- | **----** | ---- | **----** | ---- |
| **Chloromethane** | S-VOCGMS01 | 1.00 | mg/kg DW | <1.00 | ---- | **----** | ---- | **----** | ---- |
| **cis-1.2-Dichloroethene** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **cis-1.3-Dichloropropene** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Dibromochloromethane** | S-VOCGMS01 | 0.020 | mg/kg DW | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **Dibromomethane** | S-VOCGMS01 | 0.10 | mg/kg DW | <0.10 | ---- | **----** | ---- | **----** | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K3-0.3m | | K14-0.5m | | K14-1m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-013 | | PR18D5162-014 | | PR18D5162-015 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Halogenated Volatile Organic Compounds - Continued** | | | | | | | | | | |
| **Dichlorodifluoromethane** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Dichloromethane** | S-VOCGMS01 | 0.080 | mg/kg DW | | <0.080 | ---- | **----** | ---- | **----** | ---- |
| **Hexachlorobutadiene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Tetrachloroethene** | S-VOCGMS01 | 0.020 | mg/kg DW | | <0.020 | ---- | **----** | ---- | **----** | ---- |
| **Tetrachloromethane** | S-VOCGMS01 | 0.010 | mg/kg DW | | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **trans-1.2-Dichloroethene** | S-VOCGMS01 | 0.010 | mg/kg DW | | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **trans-1.3-Dichloropropene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Trichloroethene** | S-VOCGMS01 | 0.010 | mg/kg DW | | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **Vinyl chloride** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Non-Halogenated Volatile Organic Compounds** | | | | | | | | | | |
| **1.2.4-Trimethylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **1.3.5-Trimethylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Isopropylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Methyl tert-Butyl Ether (MTBE)** | S-VOCGMS01 | 0.050 | mg/kg DW | | <0.050 | ---- | **----** | ---- | **----** | ---- |
| **n-Butylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **n-Propylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **p-Isopropyltoluene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **sec-Butylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **tert-Butyl alcohol** | S-VOCGMS01 | 0.80 | mg/kg DW | | <0.80 | ---- | **----** | ---- | **----** | ---- |
| **tert-Butylbenzene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |
| **Styrene** | S-VOCGMS01 | 0.040 | mg/kg DW | | <0.040 | ---- | **----** | ---- | **----** | ---- |
| **2-Butanone (MEK)** | S-VOCGMS01 | 1.0 | mg/kg DW | | <1.0 | ---- | **----** | ---- | **----** | ---- |
| **Methyl isobutyl ketone** | S-VOCGMS01 | 1.0 | mg/kg DW | | <1.0 | ---- | **----** | ---- | **----** | ---- |
| **Polycyclic Aromatics Hydrocarbons (PAHs)** | | | | | | | | | | |
| **Naphthalene** | S-VOCGMS01 | 0.10 | mg/kg DW | | <0.10 | ---- | **----** | ---- | **----** | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K13-0.5m | | K13-1m | | K12-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-016 | | PR18D5162-017 | | PR18D5162-018 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.4** | ± 1.8% | **10.1** | ± 1.5% | **9.2** | ± 1.6% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **78.2** | ± 6.0% | **75.3** | ± 6.0% | **82.5** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.209** | ± 20.6% | **0.158** | ± 21.0% | **0.075** | ± 24.1% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **13600** | ± 20.0% | **20900** | ± 20.0% | **13400** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | **0.99** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **69.4** | ± 20.0% | **98.8** | ± 20.0% | **537** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.408** | ± 20.0% | **0.678** | ± 20.0% | **0.484** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **6.7** | ± 20.0% | **24.9** | ± 20.0% | **9.2** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **291000** | ± 20.0% | **203000** | ± 20.0% | **288000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **30.8** | ± 20.0% | **50.5** | ± 20.0% | **31.2** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **5.57** | ± 20.0% | **8.72** | ± 20.0% | **6.55** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **16.5** | ± 20.0% | **22.8** | ± 20.0% | **15.3** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **10200** | ± 20.0% | **16500** | ± 20.0% | **10300** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **2.9** | ± 20.0% | **4.6** | ± 20.0% | **3.6** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **7.2** | ± 20.0% | **12.3** | ± 20.0% | **7.4** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **6680** | ± 20.0% | **15000** | ± 20.0% | **6900** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **314** | ± 20.0% | **602** | ± 20.0% | **614** | ± 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 | | **29.5** | ± 20.0% | **48.6** | ± 20.0% | **39.2** | ± 20.0% |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K13-0.5m | | K13-1m | | K12-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-016 | | PR18D5162-017 | | PR18D5162-018 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **723** | ± 20.0% | **793** | ± 20.0% | **692** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **2560** | ± 20.0% | **2960** | ± 20.0% | **2360** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **71** | ± 20.0% | **119** | ± 20.0% | **101** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **186** | ± 20.0% | **4410** | ± 20.0% | **632** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **92.6** | ± 20.0% | **80.9** | ± 20.0% | **70.2** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **154** | ± 20.0% | **88** | ± 20.0% | **248** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **205** | ± 20.0% | **307** | ± 20.0% | **225** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **17.9** | ± 20.0% | **30.8** | ± 20.0% | **18.6** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **34.6** | ± 20.0% | **55.5** | ± 20.0% | **40.8** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | **5.6** | ± 20.0% | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K12-1m | | K11-0.5m | | K1-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-019 | | PR18D5162-020 | | PR18D5162-022 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **9.0** | ± 1.7% | **8.2** | ± 1.8% | **8.6** | ± 1.7% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **80.9** | ± 6.0% | **83.9** | ± 6.0% | **94.7** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.337** | ± 20.2% | **0.105** | ± 22.2% | **----** | ---- |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **20800** | ± 20.0% | **13200** | ± 20.0% | **5270** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **1.84** | ± 20.0% | **1.84** | ± 20.0% | <0.50 | ---- |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **140** | ± 20.0% | **51.9** | ± 20.0% | **17.2** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.712** | ± 20.0% | **0.371** | ± 20.0% | **0.108** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **13.0** | ± 20.0% | **6.8** | ± 20.0% | **2.7** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | **0.45** | ± 20.0% | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **256000** | ± 20.0% | **356000** | ± 20.0% | **267000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **49.6** | ± 20.0% | **27.2** | ± 20.0% | **6.83** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **8.61** | ± 20.0% | **3.44** | ± 20.0% | **4.79** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **22.6** | ± 20.0% | **8.1** | ± 20.0% | **16.5** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **16600** | ± 20.0% | **9500** | ± 20.0% | **2560** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.2** | ± 20.0% | **2.1** | ± 20.0% | <1.0 | ---- |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **11.1** | ± 20.0% | **14.4** | ± 20.0% | **8.0** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **7450** | ± 20.0% | **6780** | ± 20.0% | **102000** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **804** | ± 20.0% | **168** | ± 20.0% | **41.7** | ± 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 | ---- | **1.13** | ± 20.0% |
| **Nickel** | S-METAXHB1 | 1.0 | mg/kg DW | | **53.3** | ± 20.0% | **16.3** | ± 20.0% | **4.7** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **925** | ± 20.0% | **519** | ± 20.0% | **41.7** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **3300** | ± 20.0% | **1420** | ± 20.0% | **592** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **163** | ± 20.0% | **75** | ± 20.0% | **86** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **851** | ± 20.0% | **331** | ± 20.0% | **202** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **70.7** | ± 20.0% | **103** | ± 20.0% | **67.4** | ± 20.0% |

| Sub-Matrix: **SOIL** | | | | Client sample ID | **K12-1m** | | **K11-0.5m** | | **K1-0.5m** | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | *PR18D5162-019* | | *PR18D5162-020* | | *PR18D5162-022* | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **119** | ± 20.0% | **196** | ± 20.0% | **232** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **342** | ± 20.0% | **159** | ± 20.0% | **73.0** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **28.8** | ± 20.0% | **25.8** | ± 20.0% | **10.5** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **53.9** | ± 20.0% | **18.8** | ± 20.0% | <3.0 | ---- |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | **5.8** | ± 20.0% | <5.0 | ---- | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | **K1-1m** | | **K2-0.5m** | | **K2-1m** | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | *PR18D5162-023* | | *PR18D5162-024* | | *PR18D5162-025* | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.3** | ± 1.8% | **8.2** | ± 1.8% | **8.4** | ± 1.8% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **76.8** | ± 6.0% | **73.0** | ± 6.0% | **82.9** | ± 6.0% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **36500** | ± 20.0% | **22400** | ± 20.0% | **6160** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | **2.94** | ± 20.0% | **0.72** | ± 20.0% | **0.81** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **111** | ± 20.0% | **83.7** | ± 20.0% | **37.8** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.850** | ± 20.0% | **0.604** | ± 20.0% | **0.178** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **6.0** | ± 20.0% | **5.5** | ± 20.0% | **2.0** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | **0.55** | ± 20.0% |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **239000** | ± 20.0% | **284000** | ± 20.0% | **368000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **40.9** | ± 20.0% | **29.8** | ± 20.0% | **12.3** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **8.73** | ± 20.0% | **7.01** | ± 20.0% | **1.60** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **15.2** | ± 20.0% | **13.0** | ± 20.0% | **5.0** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **27300** | ± 20.0% | **19300** | ± 20.0% | **4360** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.6** | ± 20.0% | **3.2** | ± 20.0% | **1.0** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **31.0** | ± 20.0% | **23.0** | ± 20.0% | **4.0** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **6320** | ± 20.0% | **4920** | ± 20.0% | **2250** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **390** | ± 20.0% | **455** | ± 20.0% | **75.4** | ± 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 | | **25.0** | ± 20.0% | **19.0** | ± 20.0% | **8.5** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **169** | ± 20.0% | **156** | ± 20.0% | **149** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **2800** | ± 20.0% | **1940** | ± 20.0% | **722** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **73** | ± 20.0% | **77** | ± 20.0% | **67** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **306** | ± 20.0% | **188** | ± 20.0% | **104** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **67.6** | ± 20.0% | **61.8** | ± 20.0% | **55.1** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **292** | ± 20.0% | **232** | ± 20.0% | **118** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **703** | ± 20.0% | **523** | ± 20.0% | **96.8** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **44.2** | ± 20.0% | **30.6** | ± 20.0% | **7.24** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **29.1** | ± 20.0% | **21.9** | ± 20.0% | **10.8** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | **6.8** | ± 20.0% | **6.8** | ± 20.0% | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K1-1m | | K2-0.5m | | K2-1m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-023 | | PR18D5162-024 | | PR18D5162-025 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Total Petroleum Hydrocarbons - Continued** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K10-0.5m | | K10-1m | | K9-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-026 | | PR18D5162-027 | | PR18D5162-028 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.9** | ± 1.7% | **8.9** | ± 1.7% | **9.0** | ± 1.7% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **76.0** | ± 6.0% | **86.1** | ± 6.0% | **75.3** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.138** | ± 21.3% | **0.177** | ± 20.8% | **0.110** | ± 22.0% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **10600** | ± 20.0% | **6550** | ± 20.0% | **6010** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | **0.81** | ± 20.0% | **1.63** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **57.9** | ± 20.0% | **55.1** | ± 20.0% | **44.4** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.321** | ± 20.0% | **0.218** | ± 20.0% | **0.207** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **11.9** | ± 20.0% | **7.9** | ± 20.0% | **8.7** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | **0.47** | ± 20.0% |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **321000** | ± 20.0% | **386000** | ± 20.0% | **433000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **26.3** | ± 20.0% | **21.1** | ± 20.0% | **15.3** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **4.31** | ± 20.0% | **2.94** | ± 20.0% | **2.19** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **11.4** | ± 20.0% | **9.3** | ± 20.0% | **6.5** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **7820** | ± 20.0% | **4470** | ± 20.0% | **4100** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **1.8** | ± 20.0% | <1.0 | ---- | <1.0 | ---- |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **6.9** | ± 20.0% | **6.0** | ± 20.0% | **6.6** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **7780** | ± 20.0% | **6450** | ± 20.0% | **5890** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **288** | ± 20.0% | **172** | ± 20.0% | **75.9** | ± 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 | | **23.8** | ± 20.0% | **16.8** | ± 20.0% | **7.5** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **613** | ± 20.0% | **555** | ± 20.0% | **307** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **1510** | ± 20.0% | **825** | ± 20.0% | **666** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **70** | ± 20.0% | **80** | ± 20.0% | **63** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **360** | ± 20.0% | **252** | ± 20.0% | **239** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **91.3** | ± 20.0% | **98.9** | ± 20.0% | **84.6** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **140** | ± 20.0% | **134** | ± 20.0% | **158** | ± 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 | | **6.8** | ± 20.0% | **1.7** | ± 20.0% | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **156** | ± 20.0% | **93.2** | ± 20.0% | **68.7** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **15.6** | ± 20.0% | **11.8** | ± 20.0% | **11.2** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **25.2** | ± 20.0% | **17.0** | ± 20.0% | **9.1** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | <5.0 | ---- | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K9-1m | | Background 1m | | K15-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-029 | | PR18D5162-030 | | PR18D5162-034 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K9-1m | | Background 1m | | K15-0.5m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-029 | | PR18D5162-030 | | PR18D5162-034 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.5** | ± 1.8% | **8.2** | ± 1.8% | **8.4** | ± 1.8% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **78.4** | ± 6.0% | **84.9** | ± 6.0% | **74.0** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.225** | ± 20.5% | **0.188** | ± 20.7% | **0.358** | ± 20.2% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **10100** | ± 20.0% | **18700** | ± 20.0% | **12600** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | **3.00** | ± 20.0% | **1.53** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **58.6** | ± 20.0% | **69.5** | ± 20.0% | **53.0** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.272** | ± 20.0% | **0.469** | ± 20.0% | **0.376** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **13.7** | ± 20.0% | **4.4** | ± 20.0% | **5.2** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **362000** | ± 20.0% | **320000** | ± 20.0% | **315000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **31.0** | ± 20.0% | **25.4** | ± 20.0% | **21.7** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **4.69** | ± 20.0% | **4.56** | ± 20.0% | **4.41** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **12.7** | ± 20.0% | **11.1** | ± 20.0% | **12.2** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **7040** | ± 20.0% | **15200** | ± 20.0% | **10700** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **2.1** | ± 20.0% | **2.1** | ± 20.0% | **2.1** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **9.8** | ± 20.0% | **20.6** | ± 20.0% | **11.1** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **9060** | ± 20.0% | **10700** | ± 20.0% | **22200** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **246** | ± 20.0% | **212** | ± 20.0% | **178** | ± 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 | | **21.6** | ± 20.0% | **15.0** | ± 20.0% | **15.0** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **790** | ± 20.0% | **160** | ± 20.0% | **214** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **1160** | ± 20.0% | **1930** | ± 20.0% | **1840** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **78** | ± 20.0% | **98** | ± 20.0% | **170** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **347** | ± 20.0% | **115** | ± 20.0% | **160** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **91.8** | ± 20.0% | **74.2** | ± 20.0% | **77.6** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **180** | ± 20.0% | **267** | ± 20.0% | **166** | ± 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 | | **2.0** | ± 20.0% | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **118** | ± 20.0% | **433** | ± 20.0% | **182** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **16.3** | ± 20.0% | **28.7** | ± 20.0% | **22.2** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **23.2** | ± 20.0% | **18.4** | ± 20.0% | **21.6** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | **8.2** | ± 20.0% | <5.0 | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | **19** | ± 30.0% | <10 | ---- | <10 | ---- |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | **16** | ± 30.0% | <12 | ---- | <12 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K15-1m | | K4-0.5m DUP | | K6-0.5m DUP | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-035 | | PR18D5162-036 | | PR18D5162-037 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH (H2O)** | S-PHH2O-ELE | 1.0 | - | | **8.7** | ± 1.7% | **8.9** | ± 1.7% | **9.2** | ± 1.6% |
| **Dry matter @ 105°C** | S-DRY-GRCI | 0.10 | % | | **81.4** | ± 6.0% | **91.0** | ± 6.0% | **80.9** | ± 6.0% |
| **Dissolved Metals / Major Cations** | | | | | | | | | | |
| **Hexavalent Chromium - Soluble** | S-CR6-IC | 0.060 | mg/kg DW | | **0.209** | ± 20.6% | **----** | ---- | **0.180** | ± 20.8% |
| **Extractable Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | S-METAXHB2 | 1.0 | mg/kg DW | | **13700** | ± 20.0% | **2560** | ± 20.0% | **33600** | ± 20.0% |
| **Antimony** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |

| Sub-Matrix: **SOIL** | | | | Client sample ID | K15-1m | | K4-0.5m DUP | | K6-0.5m DUP | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-035 | | PR18D5162-036 | | PR18D5162-037 | |
| | | | | Client sampling date / time | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | | 17-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Extractable Metals / Major Cations - Continued** | | | | | | | | | | |
| **Arsenic** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | **1.94** | ± 20.0% |
| **Barium** | S-METAXHB1 | 0.20 | mg/kg DW | | **96.3** | ± 20.0% | **56.6** | ± 20.0% | **76.2** | ± 20.0% |
| **Beryllium** | S-METAXHB1 | 0.010 | mg/kg DW | | **0.388** | ± 20.0% | **0.036** | ± 20.0% | **0.846** | ± 20.0% |
| **Bismuth** | S-METAXHB2 | 1.0 | mg/kg DW | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Boron** | S-METAXHB2 | 1.0 | mg/kg DW | | **6.3** | ± 20.0% | <1.0 | ---- | **10.1** | ± 20.0% |
| **Cadmium** | S-METAXHB1 | 0.40 | mg/kg DW | | <0.40 | ---- | <0.40 | ---- | <0.40 | ---- |
| **Calcium** | S-METAXHB2 | 50 | mg/kg DW | | **361000** | ± 20.0% | **407000** | ± 20.0% | **245000** | ± 20.0% |
| **Chromium** | S-METAXHB1 | 0.50 | mg/kg DW | | **37.5** | ± 20.0% | **4.25** | ± 20.0% | **62.8** | ± 20.0% |
| **Cobalt** | S-METAXHB1 | 0.20 | mg/kg DW | | **6.80** | ± 20.0% | **1.06** | ± 20.0% | **8.48** | ± 20.0% |
| **Copper** | S-METAXHB1 | 1.0 | mg/kg DW | | **20.0** | ± 20.0% | **4.9** | ± 20.0% | **20.2** | ± 20.0% |
| **Iron** | S-METAXHB1 | 10 | mg/kg DW | | **11700** | ± 20.0% | **1440** | ± 20.0% | **29600** | ± 20.0% |
| **Lead** | S-METAXHB1 | 1.0 | mg/kg DW | | **4.3** | ± 20.0% | <1.0 | ---- | **3.8** | ± 20.0% |
| **Lithium** | S-METAXHB1 | 1.0 | mg/kg DW | | **8.6** | ± 20.0% | **2.6** | ± 20.0% | **37.3** | ± 20.0% |
| **Magnesium** | S-METAXHB2 | 5.0 | mg/kg DW | | **8650** | ± 20.0% | **3640** | ± 20.0% | **7600** | ± 20.0% |
| **Manganese** | S-METAXHB1 | 0.50 | mg/kg DW | | **331** | ± 20.0% | **207** | ± 20.0% | **280** | ± 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 | | **31.4** | ± 20.0% | **7.7** | ± 20.0% | **31.4** | ± 20.0% |
| **Phosphorus** | S-METAXHB1 | 5.0 | mg/kg DW | | **781** | ± 20.0% | **103** | ± 20.0% | **349** | ± 20.0% |
| **Potassium** | S-METAXHB2 | 5.0 | mg/kg DW | | **2540** | ± 20.0% | **213** | ± 20.0% | **4360** | ± 20.0% |
| **Selenium** | S-METAXHB2 | 2.0 | mg/kg DW | | <2.0 | ---- | <2.0 | ---- | <2.0 | ---- |
| **Silicon** | S-METAXHB2 | 50 | mg/kg DW | | **178** | ± 20.0% | **189** | ± 20.0% | **187** | ± 20.0% |
| **Silver** | S-METAXHB1 | 0.50 | mg/kg DW | | <0.50 | ---- | <0.50 | ---- | <0.50 | ---- |
| **Sodium** | S-METAXHB2 | 15 | mg/kg DW | | **378** | ± 20.0% | **89** | ± 20.0% | **2990** | ± 20.0% |
| **Strontium** | S-METAXHB1 | 0.10 | mg/kg DW | | **121** | ± 20.0% | **79.2** | ± 20.0% | **105** | ± 20.0% |
| **Sulphur** | S-METAXHB2 | 30 | mg/kg DW | | **169** | ± 20.0% | **257** | ± 20.0% | **147** | ± 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 | | <1.0 | ---- | <1.0 | ---- | <1.0 | ---- |
| **Titanium** | S-METAXHB2 | 0.20 | mg/kg DW | | **209** | ± 20.0% | **110** | ± 20.0% | **608** | ± 20.0% |
| **Vanadium** | S-METAXHB1 | 0.10 | mg/kg DW | | **20.0** | ± 20.0% | **4.26** | ± 20.0% | **64.1** | ± 20.0% |
| **Zinc** | S-METAXHB1 | 3.0 | mg/kg DW | | **40.8** | ± 20.0% | **3.2** | ± 20.0% | **40.4** | ± 20.0% |
| **Zirconium** | S-METAXHB2 | 5.0 | mg/kg DW | | <5.0 | ---- | <5.0 | ---- | **10.7** | ± 20.0% |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | S-TPHFID14 | 10 | mg/kg DW | | <10 | ---- | **20** | ± 30.0% | **13** | ± 30.0% |
| **C10 - C28 Fraction (DRO)** | S-TPHFID14 | 12 | mg/kg DW | | <12 | ---- | **21** | ± 30.0% | <12 | ---- |

| Sub-Matrix: **WATER** | | | | Client sample ID | FB | | EB | | TB | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-031 | | PR18D5162-032 | | PR18D5162-033 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Physical Parameters** | | | | | | | | | | |
| **pH Value** | W-PH-PCT | 1.00 | - | | **8.26** | ± 1.0% | **8.12** | ± 1.0% | **----** | ---- |
| **Total Metals / Major Cations** | | | | | | | | | | |
| **Aluminium** | W-METAXFX1 | 0.010 | mg/L | | <0.010 | ---- | **0.068** | ± 10.0% | **----** | ---- |
| **Antimony** | W-METAXFX1 | 0.010 | mg/L | | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Arsenic** | W-METAXFX1 | 0.0050 | mg/L | | <0.0050 | ---- | <0.0050 | ---- | **----** | ---- |
| **Barium** | W-METAXFX1 | 0.00050 | mg/L | | **0.00124** | ± 10.0% | **0.0619** | ± 10.0% | **----** | ---- |
| **Beryllium** | W-METAXFX1 | 0.00020 | mg/L | | <0.00020 | ---- | <0.00020 | ---- | **----** | ---- |
| **Bismuth** | W-METAXFX2 | 0.010 | mg/L | | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Boron** | W-METAXFX1 | 0.010 | mg/L | | <0.010 | ---- | **0.210** | ± 10.0% | **----** | ---- |
| **Cadmium** | W-METAXFX1 | 0.00040 | mg/L | | <0.00040 | ---- | <0.00040 | ---- | **----** | ---- |
| **Calcium** | W-METAXFX1 | 0.0050 | mg/L | | **18.8** | ± 10.0% | **39.0** | ± 10.0% | **----** | ---- |
| **Chromium** | W-METAXFX1 | 0.0010 | mg/L | | **0.0035** | ± 10.0% | <0.0010 | ---- | **----** | ---- |
| **Cobalt** | W-METAXFX1 | 0.0020 | mg/L | | <0.0020 | ---- | <0.0020 | ---- | **----** | ---- |
| **Copper** | W-METAXFX1 | 0.0010 | mg/L | | <0.0010 | ---- | **0.0021** | ± 10.0% | **----** | ---- |

Sub-Matrix: **WATER**

| Parameter | Method | LOR | Unit | Client sample ID: FB<br>Laboratory sample ID: PR18D5162-031<br>Client sampling date / time: 18-Dec-2018 00:00 | | Client sample ID: EB<br>Laboratory sample ID: PR18D5162-032<br>Client sampling date / time: 18-Dec-2018 00:00 | | Client sample ID: TB<br>Laboratory sample ID: PR18D5162-033<br>Client sampling date / time: 18-Dec-2018 00:00 | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Result | MU | Result | MU | Result | MU |
| **Total Metals / Major Cations - Continued** | | | | | | | | | |
| **Iron** | W-METAXFX1 | 0.0020 | mg/L | <0.0020 | ---- | **0.308** | ± 10.0% | **----** | ---- |
| **Lead** | W-METAXFX1 | 0.0050 | mg/L | <0.0050 | ---- | <0.0050 | ---- | **----** | ---- |
| **Lithium** | W-METAXFX1 | 0.0010 | mg/L | **0.0055** | ± 10.0% | **0.0066** | ± 10.0% | **----** | ---- |
| **Magnesium** | W-METAXFX1 | 0.0030 | mg/L | **25.4** | ± 10.0% | **10.0** | ± 10.0% | **----** | ---- |
| **Manganese** | W-METAXFX1 | 0.00050 | mg/L | <0.00050 | ---- | **0.0324** | ± 10.0% | **----** | ---- |
| **Mercury** | W-HG-AFSFXL | 0.0020 | µg/L | **0.0027** | ± 10.0% | **0.0069** | ± 10.0% | **----** | ---- |
| **Molybdenum** | W-METAXFX1 | 0.0020 | mg/L | <0.0020 | ---- | <0.0020 | ---- | **----** | ---- |
| **Nickel** | W-METAXFX1 | 0.0020 | mg/L | <0.0020 | ---- | <0.0020 | ---- | **----** | ---- |
| **Phosphorus** | W-METAXFX1 | 0.050 | mg/L | <0.050 | ---- | <0.050 | ---- | **----** | ---- |
| **Potassium** | W-METAXFX1 | 0.015 | mg/L | **5.39** | ± 10.0% | **0.967** | ± 10.0% | **----** | ---- |
| **Selenium** | W-METAXFX1 | 0.010 | mg/L | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Silicon** | W-METAXFX2 | 0.010 | mg/L | **12.4** | ± 10.0% | **1.64** | ± 10.0% | **----** | ---- |
| **Silver** | W-METAXFX1 | 0.0010 | mg/L | <0.0010 | ---- | <0.0010 | ---- | **----** | ---- |
| **Sodium** | W-METAXFX1 | 0.030 | mg/L | **48.4** | ± 10.0% | **22.0** | ± 10.0% | **----** | ---- |
| **Strontium** | W-METAXFX2 | 0.0010 | mg/L | **0.198** | ± 10.0% | **0.188** | ± 10.0% | **----** | ---- |
| **Sulphur** | W-METAXFX2 | 0.060 | mg/L | **2.22** | ± 10.0% | **4.08** | ± 10.0% | **----** | ---- |
| **Tellurium** | W-METAXFX2 | 0.010 | mg/L | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Thallium** | W-METAXFX1 | 0.010 | mg/L | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Tin** | W-METAXFX2 | 0.010 | mg/L | <0.010 | ---- | <0.010 | ---- | **----** | ---- |
| **Titanium** | W-METAXFX2 | 0.0010 | mg/L | <0.0010 | ---- | <0.0010 | ---- | **----** | ---- |
| **Vanadium** | W-METAXFX1 | 0.0010 | mg/L | **0.0117** | ± 10.0% | <0.0010 | ---- | **----** | ---- |
| **Zinc** | W-METAXFX1 | 0.0020 | mg/L | <0.0020 | ---- | **0.231** | ± 10.0% | **----** | ---- |
| **Zirconium** | W-METAXFX2 | 0.0010 | mg/L | <0.0010 | ---- | <0.0010 | ---- | **----** | ---- |
| **Total Petroleum Hydrocarbons** | | | | | | | | | |
| **C24 - C40 Fraction (ORO)** | W-TPHFID14 | 30 | µg/L | <30 | ---- | <30 | ---- | **----** | ---- |
| **C10 - C28 Fraction (DRO)** | W-TPHFID14 | 35 | µg/L | <35 | ---- | <35 | ---- | **----** | ---- |
| **BTEX** | | | | | | | | | |
| **Benzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Toluene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Ethylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **meta- & para-Xylene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **ortho-Xylene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Halogenated Volatile Organic Compounds** | | | | | | | | | |
| **1.1.1.2-Tetrachloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1.1-Trichloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1.2.2-Tetrachloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1.2-Trichloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1-Dichloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1-Dichloroethene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.1-Dichloropropene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2.3-Trichlorobenzene** | S-VOCGMS06 | 10 | µg/kg | **----** | ---- | **----** | ---- | <10 | ---- |
| **1.2.3-Trichloropropane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2.4-Trichlorobenzene** | S-VOCGMS06 | 10 | µg/kg | **----** | ---- | **----** | ---- | <10 | ---- |
| **1.2-Dibromo-3-chloropropane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2-Dibromoethane (EDB)** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2-Dichlorobenzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2-Dichloroethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.2-Dichloropropane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.3-Dichlorobenzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.3-Dichloropropane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **1.4-Dichlorobenzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **2.2-Dichloropropane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **2-Chlorotoluene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **4-Chlorotoluene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Bromobenzene** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Bromochloromethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Bromodichloromethane** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |
| **Bromoform** | S-VOCGMS06 | 5.0 | µg/kg | **----** | ---- | **----** | ---- | <5.0 | ---- |

| Sub-Matrix: **WATER** | | | | Client sample ID | FB | | EB | | TB | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Laboratory sample ID | PR18D5162-031 | | PR18D5162-032 | | PR18D5162-033 | |
| | | | | Client sampling date / time | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | | 18-Dec-2018 00:00 | |
| *Parameter* | *Method* | *LOR* | *Unit* | | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Halogenated Volatile Organic Compounds - Continued** | | | | | | | | | | |
| **Bromomethane** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **Chlorobenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Chloroethane** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Chloroform** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Chloromethane** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **cis-1.2-Dichloroethene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **cis-1.3-Dichloropropene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Dibromochloromethane** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Dibromomethane** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Dichlorodifluoromethane** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Dichloromethane** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **Hexachlorobutadiene** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **Tetrachloroethene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Tetrachloromethane** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **trans-1.2-Dichloroethene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **trans-1.3-Dichloropropene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Trichloroethene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Vinyl chloride** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Non-Halogenated Volatile Organic Compounds** | | | | | | | | | | |
| **1.2.4-Trimethylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **1.3.5-Trimethylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **2-Butanone (MEK)** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **Isopropylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Methyl isobutyl ketone** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **Methyl tert-Butyl Ether (MTBE)** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **n-Butylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **n-Propylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **p-Isopropyltoluene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **sec-Butylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Styrene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **tert-Butyl alcohol** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |
| **tert-Butylbenzene** | S-VOCGMS06 | 5.0 | µg/kg | | ---- | ---- | ---- | ---- | <5.0 | ---- |
| **Polycyclic Aromatics Hydrocarbons (PAHs)** | | | | | | | | | | |
| **Naphthalene** | S-VOCGMS06 | 10 | µg/kg | | ---- | ---- | ---- | ---- | <10 | ---- |

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: Bendlova 1687/7 Ceska Lipa Czech Republic 470 01* | |
| 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 soil suspension in water, KCl, $CaCl_2$, $BaCl_2$. |
| *Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00* | |
| S-CR6-IC | CZ_SOP_D06_02_122 except chap. 10.1; 11.3.1; 12.2.1; 15.4 (CSN EN 15192, EPA 3060A) Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and trivalent chromium determination by calculation from measured values. |
| S-DRY-GRCI | CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values. |

| *Analytical Methods* | *Method Descriptions* |
|---|---|
| S-METAXHB1 | CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - 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, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - 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-TPHFID14 | CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 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-VOCGMS01 | 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)<br>Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic<br>compounds sums from measured values |
| S-VOCGMS06 | 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)<br>Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic<br>compounds sums from measured values |
| W-HG-AFSFXL | 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 fixed by nitric acid addition prior to analysis. |
| W-METAXFX1 | 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 fixed by nitric acid addition prior to analysis. |
| W-METAXFX2 | 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 fixed by nitric acid addition prior to analysis. |
| 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-TPHFID14 | 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 C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection |

| *Preparation Methods* | *Method Descriptions* |
|---|---|
| *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 |

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.