Electronic Supplementary Material (ESI) for ChemComm. This journal is © The Royal Society of Chemistry 2016

Supporting Information.

The Transformation of Polyoxometalate in the Formation of

Intercluster Compound [Ag₄₁(α-

$SiW_{10}O_{37})(^{t}BuC \equiv C)_{27}(CH_3CN)_3][\beta - SiW_{12}O_{40}]$

Kuan-Guan Liu, Xi-Yan Liu, Zong-Jie Guan, Kang Shi*, Yu-Mei Lin* and Quan-Ming Wang

State Key Lab of Physical Chemistry of Solid Surfaces, Department of Chemistry, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, Fujian 361005, P. R. China kshi@xmu.edu.cn; linyum@xmu.edu.cn

Materials and Methods.

All reagents and solvents employed were commercially available and used as received. Energy-dispersive X-ray spectroscopy (EDS) was performed on a Hitachi S-4800 scanning electron microscope operating at 20 kV for (Ag and W) and a CE instruments EA 1110 elemental analyzer for (C, H, and N). IR spectra were recorded from KBr pellets in the range 4000-400 cm⁻¹ with a Nicolet AVATAR FT-IR360 spectrometer.

X-ray Crystallography. Intensity data of **1** were collected on Agilent SuperNova diffractometer with a molybdenum microfocus X-ray source at 173(2) K. Absorption corrections were applied by using the program CrysAlis (multi-scan). The structures were solved by direct methods. All non-hydrogen atoms were refined anisotropically by least-squares on *F*2 using the SHELXTL program. The hydrogen atoms of organic ligands were generated geometrically, while no attempt was made to locate hydrogen atoms of water.

Characterization



Fig. S1. IR spectra of complex 1 and $(n-Bu_4N)_4[\gamma-SiW_{10}(H_2O)_2O_{34}]$.



Fig. S2. (a) The core structure of $[(\alpha$ -SiW₁₀O₃₇)@Ag₄₁] (The ligands are not shown for clarity); (b) A cap-like (WO₆)@Ag₁₃ cluster; (c) A cup-like (SiW₉O₃₄)@Ag₂₈ cluster with pseudo-*C*₃symmetric axis (View along the symmetric axis). Polyhedral Representation Code: Tetrahedron (green), SiO₄; Octahedron (blue, red or cyan), WO₄.



Fig. S3. Cyclic voltammogram of $AgBF_4$ in O_2 free [BMIm]BF₄ electrolyte under N_2 environment at a scan rate of 0.05 Vs⁻¹.



Fig. S4 Linear sweep voltammograme of compound 1 in the degassed CH_3CN solution containing 0.1 M Bu_4NClO_4 at a scan rate of 0.05 V/s. Compound 1 was grinded on glassy carbon electrode.

Compound	1
Chemical formula	C ₁₇₆ H ₂₆₄ O ₇₈ N ₇ Si ₂ W ₂₂ Ag ₄₁
fw	<mark>12251.24</mark>
Crystal system	Triclinic
Space group	P <mark>-1</mark>
<i>a</i> , Á	20.0748(4)
b, Å	26.1979(6)
<i>c</i> , Á	28.8126(6)
α , deg	104.876(2)
β , deg	90.485(2)
γ, deg	92.908(2)
<i>V</i> , Å ³	14622.7(5)
Ζ	2
$ ho_{\rm calc},{ m g/cm^3}$	2.782
μ , mm ⁻¹	11.350
Reflections collected	94267
Independent reflections	51270
R _{int}	0.0670
Reflections $I > 2\sigma(I)$	51270
Parameters	2942
GOF on F ²	1.030
$R_1^{a} / w R_2^{b} (I > 2\sigma(I))$	0.0689 / 0.1698
R_1^{a}/wR_2^{b} (all)	0.0989 / 0.1907

Table S1.Crystal data for Cluster 1.

^a R₁ = [Σ abs(abs(Fo) - abs(Fc))]/ [Σ abs(Fo)]. ^b wR2 = [Σ (w(Fo² - Fc²)²)/ Σ [w(Fo²)²]^{0.5}.

Bond lengths					
Ag(1)-Ag(2)	2.880(3)	Ag(6)-Ag(13)	2.910(2)	Ag(25)-Ag(33)	3.070(2)
Ag(1)-Ag(4)	2.957(2)	Ag(6)-Ag(40)	2.981(3)	Ag(26)-Ag(39)	3.0178(19)
Ag(1)-Ag(9)	3.052(2)	Ag(7)-Ag(14)	3.010(2)	Ag(26)-Ag(27)	3.019(2)
Ag(1)-Ag(11)	3.329(3)	Ag(7)-Ag(16)	3.144(2)	Ag(27)-Ag(38)	3.005(2)
Ag(2)-Ag(3)	3.073(2)	Ag(7)-Ag(40)	3.365(2)	Ag(27)-Ag(37)	3.0663(19)
Ag(2)-Ag(9)	3.137(2)	Ag(8)-Ag(14)	2.968(2)	Ag(28)-Ag(30)	3.022(2)
Ag(2)-Ag(10)	3.160(2)	Ag(8)-Ag(15)	3.234(2)	Ag(29)-Ag(31)	3.0894(19)
Ag(2)-Ag(12)	3.228(2)	Ag(10)-Ag(13)	3.0088(19)	Ag(29)-Ag(37)	3.364(2)
Ag(3)-Ag(40)	2.932(2)	Ag(10)-Ag(19)	3.3572(19)	Ag(30)-Ag(31)	3.079(2)
Ag(3)-Ag(9)	2.950(3)	Ag(11)-Ag(20)	3.051(2)	Ag(31)-Ag(36)	2.7628(18)
Ag(3)-Ag(10)	3.028(2)	Ag(11)-Ag(18)	3.213(2)	Ag(32)-Ag(34)	2.9598(18)
Ag(3)-Ag(6)	3.075(2)	Ag(12)-Ag(20)	2.851(2)	Ag(33)-Ag(34)	3.010(3)
Ag(4)-Ag(5)	2.952(2)	Ag(12)-Ag(21)	3.159(2)	Ag(34)-Ag(36)	2.957(2)
Ag(4)-Ag(11)	3.1843(19)	Ag(15)-Ag(24)	3.3284(18)	Ag(34)-Ag(35)	3.013(2)
Ag(4)-Ag(9)	3.195(3)	Ag(21)-Ag(22)	3.3015(19)	Ag(35)-Ag(37)	3.016(2)
Ag(4)-Ag(8)	3.2005(19)	Ag(22)-Ag(23)	3.2870(18)	Ag(35)-Ag(39)	3.103(2)
Ag(5)-Ag(40)	2.971(3)	Ag(23)-Ag(33)	2.8420(19)	Ag(36)-Ag(37)	3.292(2)
Ag(5)-Ag(7)	2.9980(18)	Ag(23)-Ag(32)	2.983(2)	Ag(37)-Ag(38)	2.886(3)
Ag(5)-Ag(9)	3.030(2)	Ag(24)-Ag(28)	3.1020(18)	Ag(38)-Ag(39)	2.940(3)
Ag(5)-Ag(8)	3.050(2)	Ag(25)-Ag(39)	3.039(2)	Ag(9)-O(45)	2.297(9)
Ag(9)-O(52)	2.487(12)	Ag(21)-O(64)	2.467(11)	Ag(31)-O(77)	2.380(13)
Ag(9)-O(75)	2.552(9)	Ag(27)-O(53)	2.402(10)	Ag(31)-O(65)	2.534(11)
Ag(14)-O(76)	2.521(9)	Ag(27)-O(66)	2.488(13)	Ag(32)-O(57)	2.459(9)
Ag(15)-O(71)	2.493(10)	Ag(29)-O(53)	2.285(12)	Ag(32)-O(65)	2.552(12)
Ag(16)-O(67)	2.409(10)	Ag(29)-O(70)	2.409(11)	Ag(35)-O(74)	2.598(10)
Ag(18)-O(72)	2.528(11)	Ag(29)-O(66)	2.459(10)	Ag(28)-N(3)	2.147(16)
Ag(20)-O(58)	2.508(9)	Ag(31)-O(57)	2.372(12)	Ag(38)-N(5)	2.24(2)
Si(1)-O(4)	1.598(13)	W(8)-O(30)	1.702(15)	W(15)-O(67)	1.726(9)
Si(1)-O(1)	1.621(11)	W(8)-O(27)	1.870(14)	W(15)-O(66)	1.762(9)
Si(1)-O(2)	1.640(10)	W(8)-O(5)	1.899(12)	W(15)-O(49)	1.929(12)
Si(1)-O(3)	1.645(13)	W(8)-O(31)	1.903(11)	W(15)-O(76)	1.952(12)
W(1)-O(9)	1.677(15)	W(8)-O(32)	1.950(12)	W(15)-O(48)	2.188(10)
W(1)-O(5)	1.910(13)	W(8)-O(3)	2.343(13)	W(15)-O(42)	2.244(8)
W(1)-O(8)	1.926(12)	W(9)-O(33)	1.722(10)	W(16)-O(71)	1.744(13)
W(1)-O(7)	1.929(16)	W(9)-O(24)	1.901(12)	W(16)-O(70)	1.759(9)
W(1)-O(6)	1.929(12)	W(9)-O(34)	1.906(13)	W(16)-O(68)	1.903(9)
W(1)-O(1)	2.354(13)	W(9)-O(35)	1.923(12)	W(16)-O(76)	1.935(10)
W(2)-O(13)	1.706(14)	W(9)-O(31)	1.943(15)	W(16)-O(55)	2.156(9)
W(2)-O(10)	1.920(14)	W(9)-O(3)	2.333(11)	W(16)-O(42)	2.214(11)
W(2)-O(7)	1.921(15)	W(10)-O(36)	1.688(14)	W(17)-O(72)	1.691(12)
W(2)-O(12)	1.934(11)	W(10)-O(14)	1.907(12)	W(17)-O(77)	1.736(10)

 Table S2. Selected bonds lengths [Å] for 1.

W(2)-O(1) 2.329(13) W(10)-O(34) 1.919(13) W(17)-O(58) 1.921(10) W(3)-O(16) 1.717(12) W(10)-O(32) 1.920(15) W(17)-O(73) 2.124(10) W(3)-O(15) 1.894(13) W(10)-O(3) 2.330(11) W(17)-O(43) 2.323(11) W(3)-O(14) 1.898(13) W(11)-O(39) 1.703(10) W(18)-O(64) 1.742(9) W(3)-O(1) 1.918(15) W(11)-O(37) 1.884(13) W(18)-O(65) 1.773(10) W(3)-O(1) 2.371(11) W(11)-O(15) 1.952(12) W(18)-O(58) 1.941(13) W(4)-O(10) 1.702(15) W(11)-O(4) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(11) 1.843(13) W(11)-O(4) 2.330(9) W(18)-O(46) 1.914(11) W(4)-O(11) 1.843(13) W(12)-O(40) 1.705(12) W(19)-O(61) 1.735(11) W(4)-O(11) 1.933(11) W(12)-O(29) 1.907(10) W(19)-O(64) 1.914(11) W(4)-O(12) 1.933(13) W(12)-O(18) 1.884(12) W(19)-O(62) 1.976(9)	W(2)-O(11)	1.973(14)	W(10)-O(37)	1.918(13)	W(17)-O(68)	1.903(9)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(2)-O(1)	2.329(13)	W(10)-O(34)	1.919(13)	W(17)-O(58)	1.921(10)																																																																																																																																												
W(3)-O(15) 1.894(13) W(10)-O(3) 2.330(11) W(17)-O(43) 2.323(11) W(3)-O(14) 1.898(13) W(11)-O(39) 1.703(10) W(18)-O(64) 1.742(9) W(3)-O(10) 1.918(15) W(11)-O(37) 1.884(13) W(18)-O(65) 1.773(10) W(3)-O(10) 1.918(15) W(11)-O(38) 1.933(10) W(18)-O(65) 1.903(11) W(3)-O(1) 2.371(11) W(11)-O(15) 1.952(12) W(18)-O(58) 1.941(13) W(4)-O(20) 1.702(15) W(11)-O(14) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(11) 1.843(13) W(11)-O(14) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(17) 1.933(11) W(12)-O(40) 1.705(12) W(19)-O(61) 1.735(11) W(4)-O(18) 1.943(11) W(12)-O(18) 1.889(13) W(19)-O(62) 1.930(9) W(4)-O(14) 2.371(13) W(12)-O(28) 1.925(10) W(19)-O(44) 2.327(11) W(4)-O(21) 1.902(12) Si(2)-O(44) 1.611(12) W(20)-O(51) 1.817(9) W(5)-O(21) 1.934(14) Si(2)-O(44) 1.621(9) W(20)-O(W(3)-O(16)	1.717(12)	W(10)-O(32)	1.920(15)	W(17)-O(73)	2.124(10)																																																																																																																																												
W(3)-O(14) 1.898(13) W(11)-O(39) 1.703(10) W(18)-O(64) 1.742(9) W(3)-O(8) 1.909(13) W(11)-O(37) 1.884(13) W(18)-O(65) 1.773(10) W(3)-O(1) 1.918(15) W(11)-O(38) 1.933(10) W(18)-O(65) 1.903(11) W(3)-O(1) 2.371(11) W(11)-O(19) 1.943(13) W(18)-O(58) 1.941(13) W(4)-O(20) 1.702(15) W(11)-O(15) 1.952(12) W(18)-O(59) 2.179(9) W(4)-O(11) 1.843(13) W(11)-O(4) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(11) 1.843(13) W(11)-O(4) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(11) 1.933(11) W(12)-O(40) 1.705(12) W(19)-O(61) 1.735(11) W(4)-O(12) 1.933(11) W(12)-O(18) 1.889(13) W(19)-O(64) 1.914(11) W(4)-O(4) 2.373(13) W(12)-O(29) 1.907(10) W(19)-O(62) 1.976(9) W(5)-O(2) 1.920(12) Si(2)-O(44) 1.611(12) W(20)-O(60) 1.757(11) W(5)-O(2) 1.916(16) Si(2)-O(44) 1.621(9) W(20)-O(51) <td>W(3)-O(15)</td> <td>1.894(13)</td> <td>W(10)-O(3)</td> <td>2.330(11)</td> <td>W(17)-O(43)</td> <td>2.323(11)</td>	W(3)-O(15)	1.894(13)	W(10)-O(3)	2.330(11)	W(17)-O(43)	2.323(11)																																																																																																																																												
W(3)-O(8) $1.909(13)$ $W(11)-O(37)$ $1.884(13)$ $W(18)-O(65)$ $1.773(10)$ $W(3)-O(10)$ $1.918(15)$ $W(11)-O(38)$ $1.933(10)$ $W(18)-O(46)$ $1.903(11)$ $W(3)-O(1)$ $2.371(11)$ $W(11)-O(19)$ $1.943(13)$ $W(18)-O(58)$ $1.941(13)$ $W(4)-O(20)$ $1.702(15)$ $W(11)-O(15)$ $1.952(12)$ $W(18)-O(59)$ $2.179(9)$ $W(4)-O(11)$ $1.843(13)$ $W(11)-O(4)$ $2.330(9)$ $W(18)-O(43)$ $2.217(8)$ $W(4)-O(19)$ $1.903(11)$ $W(12)-O(40)$ $1.705(12)$ $W(19)-O(61)$ $1.735(11)$ $W(4)-O(17)$ $1.933(11)$ $W(12)-O(25)$ $1.884(12)$ $W(19)-O(64)$ $1.914(11)$ $W(4)-O(18)$ $1.943(11)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(69)$ $1.930(9)$ $W(4)-O(14)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(64)$ $1.976(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(64)$ $1.976(9)$ $W(5)-O(24)$ $1.992(12)$ $Si(2)-O(44)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(21)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(21)$ $1.993(14)$ $Si(2)-O(44)$ $1.637(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(21)$ $1.934(14)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(22)$ $1.986(13)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(24)$ $1.925(11)$ <	W(3)-O(14)	1.898(13)	W(11)-O(39)	1.703(10)	W(18)-O(64)	1.742(9)																																																																																																																																												
W(3)-O(10) 1.918(15) W(11)-O(38) 1.933(10) W(18)-O(46) 1.903(11) W(3)-O(1) 2.371(11) W(11)-O(19) 1.943(13) W(18)-O(58) 1.941(13) W(4)-O(20) 1.702(15) W(11)-O(15) 1.952(12) W(18)-O(59) 2.179(9) W(4)-O(11) 1.843(13) W(11)-O(4) 2.330(9) W(18)-O(43) 2.217(8) W(4)-O(17) 1.933(11) W(12)-O(40) 1.705(12) W(19)-O(61) 1.735(11) W(4)-O(17) 1.933(11) W(12)-O(25) 1.884(12) W(19)-O(60) 1.914(11) W(4)-O(4) 2.373(13) W(12)-O(29) 1.907(10) W(19)-O(62) 1.976(9) W(5)-O(23) 1.708(13) W(12)-O(48) 1.892(10) W(19)-O(64) 2.327(11) W(5)-O(21) 1.902(12) Si(2)-O(44) 1.611(12) W(20)-O(60) 1.757(11) W(5)-O(21) 1.934(14) Si(2)-O(42) 1.637(9) W(20)-O(49) 1.885(11) W(5)-O(2) 1.914(14) Si(2)-O(41) 1.652(8) W(20)-O(44) 2.382(10) W(6)-O(24) 1.986(13) W(13)-O(55) 1.827(9) W(20)-O(5	W(3)-O(8)	1.909(13)	W(11)-O(37)	1.884(13)	W(18)-O(65)	1.773(10)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(3)-O(10)	1.918(15)	W(11)-O(38)	1.933(10)	W(18)-O(46)	1.903(11)																																																																																																																																												
W(4)-O(20) $1.702(15)$ $W(11)-O(15)$ $1.952(12)$ $W(18)-O(59)$ $2.179(9)$ $W(4)-O(11)$ $1.843(13)$ $W(11)-O(4)$ $2.330(9)$ $W(18)-O(43)$ $2.217(8)$ $W(4)-O(19)$ $1.903(11)$ $W(12)-O(40)$ $1.705(12)$ $W(19)-O(61)$ $1.735(11)$ $W(4)-O(17)$ $1.933(11)$ $W(12)-O(35)$ $1.884(12)$ $W(19)-O(50)$ $1.843(9)$ $W(4)-O(18)$ $1.943(11)$ $W(12)-O(18)$ $1.889(13)$ $W(19)-O(66)$ $1.914(11)$ $W(4)-O(4)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(62)$ $1.976(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(4)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(12)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(12)$ $1.902(12)$ $Si(2)-O(44)$ $1.621(9)$ $W(20)-O(69)$ $1.885(11)$ $W(5)-O(2)$ $1.919(16)$ $Si(2)-O(44)$ $1.621(9)$ $W(20)-O(69)$ $1.905(9)$ $W(5)-O(2)$ $1.991(16)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(64)$ $1.885(11)$ $W(5)-O(2)$ $1.934(14)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(2)$ $1.698(13)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(75)$ $1.79(10)$ $W(6)-O(21)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(51)$ $2.063(9)$ $W(6)-O(22)$ $1.934(16)$ <td< td=""><td>W(3)-O(1)</td><td>2.371(11)</td><td>W(11)-O(19)</td><td>1.943(13)</td><td>W(18)-O(58)</td><td>1.941(13)</td></td<>	W(3)-O(1)	2.371(11)	W(11)-O(19)	1.943(13)	W(18)-O(58)	1.941(13)																																																																																																																																												
W(4)-O(11) $1.843(13)$ $W(11)-O(4)$ $2.330(9)$ $W(18)-O(43)$ $2.217(8)$ $W(4)-O(19)$ $1.903(11)$ $W(12)-O(40)$ $1.705(12)$ $W(19)-O(61)$ $1.735(11)$ $W(4)-O(17)$ $1.933(11)$ $W(12)-O(35)$ $1.884(12)$ $W(19)-O(61)$ $1.735(11)$ $W(4)-O(18)$ $1.943(11)$ $W(12)-O(18)$ $1.889(13)$ $W(19)-O(46)$ $1.914(11)$ $W(4)-O(4)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(69)$ $1.930(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(64)$ $2.327(11)$ $W(5)-O(2)$ $1.902(12)$ $Si(2)-O(4)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(2)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(2)$ $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(51)$ $1.817(9)$ $W(5)-O(2)$ $1.914(14)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(69)$ $1.995(9)$ $W(5)-O(2)$ $1.934(14)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(75)$ $2.026(9)$ $W(21)-O(57)$ $1.779(10)$ $W(6)-O(24)$ $1.925(11)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(51)$ $2.063(9)$ $W(7)-O(28)$ $1.790(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(53)$ $1.841(10)$ $W(7)-O(28)$ $1.920(12)$	W(4)-O(20)	1.702(15)	W(11)-O(15)	1.952(12)	W(18)-O(59)	2.179(9)																																																																																																																																												
W(4)-O(19) $1.903(11)$ $W(12)-O(40)$ $1.705(12)$ $W(19)-O(61)$ $1.735(11)$ $W(4)-O(17)$ $1.933(11)$ $W(12)-O(35)$ $1.884(12)$ $W(19)-O(50)$ $1.843(9)$ $W(4)-O(18)$ $1.943(11)$ $W(12)-O(18)$ $1.889(13)$ $W(19)-O(69)$ $1.930(9)$ $W(4)-O(4)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(62)$ $1.976(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(38)$ $1.925(10)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(6)$ $1.892(15)$ $W(12)-O(4)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(12)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(2)$ $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $1.934(14)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(69)$ $1.905(9)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(56)$ $1.742(11)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(25)$ $1.884(17)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(75)$ $2.026(9)$ $W(21)-O(57)$ $1.779(10)$ $W(6)-O(27)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(50)$ $2.067(10)$ $W(6)-O(28)$ $1.709(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(50)$ $2.067(10)$ $W(7)-O(28)$ $1.709(16)$ $W(14)-O(48)$ $1.796(10)$ $W(22)-O(62)$ $1.885(11)$ $W(7)-O(29)$ $1.928(11)$ </td <td>W(4)-O(11)</td> <td>1.843(13)</td> <td>W(11)-O(4)</td> <td>2.330(9)</td> <td>W(18)-O(43)</td> <td>2.217(8)</td>	W(4)-O(11)	1.843(13)	W(11)-O(4)	2.330(9)	W(18)-O(43)	2.217(8)																																																																																																																																												
W(4)-O(17) $1.933(11)$ $W(12)-O(35)$ $1.884(12)$ $W(19)-O(50)$ $1.843(9)$ $W(4)-O(18)$ $1.943(11)$ $W(12)-O(18)$ $1.889(13)$ $W(19)-O(60)$ $1.914(11)$ $W(4)-O(4)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(60)$ $1.930(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(62)$ $1.976(9)$ $W(5)-O(6)$ $1.892(15)$ $W(12)-O(4)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(12)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(22)$ $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(21)$ $1.934(14)$ $Si(2)-O(42)$ $1.637(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $2.345(10)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $2.345(10)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(73)$ $1.835(10)$ $W(21)-O(74)$ $1.747(11)$ $W(6)-O(24)$ $1.925(11)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(53)$ $1.804(10)$ $W(6)-O(21)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(50)$ $2.067(10)$ $W(6)-O(22)$ $1.943(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(50)$ $2.067(10)$ $W(7)-O(28)$ $1.709(16)$ <	W(4)-O(19)	1.903(11)	W(12)-O(40)	1.705(12)	W(19)-O(61)	1.735(11)																																																																																																																																												
W(4)-O(18) $1.943(11)$ $W(12)-O(18)$ $1.889(13)$ $W(19)-O(46)$ $1.914(11)$ $W(4)-O(4)$ $2.373(13)$ $W(12)-O(29)$ $1.907(10)$ $W(19)-O(69)$ $1.930(9)$ $W(5)-O(23)$ $1.708(13)$ $W(12)-O(38)$ $1.925(10)$ $W(19)-O(62)$ $1.976(9)$ $W(5)-O(6)$ $1.892(15)$ $W(12)-O(4)$ $2.359(11)$ $W(19)-O(44)$ $2.327(11)$ $W(5)-O(12)$ $1.902(12)$ $Si(2)-O(44)$ $1.611(12)$ $W(20)-O(60)$ $1.757(11)$ $W(5)-O(22)$ $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(51)$ $1.817(9)$ $W(5)-O(21)$ $1.934(14)$ $Si(2)-O(42)$ $1.637(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $2.345(10)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(69)$ $1.905(9)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(56)$ $1.742(11)$ $W(20)-O(54)$ $1.986(9)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(73)$ $1.835(10)$ $W(21)-O(74)$ $1.747(11)$ $W(6)-O(21)$ $1.925(11)$ $W(13)-O(75)$ $2.026(9)$ $W(21)-O(57)$ $1.779(10)$ $W(6)-O(27)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(53)$ $1.804(10)$ $W(7)-O(28)$ $1.709(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(53)$ $1.751(9)$ $W(7)-O(25)$ $1.920(12)$ $W(14)-O(75)$ $1.941(12)$ $W(22)-O(62)$ $1.885(11)$ $W(7)-O(29)$ $1.928(11)$ $W(14)-O(75)$ $1.941(12)$ $W(22)-O(62)$ $1.885(11)$ $W(7)-O(29)$ $1.928(11)$ </td <td>W(4)-O(17)</td> <td>1.933(11)</td> <td>W(12)-O(35)</td> <td>1.884(12)</td> <td>W(19)-O(50)</td> <td>1.843(9)</td>	W(4)-O(17)	1.933(11)	W(12)-O(35)	1.884(12)	W(19)-O(50)	1.843(9)																																																																																																																																												
W(4)-O(4)2.373(13) $W(12)$ -O(29)1.907(10) $W(19)$ -O(69)1.930(9) $W(5)$ -O(23)1.708(13) $W(12)$ -O(38)1.925(10) $W(19)$ -O(62)1.976(9) $W(5)$ -O(6)1.892(15) $W(12)$ -O(4)2.359(11) $W(19)$ -O(44)2.327(11) $W(5)$ -O(12)1.902(12) $Si(2)$ -O(44)1.611(12) $W(20)$ -O(60)1.757(11) $W(5)$ -O(22)1.919(16) $Si(2)$ -O(43)1.621(9) $W(20)$ -O(51)1.817(9) $W(5)$ -O(21)1.934(14) $Si(2)$ -O(42)1.637(9) $W(20)$ -O(69)1.905(9) $W(5)$ -O(2)2.345(10) $Si(2)$ -O(41)1.652(8) $W(20)$ -O(69)1.905(9) $W(6)$ -O(26)1.698(13) $W(13)$ -O(56)1.742(11) $W(20)$ -O(44)2.382(10) $W(6)$ -O(21)1.916(12) $W(13)$ -O(73)1.835(10) $W(21)$ -O(74)1.747(11) $W(6)$ -O(21)1.925(11) $W(13)$ -O(75)2.026(9) $W(21)$ -O(57)1.779(10) $W(6)$ -O(27)1.943(16) $W(13)$ -O(75)2.035(10) $W(21)$ -O(51)2.063(9) $W(7)$ -O(28)1.709(16) $W(14)$ -O(47)1.782(9) $W(21)$ -O(50)2.067(10) $W(7)$ -O(25)1.900(15) $W(14)$ -O(75)1.941(12) $W(22)$ -O(62)1.885(11) $W(7)$ -O(22)1.922(12) $W(14)$ -O(75)1.941(12) $W(22)$ -O(62)1.885(11) $W(7)$ -O(29)1.928(11) $W(14)$ -O(75)1.941(12) $W(22)$ -O(62)1.885(11) $W(7)$ -O(29)1.928(11) $W(14)$ -O(75)2.002(10) $W(22)$ -O(45)1.967(10) <tr <="" td=""><td>W(4)-O(18)</td><td>1.943(11)</td><td>W(12)-O(18)</td><td>1.889(13)</td><td>W(19)-O(46)</td><td>1.914(11)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(4)-O(4)</td><td>2.373(13)</td><td>W(12)-O(29)</td><td>1.907(10)</td><td>W(19)-O(69)</td><td>1.930(9)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(5)-O(23)</td><td>1.708(13)</td><td>W(12)-O(38)</td><td>1.925(10)</td><td>W(19)-O(62)</td><td>1.976(9)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(5)-O(6)</td><td>1.892(15)</td><td>W(12)-O(4)</td><td>2.359(11)</td><td>W(19)-O(44)</td><td>2.327(11)</td></tr> <tr><td>W(5)-O(22)$1.919(16)$$Si(2)-O(43)$$1.621(9)$$W(20)-O(51)$$1.817(9)$$W(5)-O(21)$$1.934(14)$$Si(2)-O(42)$$1.637(9)$$W(20)-O(49)$$1.885(11)$$W(5)-O(2)$$2.345(10)$$Si(2)-O(41)$$1.652(8)$$W(20)-O(69)$$1.905(9)$$W(6)-O(26)$$1.698(13)$$W(13)-O(56)$$1.742(11)$$W(20)-O(44)$$2.382(10)$$W(6)-O(25)$$1.884(17)$$W(13)-O(55)$$1.827(9)$$W(20)-O(44)$$2.382(10)$$W(6)-O(21)$$1.916(12)$$W(13)-O(73)$$1.835(10)$$W(21)-O(74)$$1.747(11)$$W(6)-O(24)$$1.925(11)$$W(13)-O(75)$$2.026(9)$$W(21)-O(57)$$1.779(10)$$W(6)-O(27)$$1.943(16)$$W(13)-O(75)$$2.035(10)$$W(21)-O(53)$$1.804(10)$$W(6)-O(2)$$2.358(12)$$W(13)-O(41)$$2.382(10)$$W(21)-O(51)$$2.063(9)$$W(7)-O(28)$$1.709(16)$$W(14)-O(47)$$1.782(9)$$W(21)-O(50)$$2.067(10)$$W(7)-O(25)$$1.900(15)$$W(14)-O(48)$$1.796(10)$$W(22)-O(63)$$1.751(9)$$W(7)-O(22)$$1.920(12)$$W(14)-O(52)$$2.002(10)$$W(22)-O(62)$$1.885(11)$$W(7)-O(29)$$1.928(11)$$W(14)-O(52)$$2.002(10)$$W(22)-O(45)$$1.993(10)$$W(7)-O(2)$$2.354(14)$$W(14)-O(41)$$2.330(8)$$W(22)-O(52)$$1.993(10)$$W(22)-O(41)$$2.317(8)$$W(22)-O(41)$$2.317(8)$</td><td>W(5)-O(12)</td><td>1.902(12)</td><td>Si(2)-O(44)</td><td>1.611(12)</td><td>W(20)-O(60)</td><td>1.757(11)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(5)-O(22)</td><td>1.919(16)</td><td>Si(2)-O(43)</td><td>1.621(9)</td><td>W(20)-O(51)</td><td>1.817(9)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(5)-O(21)</td><td>1.934(14)</td><td>Si(2)-O(42)</td><td>1.637(9)</td><td>W(20)-O(49)</td><td>1.885(11)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(5)-O(2)</td><td>2.345(10)</td><td>Si(2)-O(41)</td><td>1.652(8)</td><td>W(20)-O(69)</td><td>1.905(9)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(6)-O(26)</td><td>1.698(13)</td><td>W(13)-O(56)</td><td>1.742(11)</td><td>W(20)-O(54)</td><td>1.986(9)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(6)-O(25)</td><td>1.884(17)</td><td>W(13)-O(55)</td><td>1.827(9)</td><td>W(20)-O(44)</td><td>2.382(10)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(6)-O(21)</td><td>1.916(12)</td><td>W(13)-O(73)</td><td>1.835(10)</td><td>W(21)-O(74)</td><td>1.747(11)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(6)-O(24)</td><td>1.925(11)</td><td>W(13)-O(45)</td><td>2.026(9)</td><td>W(21)-O(57)</td><td>1.779(10)</td></tr> <tr><td>$\begin{array}{llllllllllllllllllllllllllllllllllll$</td><td>W(6)-O(27)</td><td>1.943(16)</td><td>W(13)-O(75)</td><td>2.035(10)</td><td>W(21)-O(53)</td><td>1.804(10)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(6)-O(2)</td><td>2.358(12)</td><td>W(13)-O(41)</td><td>2.382(10)</td><td>W(21)-O(51)</td><td>2.063(9)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(7)-O(28)</td><td>1.709(16)</td><td>W(14)-O(47)</td><td>1.782(9)</td><td>W(21)-O(50)</td><td>2.067(10)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(7)-O(25)</td><td>1.900(15)</td><td>W(14)-O(48)</td><td>1.796(10)</td><td>W(22)-O(63)</td><td>1.751(9)</td></tr> <tr><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>W(7)-O(22)</td><td>1.920(12)</td><td>W(14)-O(54)</td><td>1.882(10)</td><td>W(22)-O(59)</td><td>1.814(10)</td></tr> <tr><td>W(7)-O(29) 1.928(11) W(14)-O(52) 2.002(10) W(22)-O(45) 1.967(10) W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)</td><td>W(7)-O(17)</td><td>1.922(12)</td><td>W(14)-O(75)</td><td>1.941(12)</td><td>W(22)-O(62)</td><td>1.885(11)</td></tr> <tr><td>W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)</td><td>W(7)-O(29)</td><td>1.928(11)</td><td>W(14)-O(52)</td><td>2.002(10)</td><td>W(22)-O(45)</td><td>1.967(10)</td></tr> <tr><td>W(22)-O(41) 2.317(8)</td><td>W(7)-O(2)</td><td>2.354(14)</td><td>W(14)-O(41)</td><td>2.330(8)</td><td>W(22)-O(52)</td><td>1.993(10)</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>W(22)-O(41)</td><td>2.317(8)</td></tr>	W(4)-O(18)	1.943(11)	W(12)-O(18)	1.889(13)	W(19)-O(46)	1.914(11)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(4)-O(4)	2.373(13)	W(12)-O(29)	1.907(10)	W(19)-O(69)	1.930(9)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(23)	1.708(13)	W(12)-O(38)	1.925(10)	W(19)-O(62)	1.976(9)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(6)	1.892(15)	W(12)-O(4)	2.359(11)	W(19)-O(44)	2.327(11)	W(5)-O(22) $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(51)$ $1.817(9)$ $W(5)-O(21)$ $1.934(14)$ $Si(2)-O(42)$ $1.637(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $2.345(10)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(69)$ $1.905(9)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(56)$ $1.742(11)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(25)$ $1.884(17)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(73)$ $1.835(10)$ $W(21)-O(74)$ $1.747(11)$ $W(6)-O(24)$ $1.925(11)$ $W(13)-O(75)$ $2.026(9)$ $W(21)-O(57)$ $1.779(10)$ $W(6)-O(27)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(53)$ $1.804(10)$ $W(6)-O(2)$ $2.358(12)$ $W(13)-O(41)$ $2.382(10)$ $W(21)-O(51)$ $2.063(9)$ $W(7)-O(28)$ $1.709(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(50)$ $2.067(10)$ $W(7)-O(25)$ $1.900(15)$ $W(14)-O(48)$ $1.796(10)$ $W(22)-O(63)$ $1.751(9)$ $W(7)-O(22)$ $1.920(12)$ $W(14)-O(52)$ $2.002(10)$ $W(22)-O(62)$ $1.885(11)$ $W(7)-O(29)$ $1.928(11)$ $W(14)-O(52)$ $2.002(10)$ $W(22)-O(45)$ $1.993(10)$ $W(7)-O(2)$ $2.354(14)$ $W(14)-O(41)$ $2.330(8)$ $W(22)-O(52)$ $1.993(10)$ $W(22)-O(41)$ $2.317(8)$ $W(22)-O(41)$ $2.317(8)$	W(5)-O(12)	1.902(12)	Si(2)-O(44)	1.611(12)	W(20)-O(60)	1.757(11)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(22)	1.919(16)	Si(2)-O(43)	1.621(9)	W(20)-O(51)	1.817(9)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(21)	1.934(14)	Si(2)-O(42)	1.637(9)	W(20)-O(49)	1.885(11)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(5)-O(2)	2.345(10)	Si(2)-O(41)	1.652(8)	W(20)-O(69)	1.905(9)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(26)	1.698(13)	W(13)-O(56)	1.742(11)	W(20)-O(54)	1.986(9)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(25)	1.884(17)	W(13)-O(55)	1.827(9)	W(20)-O(44)	2.382(10)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(21)	1.916(12)	W(13)-O(73)	1.835(10)	W(21)-O(74)	1.747(11)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(24)	1.925(11)	W(13)-O(45)	2.026(9)	W(21)-O(57)	1.779(10)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(27)	1.943(16)	W(13)-O(75)	2.035(10)	W(21)-O(53)	1.804(10)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(2)	2.358(12)	W(13)-O(41)	2.382(10)	W(21)-O(51)	2.063(9)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(28)	1.709(16)	W(14)-O(47)	1.782(9)	W(21)-O(50)	2.067(10)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(25)	1.900(15)	W(14)-O(48)	1.796(10)	W(22)-O(63)	1.751(9)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(22)	1.920(12)	W(14)-O(54)	1.882(10)	W(22)-O(59)	1.814(10)	W(7)-O(29) 1.928(11) W(14)-O(52) 2.002(10) W(22)-O(45) 1.967(10) W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)	W(7)-O(17)	1.922(12)	W(14)-O(75)	1.941(12)	W(22)-O(62)	1.885(11)	W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)	W(7)-O(29)	1.928(11)	W(14)-O(52)	2.002(10)	W(22)-O(45)	1.967(10)	W(22)-O(41) 2.317(8)	W(7)-O(2)	2.354(14)	W(14)-O(41)	2.330(8)	W(22)-O(52)	1.993(10)						W(22)-O(41)	2.317(8)
W(4)-O(18)	1.943(11)	W(12)-O(18)	1.889(13)	W(19)-O(46)	1.914(11)																																																																																																																																													
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(4)-O(4)	2.373(13)	W(12)-O(29)	1.907(10)	W(19)-O(69)	1.930(9)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(23)	1.708(13)	W(12)-O(38)	1.925(10)	W(19)-O(62)	1.976(9)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(6)	1.892(15)	W(12)-O(4)	2.359(11)	W(19)-O(44)	2.327(11)																																																																																																																																												
W(5)-O(22) $1.919(16)$ $Si(2)-O(43)$ $1.621(9)$ $W(20)-O(51)$ $1.817(9)$ $W(5)-O(21)$ $1.934(14)$ $Si(2)-O(42)$ $1.637(9)$ $W(20)-O(49)$ $1.885(11)$ $W(5)-O(2)$ $2.345(10)$ $Si(2)-O(41)$ $1.652(8)$ $W(20)-O(69)$ $1.905(9)$ $W(6)-O(26)$ $1.698(13)$ $W(13)-O(56)$ $1.742(11)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(25)$ $1.884(17)$ $W(13)-O(55)$ $1.827(9)$ $W(20)-O(44)$ $2.382(10)$ $W(6)-O(21)$ $1.916(12)$ $W(13)-O(73)$ $1.835(10)$ $W(21)-O(74)$ $1.747(11)$ $W(6)-O(24)$ $1.925(11)$ $W(13)-O(75)$ $2.026(9)$ $W(21)-O(57)$ $1.779(10)$ $W(6)-O(27)$ $1.943(16)$ $W(13)-O(75)$ $2.035(10)$ $W(21)-O(53)$ $1.804(10)$ $W(6)-O(2)$ $2.358(12)$ $W(13)-O(41)$ $2.382(10)$ $W(21)-O(51)$ $2.063(9)$ $W(7)-O(28)$ $1.709(16)$ $W(14)-O(47)$ $1.782(9)$ $W(21)-O(50)$ $2.067(10)$ $W(7)-O(25)$ $1.900(15)$ $W(14)-O(48)$ $1.796(10)$ $W(22)-O(63)$ $1.751(9)$ $W(7)-O(22)$ $1.920(12)$ $W(14)-O(52)$ $2.002(10)$ $W(22)-O(62)$ $1.885(11)$ $W(7)-O(29)$ $1.928(11)$ $W(14)-O(52)$ $2.002(10)$ $W(22)-O(45)$ $1.993(10)$ $W(7)-O(2)$ $2.354(14)$ $W(14)-O(41)$ $2.330(8)$ $W(22)-O(52)$ $1.993(10)$ $W(22)-O(41)$ $2.317(8)$ $W(22)-O(41)$ $2.317(8)$	W(5)-O(12)	1.902(12)	Si(2)-O(44)	1.611(12)	W(20)-O(60)	1.757(11)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(22)	1.919(16)	Si(2)-O(43)	1.621(9)	W(20)-O(51)	1.817(9)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(5)-O(21)	1.934(14)	Si(2)-O(42)	1.637(9)	W(20)-O(49)	1.885(11)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(5)-O(2)	2.345(10)	Si(2)-O(41)	1.652(8)	W(20)-O(69)	1.905(9)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(26)	1.698(13)	W(13)-O(56)	1.742(11)	W(20)-O(54)	1.986(9)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(25)	1.884(17)	W(13)-O(55)	1.827(9)	W(20)-O(44)	2.382(10)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(21)	1.916(12)	W(13)-O(73)	1.835(10)	W(21)-O(74)	1.747(11)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(24)	1.925(11)	W(13)-O(45)	2.026(9)	W(21)-O(57)	1.779(10)																																																																																																																																												
$\begin{array}{llllllllllllllllllllllllllllllllllll$	W(6)-O(27)	1.943(16)	W(13)-O(75)	2.035(10)	W(21)-O(53)	1.804(10)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(6)-O(2)	2.358(12)	W(13)-O(41)	2.382(10)	W(21)-O(51)	2.063(9)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(28)	1.709(16)	W(14)-O(47)	1.782(9)	W(21)-O(50)	2.067(10)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(25)	1.900(15)	W(14)-O(48)	1.796(10)	W(22)-O(63)	1.751(9)																																																																																																																																												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	W(7)-O(22)	1.920(12)	W(14)-O(54)	1.882(10)	W(22)-O(59)	1.814(10)																																																																																																																																												
W(7)-O(29) 1.928(11) W(14)-O(52) 2.002(10) W(22)-O(45) 1.967(10) W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)	W(7)-O(17)	1.922(12)	W(14)-O(75)	1.941(12)	W(22)-O(62)	1.885(11)																																																																																																																																												
W(7)-O(2) 2.354(14) W(14)-O(41) 2.330(8) W(22)-O(52) 1.993(10) W(22)-O(41) 2.317(8)	W(7)-O(29)	1.928(11)	W(14)-O(52)	2.002(10)	W(22)-O(45)	1.967(10)																																																																																																																																												
W(22)-O(41) 2.317(8)	W(7)-O(2)	2.354(14)	W(14)-O(41)	2.330(8)	W(22)-O(52)	1.993(10)																																																																																																																																												
					W(22)-O(41)	2.317(8)																																																																																																																																												