

Rámcová dohoda č. Z202313237_Z

predmet zákazky: "Špeciálny spotrebný materiál a inštalácia pre súbor prístrojov "

Objednávka č. 1

Dátum: 8.12.2023

Štátny geologický ústav Dionýza Štúra
Mlynská dolina 1, 817 04 Bratislava

Miesto dodania: Štátny geologický ústav Dionýza Štúra, regionálne centrum Spišská Nová Ves, Markušovská cesta 1, Spišská Nová Ves

Špeciálny spotrebný materiál a inštalácia pre súbor prístrojov pre potreby Projektu: Monitorovanie kvality podzemných vôd Slovenskej republiky, ITMS kód projektu: 310011CBI3

| Názov produktu | Množstvo | MJ | Jednot. cena v € bez DPH | Celková cena v € bez DPH | Sadzba DPH % | Výška DPH v € | Celková cena v € s DPH |
|---|----------|----------|--------------------------|--------------------------|--------------|---------------|------------------------|
| 1. Kvapalinový chromatograf na analýzu pesticidov - Agilent LC 1260 Infinity II System, Agilent Triple Quadrupole 6470 LC/MS | | | | | | | |
| 1.1 Analytická kolóna: InfinityLab Poroshell 120 EC-C18, 3.0x150 mm, 2.7 Micron with Colum ID | 1,00 | ks | 993,00 | 993,00 | 0,20 | 198,60 | 1 191,60 |
| 1.3 Additive deactivation, glyphosate analysis, 50ml | 1,00 | ks | 279,00 | 279,00 | 0,20 | 55,80 | 334,80 |
| 2. Plynový chromatograf Agilent GC 7890B, MSD 5977B, GERSTEL Twister® System | | | | | | | |
| 2.7 Vacuum pump oil mist filter, for use with MSD 5977B | 1,00 | ks | 391,00 | 391,00 | 0,20 | 78,20 | 469,20 |
| 2.8 Liner, UI, splitless, single taper, GW, 5/pk Ultra Inert deactivation with glass wool | 1,00 | ks | 183,00 | 183,00 | 0,20 | 36,60 | 219,60 |
| 2.9 DB-5MS Ultra Inert 30m, 0,25mm, 0,25um | 1,00 | ks | 791,00 | 791,00 | 0,20 | 158,20 | 949,20 |
| 2.10 Syringe, 10ul FN 23-26s/42/HP | 1,00 | ks | 59,00 | 59,00 | 0,20 | 11,80 | 70,80 |
| 2.11 10 µL syringe for Gerstel, fixed needle, gas tight (0.63/0.11/65/C) | 1,00 | ks | 99,00 | 99,00 | 0,20 | 19,80 | 118,80 |
| 2.12 Liner O-ring, non stick, 10/pk (balenie 10 ks) | 1,00 | bal/10ks | 20,00 | 20,00 | 0,20 | 4,00 | 24,00 |
| 2.13 DB-WAX 60m, 0.53mm, 1um | 1,00 | ks | 1 232,00 | 1 232,00 | 0,20 | 246,40 | 1 478,40 |
| 2.14 Gas clean - carrier gas filter oxygen/moisture | 1,00 | ks | 424,00 | 424,00 | 0,20 | 84,80 | 508,80 |
| 3. TEKMAR - AQUATek 100 Purge and Trap Autosampler, LUMIN - Stratum Purge and Trap Concentrator | | | | | | | |
| 3.1 5ml sparger, with frit, glass | 1,00 | ks | 178,00 | 178,00 | 0,20 | 35,60 | 213,60 |
| 3.3 Trap, VOCARB 3000 | 1,00 | ks | 371,00 | 371,00 | 0,20 | 74,20 | 445,20 |
| 4. Plynový chromatograf GC MS 6890N, Agilent | | | | | | | |

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|---|------|------------|----------|----------|------|--------|----------|
| 4.1 Filament, high temperature, electron ionization | 1,00 | ks | 215,00 | 215,00 | 0,20 | 43,00 | 258,00 |
| 4.2 Olejová vákuová pumpa Pfeiffer DUO3 | 1,00 | ks | 1 562,00 | 1 562,00 | 0,20 | 312,40 | 1 874,40 |
| 5. Systém na SPE extrakciu -Automated SmartPrep® Extractor (2018) | | | | | | | |
| 5.2 Waste Block Seal, pk/4 | 1,00 | ks | 479,00 | 479,00 | 0,20 | 95,80 | 574,80 |
| 5.3 Syringe Pump Service Kit | 1,00 | ks | 1 311,00 | 1 311,00 | 0,20 | 262,20 | 1 573,20 |
| 5.4 12-Port valve Service Kit (Rotor&Seal) | 1,00 | ks | 1 472,00 | 1 472,00 | 0,20 | 294,40 | 1 766,40 |
| 6. Optický emisný spektrometer s ICP 5110 Agilent | | | | | | | |
| 6.1 Peristaltic pump tubes, 2 bridged white/white, PVC, Length: 450mm, 1,02mm ID, 12/pk. (balenie 12ks) | 1,00 | bal/12ks | 57,00 | 57,00 | 0,20 | 11,40 | 68,40 |
| 6.2 Peristaltic pump tubes, 2 bridged blue/blue, PVC, Length: 450mm, 1,65mm ID, 12/pk. (balenie 12ks) | 1,00 | bal/12ks | 57,00 | 57,00 | 0,20 | 11,40 | 68,40 |
| 6.3 Seaspray concentric nebulizer glass, sample connection: U-Series, gas connector: EzyLok, UniFit sample connector (0.75 mm id x 700mm) | 1,00 | ks | 1 334,00 | 1 334,00 | 0,20 | 266,80 | 1 600,80 |
| 6.4 Double-pass spray chamber, glass cyclonic, glass, Outlet type: Ball joint, UniFit drain fitting, Helix nebulizer fitting. | 1,00 | ks | 1 209,00 | 1 209,00 | 0,20 | 241,80 | 1 450,80 |
| 6.9 Replacement calcium fluoride glass for the radial view pre-optics window assembly used with the 5100 ICP-OES, 1/pk. | 1,00 | ks | 336,00 | 336,00 | 0,20 | 67,20 | 403,20 |
| 6.12 Air filter for recirculation cooler G3292. | 1,00 | ks | 93,00 | 93,00 | 0,20 | 18,60 | 111,60 |
| 6.13 Peristaltic pump tubes, 2 bridged black/black, Solvaflex, Length: 450mm, 0.76 mm, 12/pk. (balenie 12ks) | 1,00 | bal/12ks | 83,00 | 83,00 | 0,20 | 16,60 | 99,60 |
| 6.14 Inlet fitting for OneNeb Series 2 with sample capillary tubing 0.5mm id x 1/16 inch od x 750mm long | 1,00 | ks | 124,00 | 124,00 | 0,20 | 24,80 | 148,80 |
| 6.15 OneNeb Series 2, inert ICP nebulizer 1/p | 1,00 | ks | 1 219,00 | 1 219,00 | 0,20 | 243,80 | 1 462,80 |
| 6.16 O-ring replacement for axial view pre-optics window assembly 0.799 inch ID | 1,00 | ks | 69,00 | 69,00 | 0,20 | 13,80 | 82,80 |
| 7. Optický emisný spektrometer s ICP MS 7900, Agilent | | | | | | | |
| 7.1 Sampler cone, Nickel plated Copper, Tip material: Ni, Tip diameter: 12mm | 1,00 | ks | 1 047,00 | 1 047,00 | 0,20 | 209,40 | 1 256,40 |
| 7.2 Skimmer cone, Platinum-tip with Nickel base, x-lens. | 1,00 | ks | 3 429,00 | 3 429,00 | 0,20 | 685,80 | 4 114,80 |
| 7.3 Polyprop. tubes 16mm od x 125mm, 1000/pk (balenie 1000ks) | 1,00 | bal/1000ks | 211,00 | 211,00 | 0,20 | 42,20 | 253,20 |
| 7.4 Spray Chamber for Ultra High Matrix Introduction | 1,00 | ks | 1 059,00 | 1 059,00 | 0,20 | 211,80 | 1 270,80 |
| 7.5 Spray chamber locking ring. | 1,00 | ks | 26,00 | 26,00 | 0,20 | 5,20 | 31,20 |
| 7.6 Tubing for drainage (4.0 mm id, 2.5 m). Tubing between peristaltic pump tubing and drain tank | 1,00 | ks | 124,00 | 124,00 | 0,20 | 24,80 | 148,80 |

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| 7.7 Tygon tubing (3m), for ICP-MS. Replacement tubing from drain to drain tank used with Agilent ICP-MS | 1,00 | ks | 135,00 | 135,00 | 0,20 | 27,00 | 162,00 |
| 7.10 Graphite sealing ring for sampling cone (3/pk) (balenie 3ks) | 1,00 | bal/3ks | 93,00 | 93,00 | 0,20 | 18,60 | 111,60 |
| 7.11 Standard torch, quartz, one piece 2.5mm ID | 1,00 | ks | 691,00 | 691,00 | 0,20 | 138,20 | 829,20 |
| 7.12 Shield Torch bonnet, quartz | 1,00 | ks | 379,00 | 379,00 | 0,20 | 75,80 | 454,80 |
| 7.13 MicroMist standard nebulizer, glass, U-series | 1,00 | ks | 1 060,00 | 1 060,00 | 0,20 | 212,00 | 1 272,00 |
| 7.15 MicroFlow nebulizer, inert PFA | 1,00 | ks | 2 457,00 | 2 457,00 | 0,20 | 491,40 | 2 948,40 |
| 8. Automatizovaný systém na stanovenie CHSK(Mn) - MATi 13, Metrohm AG | | | | | | | |
| 8.1 Termostatovaná titračná nádobka 20-90 ml | 1,00 | ks | 757,90 | 757,90 | 0,20 | 151,58 | 909,48 |
| 8.3 Kombinovaná Pt elektróda Pt titrode | 1,00 | ks | 685,90 | 685,90 | 0,20 | 137,18 | 823,08 |
| 8.4 Sklenený Pt1000 termočlánok pre titračnú nádobku | 1,00 | ks | 390,30 | 390,30 | 0,20 | 78,06 | 468,36 |
| 8.5 Titračná špička s mikroventilom | 1,00 | ks | 435,80 | 435,80 | 0,20 | 87,16 | 522,96 |
| 8.6 Sklenený cylinder 50 ml s keramickým ventilom pre 50 ml DU | 1,00 | ks | 770,50 | 770,50 | 0,20 | 154,10 | 924,60 |
| 8.7 Sklenený cylinder 10 ml s keramickým ventilom pre 10 ml DU | 1,00 | ks | 770,50 | 770,50 | 0,20 | 154,10 | 924,60 |
| 8.8 Kvapalina do termostatu Julabo Thermal H10 (-20 ... 180 °C), 1 liter | 1,00 | liter | 669,50 | 669,50 | 0,20 | 133,90 | 803,40 |
| 9. Iónový chromatograf - IC 940 Professional Vario, Metrohm AG | | | | | | | |
| 9.1 Hadička na Ultrafiltráciu - surová vzorka | 1,00 | ks | 44,20 | 44,20 | 0,20 | 8,84 | 53,04 |
| 9.2 Hadička na Ultrafiltráciu - filtrát | 1,00 | ks | 44,20 | 44,20 | 0,20 | 8,84 | 53,04 |
| 9.3 Filter na Ultrafiltráciu (50 ks v balení) | 1,00 | bal/50 ks | 588,60 | 588,60 | 0,20 | 117,72 | 706,32 |
| 9.4 Inline filter (10 ks v balení) | 1,00 | bal/10 ks | 24,00 | 24,00 | 0,20 | 4,80 | 28,80 |
| 9.5 Aspiračný filter (5 ks v balení) | 1,00 | bal/5 ks | 12,60 | 12,60 | 0,20 | 2,52 | 15,12 |
| 9.6 Náplň do CO2 suppressoru | 1,00 | ks | 195,80 | 195,80 | 0,20 | 39,16 | 234,96 |
| 9.7 Piest na IC pumpu | 1,00 | ks | 389,10 | 389,10 | 0,20 | 77,82 | 466,92 |
| 9.8 Tesnenie na IC pumpu | 1,00 | ks | 186,90 | 186,90 | 0,20 | 37,38 | 224,28 |
| 9.10 Metrosep A Supp 5 Guard/4.0 | 1,00 | ks | 380,20 | 380,20 | 0,20 | 76,04 | 456,24 |
| 9.11 Hadička na regeneráciu MSM | 1,00 | ks | 44,20 | 44,20 | 0,20 | 8,84 | 53,04 |
| 9.17 Hadička na podávač peek | 1,00 | ks | 44,20 | 44,20 | 0,20 | 8,84 | 53,04 |
| 9.18 Kapilára na inline riedenie 11mm | 1,00 | ks | 445,90 | 445,90 | 0,20 | 89,18 | 535,08 |
| 9.19 Coupling sec. Olive | 1,00 | ks | 154,10 | 154,10 | 0,20 | 30,82 | 184,92 |
| 9.20 Coupling Screw | 1,00 | ks | 74,50 | 74,50 | 0,20 | 14,90 | 89,40 |
| 9.21 Supresor | 1,00 | ks | 1 351,60 | 1 351,60 | 0,20 | 270,32 | 1 621,92 |
| 10. Spektrofotometer - Haach DR 5000, DR 6000 | | | | | | | |
| 10.2 Deutériová lampka | 1,00 | ks | 1 932,00 | 1 932,00 | 0,20 | 386,40 | 2 318,40 |

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| 11. Automatický titrátor TitroLine 7000 | | | | | | | |
| 11.1 Metal combination electrode Pt 62 | 1,00 | ks | 370,00 | 370,00 | 0,20 | 74,00 | 444,00 |
| 11.2 Coaxial electrode plug, 1 m coaxial cable, DIN instrument plug L1A | 1,00 | ks | 112,00 | 112,00 | 0,20 | 22,40 | 134,40 |
| 11.3 3/2-way valve | 1,00 | ks | 342,00 | 342,00 | 0,20 | 68,40 | 410,40 |
| | | | | 36 567,50 | | | 43 881,00 |