

Metal Preference of Glyoxalase II, a Quantum Mechanics/Molecular Mechanics Study

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1. The binding pose of S-LG in the enzyme

The binding pose of S-LG in the enzyme in the 1QH5 PDB structure is shown in Figure S1. As can be seen, two basic residues are located near the carboxylate group of S-LG, Arg-249 and Lys-252. These residues belong to the final α helix of the second domain. Furthermore, Lys-143, Tyr-145, and Asp-58 interact with S-LG through conventional hydrogen bonds. Additionally, some carbon-hydrogen bonds are formed between substrate and protein by His-110, Cys-141, Gly-142, and Lys-143. π -sulfur interactions are a fourth type of attraction that contributes to the binding of the substrate. In such interactions, the π electron cloud of an aromatic ring interacts with a lone-pair electron cloud of the sulfur atom. Tyr-175 and His-110 are involved in this type of attraction.

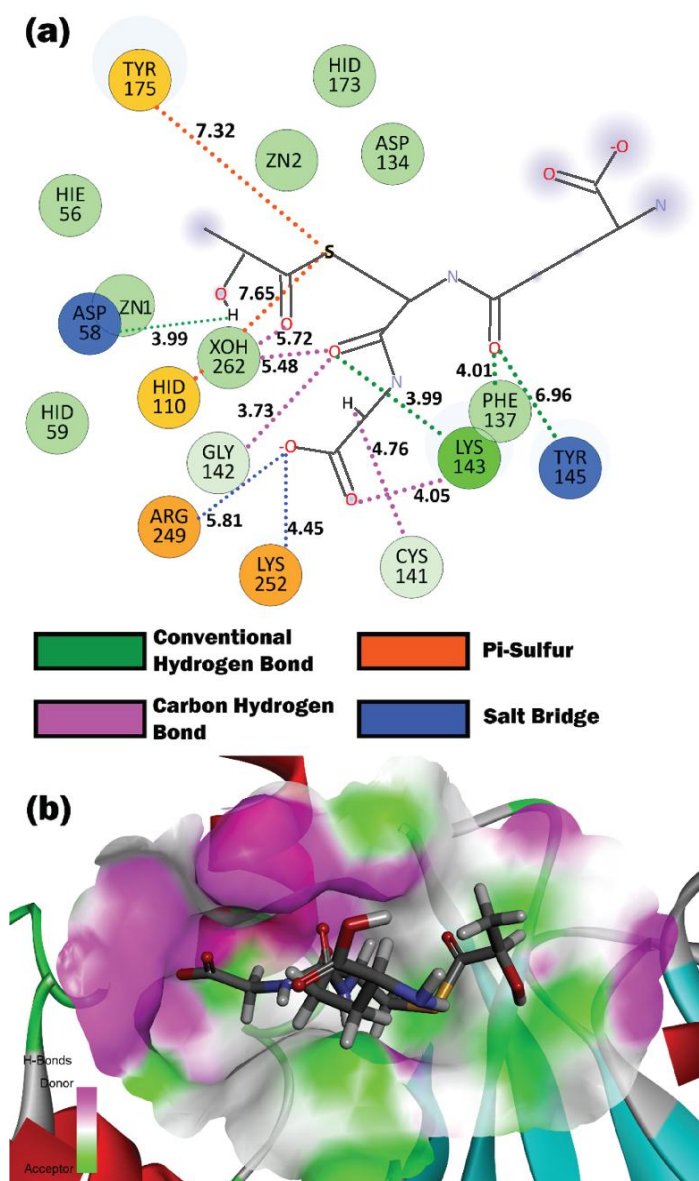


Figure S1. Visualization of the active-site of GlxII and its interactions with S-LG. (a) 2D diagram showing various interactions (dashed lines) and distances (in Å) between the S-LG ligand and the protein residues in the active-site of GlxII. (b) 3D diagram showing the placement of the substrate within the active-site of GlxII in a surface representation. XOH is the bridging hydroxide ion. The figure was constructed using Biovia Discovery Studio visualizer.¹

2. A graphical representation of the QM/MM region

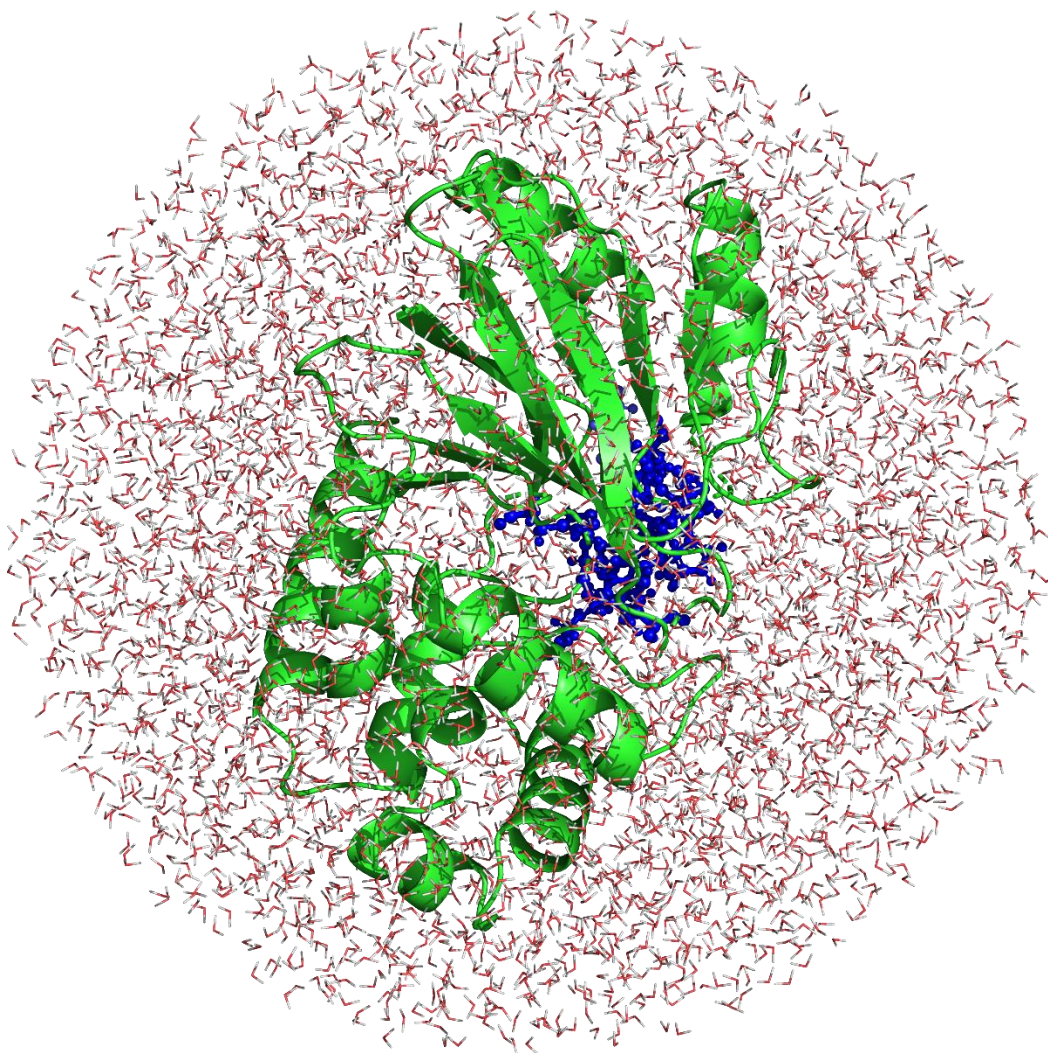


Figure S2. Depiction of the MM and QM regions in the calculations. The QM region is represented using a blue ball-and-stick model. The MM region, which includes the protein and water molecules, is shown using a green ribbon and wireframe, respectively.

3. Schematic representation of the spin states for the active-site metal ion pairs under idealized octahedral symmetry

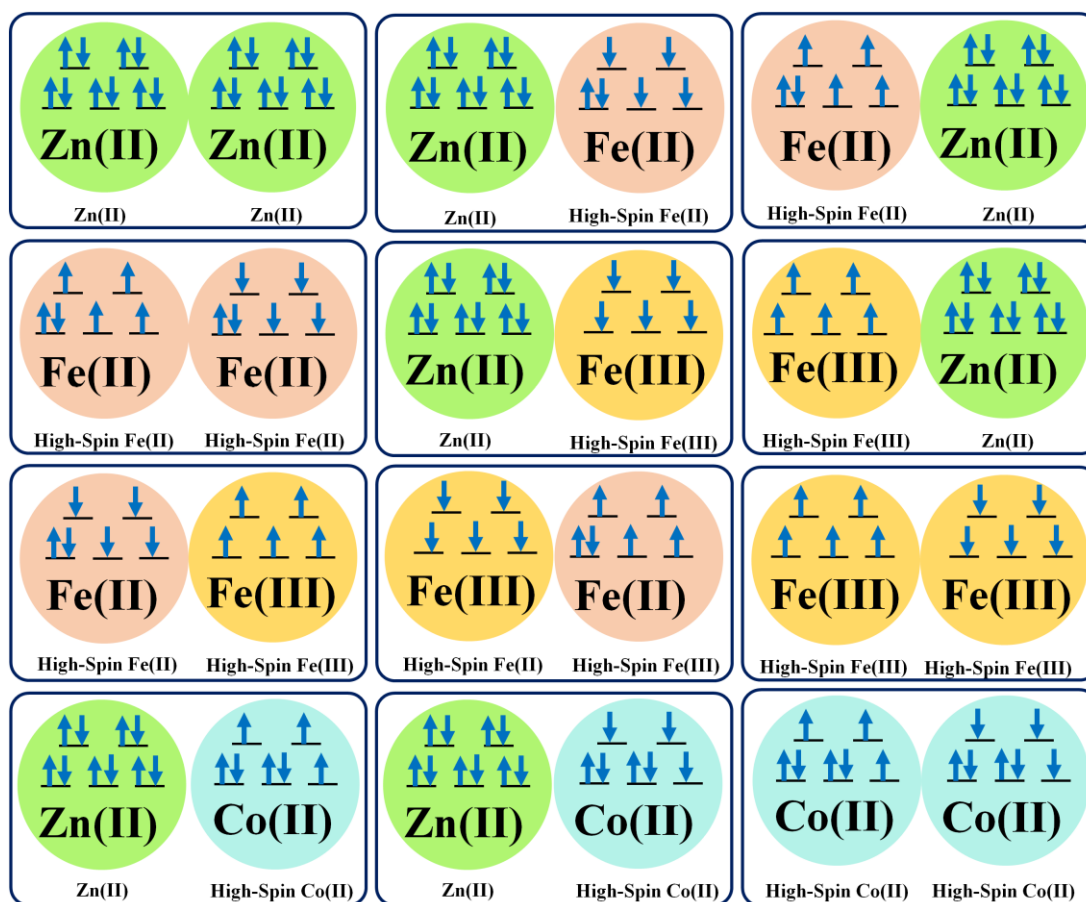


Figure S3. Schematic representation of the spin states and d-orbital splitting for the active-site metal ion pairs under idealized octahedral symmetry. While this model provides a simplified view, it does not fully account for deviations from perfect octahedral coordination in the actual enzyme environment.

4. The Reduced QM System used to Perform Frequency Calculations

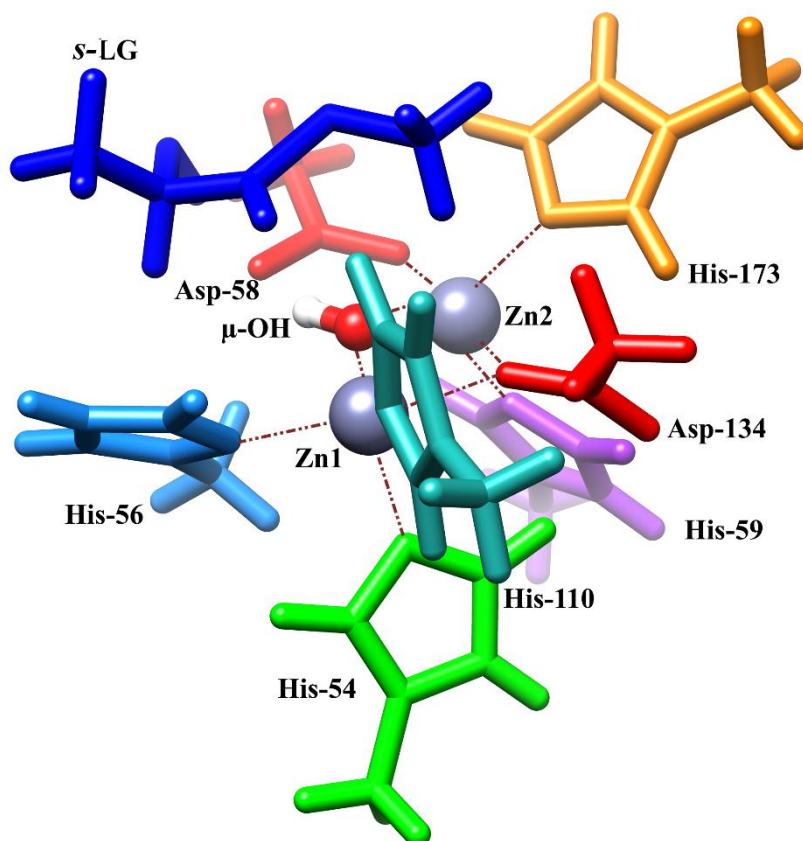
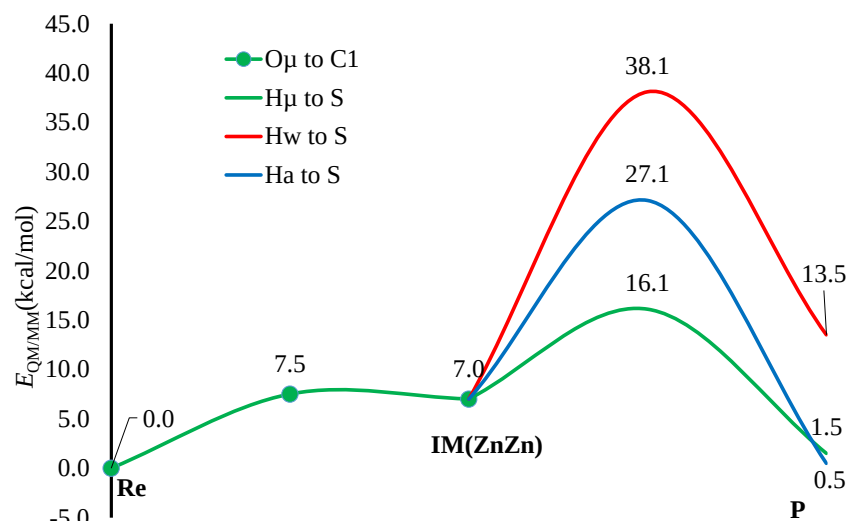
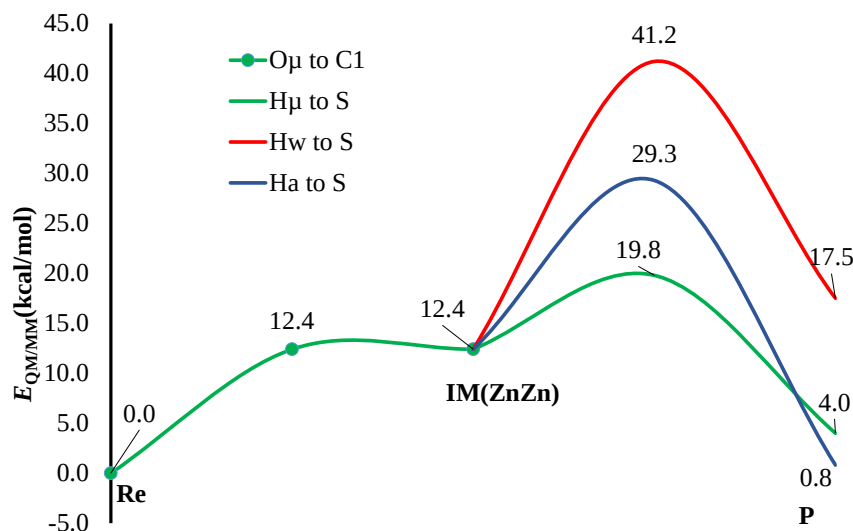


Figure S4. The reduced QM system used for the frequency calculations. This smaller model excluded the four water molecules and Asp-29, and utilized a truncated substrate model derived from the original QM system (refer to Figure 2 for the complete QM system).

5. QM/MM Energy Profiles for all Viable Reactions Originating from **Re(ZnZn)** Computed using the def2-SV(P) and def2-TZVPD Basis Sets



(a)



(b)

Figure S5. Energy profiles for all viable reactions originating from **Re(ZnZn)** computed using the QM/MM method, with the first term on the right-hand side of Eq. 1 evaluated (a) with the smaller def2-SV(P) basis set level and (b) with the larger def2-TZVPD basis set.

6. Optimized structures of IM and P states

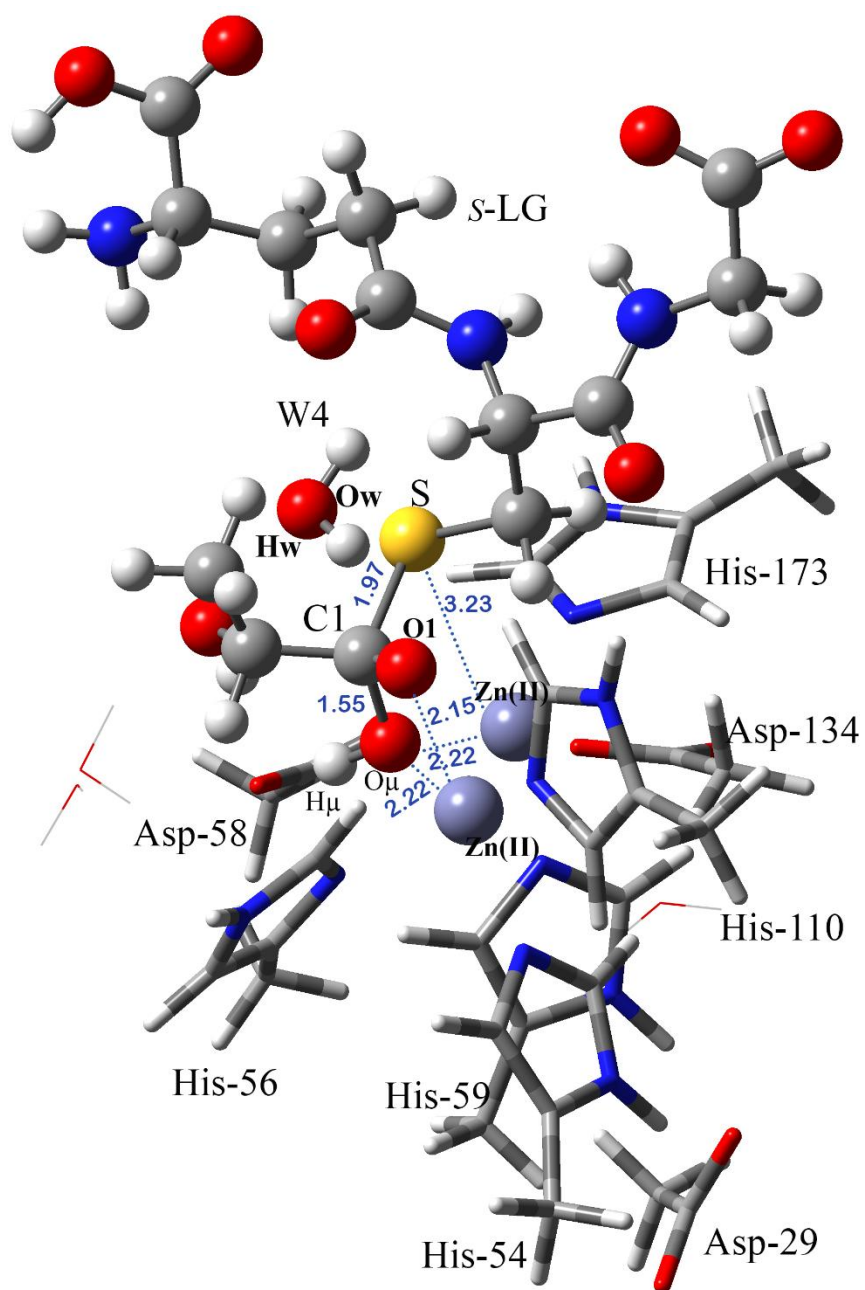


Figure S6. Optimized structure of **IM(ZnZn)**. The substrate, Zn ions, μ -OH, and the reacting water molecule (w4), indicated by a curved blue arrow in Scheme 4, are shown in ball-and-stick representation. Active-site residues and other water molecules are depicted as tubes and wireframes, respectively.

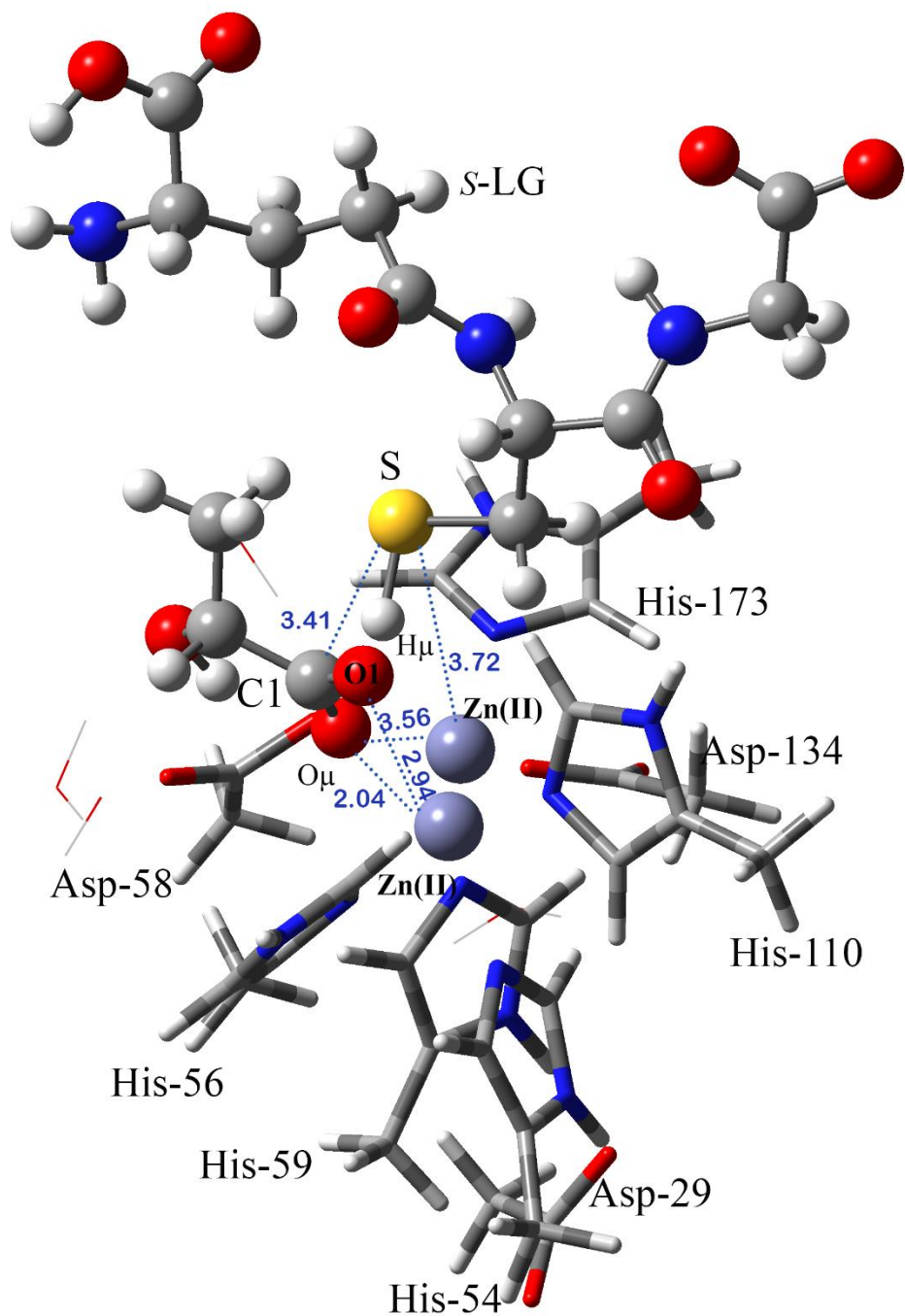


Figure S7. Optimized structure of $P(ZnZn)$. The substrate, Zn ions, $\mu-OH$, and the reacting water molecule ($w4$), indicated by a curved blue arrow in Scheme 4, are shown in ball-and-stick representation. Active-site residues and other water molecules are depicted as tubes and wireframes, respectively.

7. Optimized structures of stationary states with different metal combinations

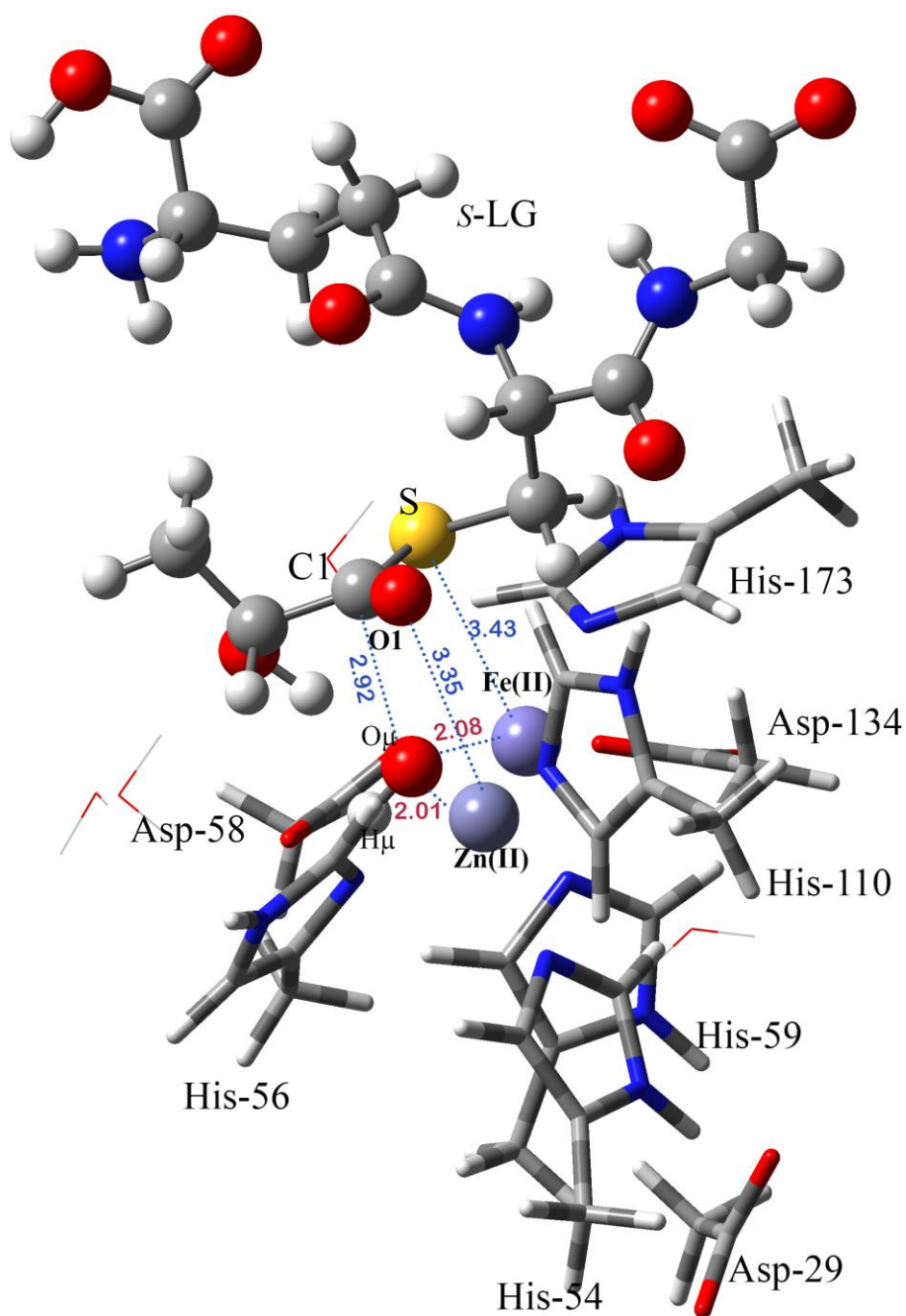


Figure S5. Optimized structure for the reactant state of ZnFe_2 ($\text{Re}(\text{ZnFe}_2)$). The S-LG , Fe(II) , Zn , and $\mu\text{-OH}$ are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

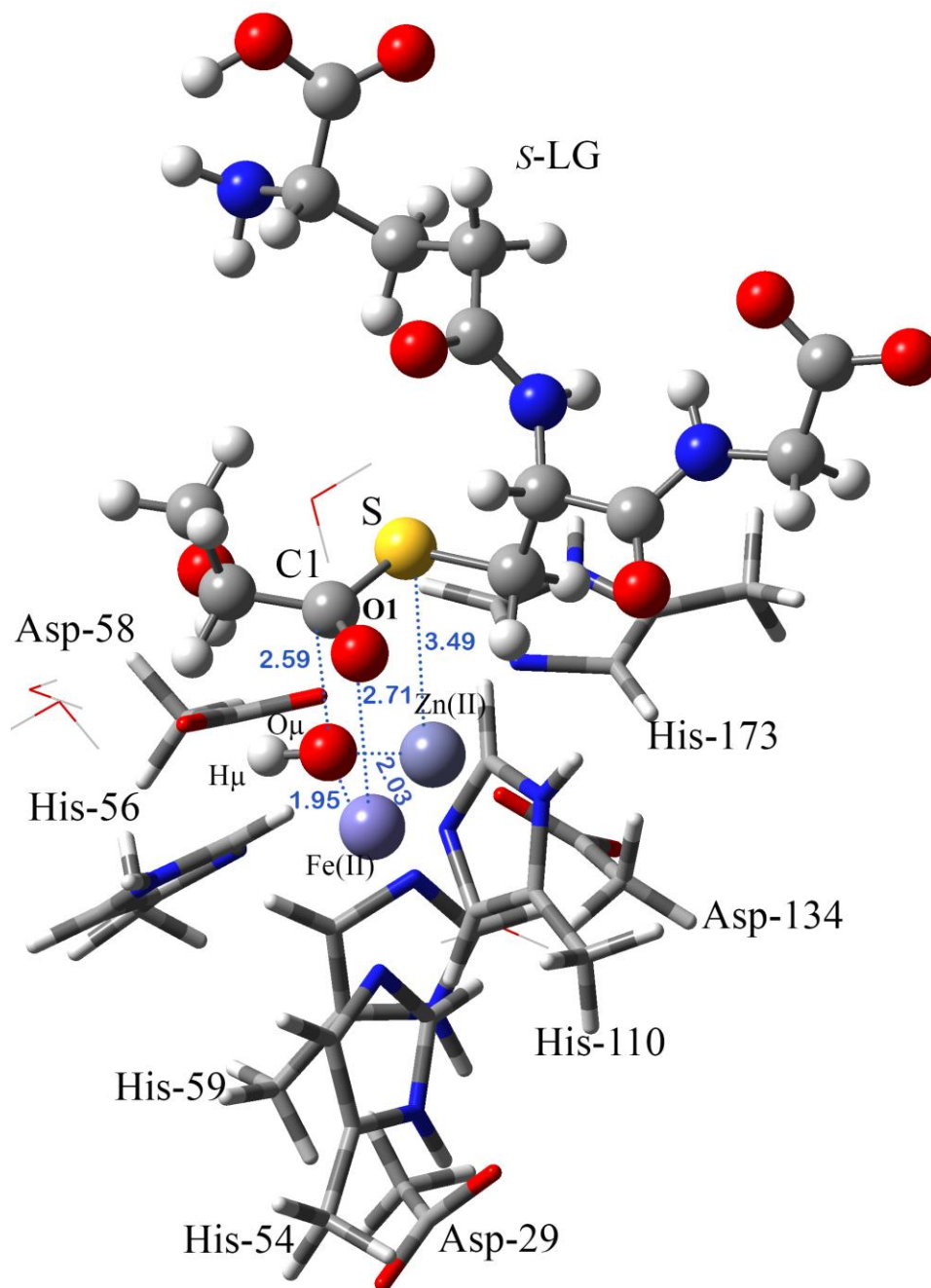


Figure S6. Optimized structure for the reactant state of **Fe₂Zn (Re(Fe₂Zn))**. The S-LG, Fe(II), Zn, and μ-OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

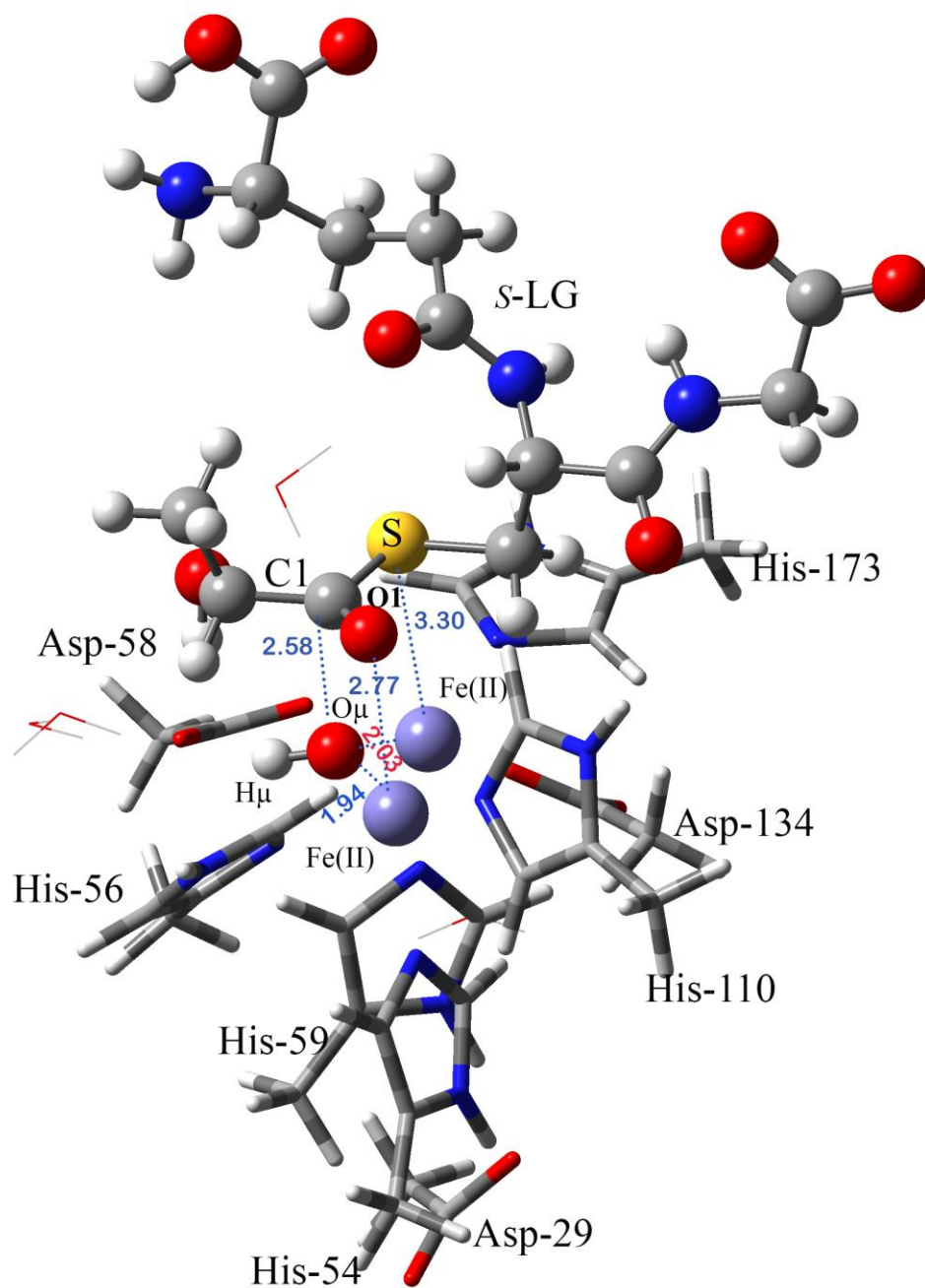


Figure S7. Optimized structure for the reactant state of **Fe2/2 (Re(Fe2/2))**. The S-LG, Fe(II), and μ-OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively

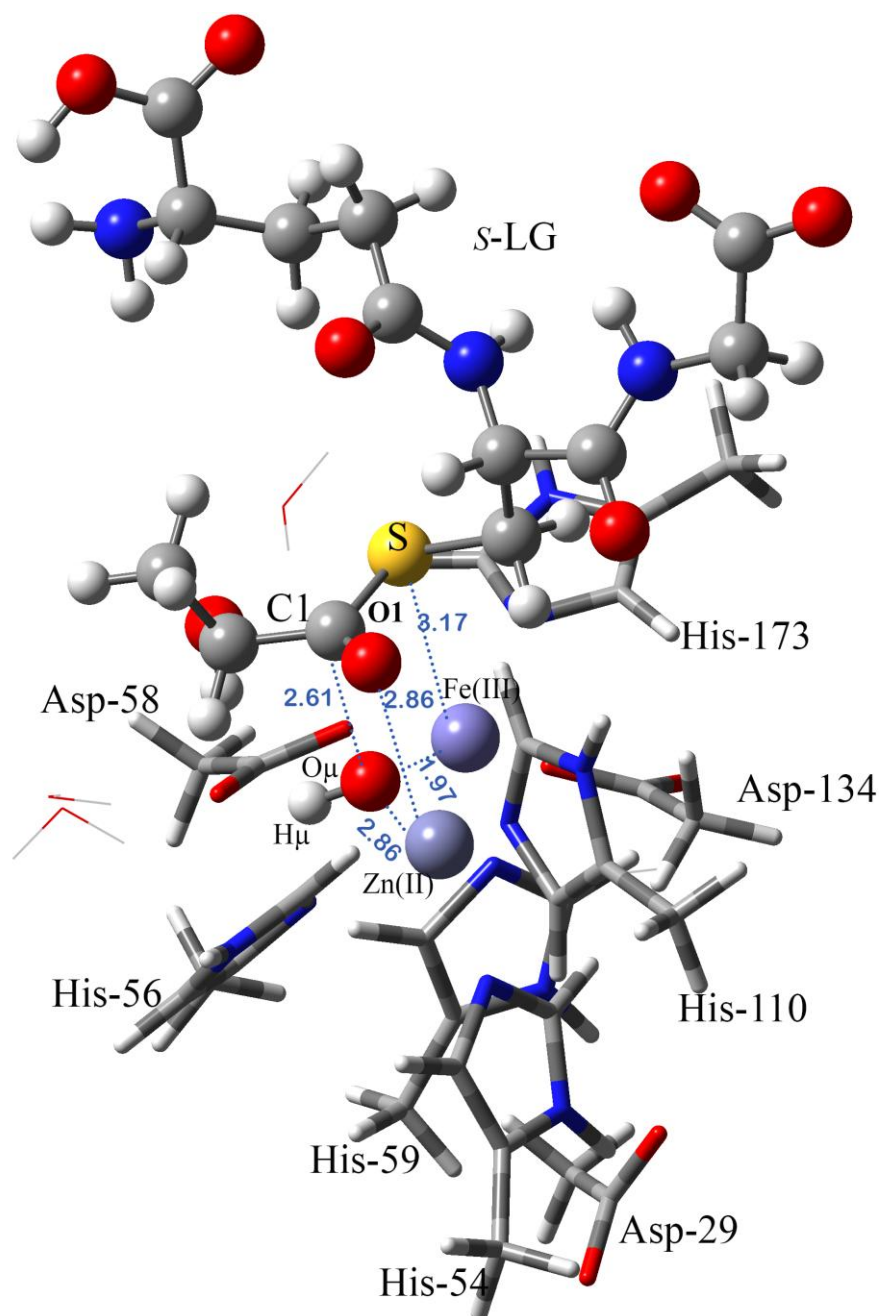


Figure S8. Optimized structure for the reactant state of **ZnFe3 (Re(ZnFe3))**. The **S-LG**, **Fe(III)**, **Zn**, and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

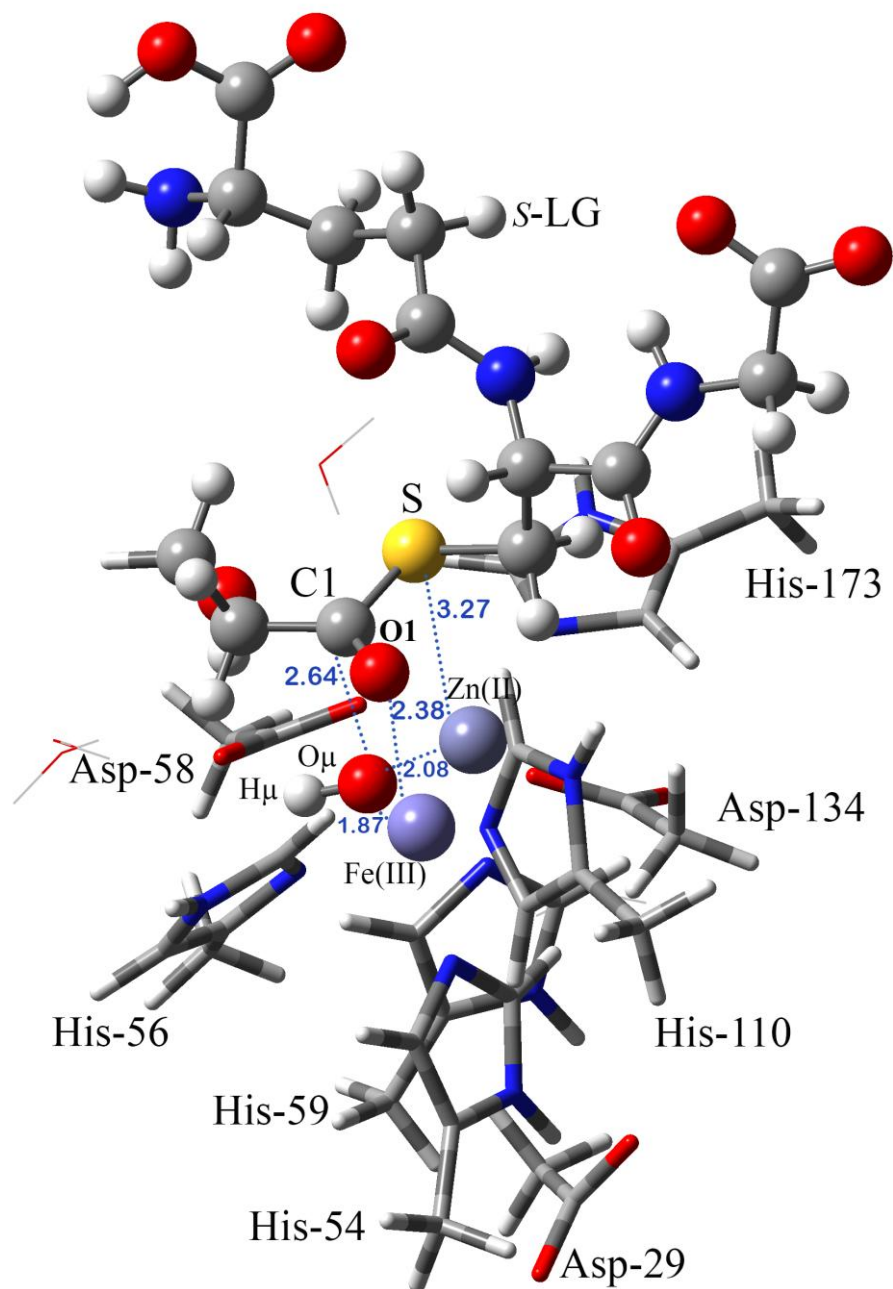


Figure S9. Optimized structure for the reactant state of **ZnFe3 (Re(Fe3Zn))**. The S-LG, Fe(III), Zn, and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

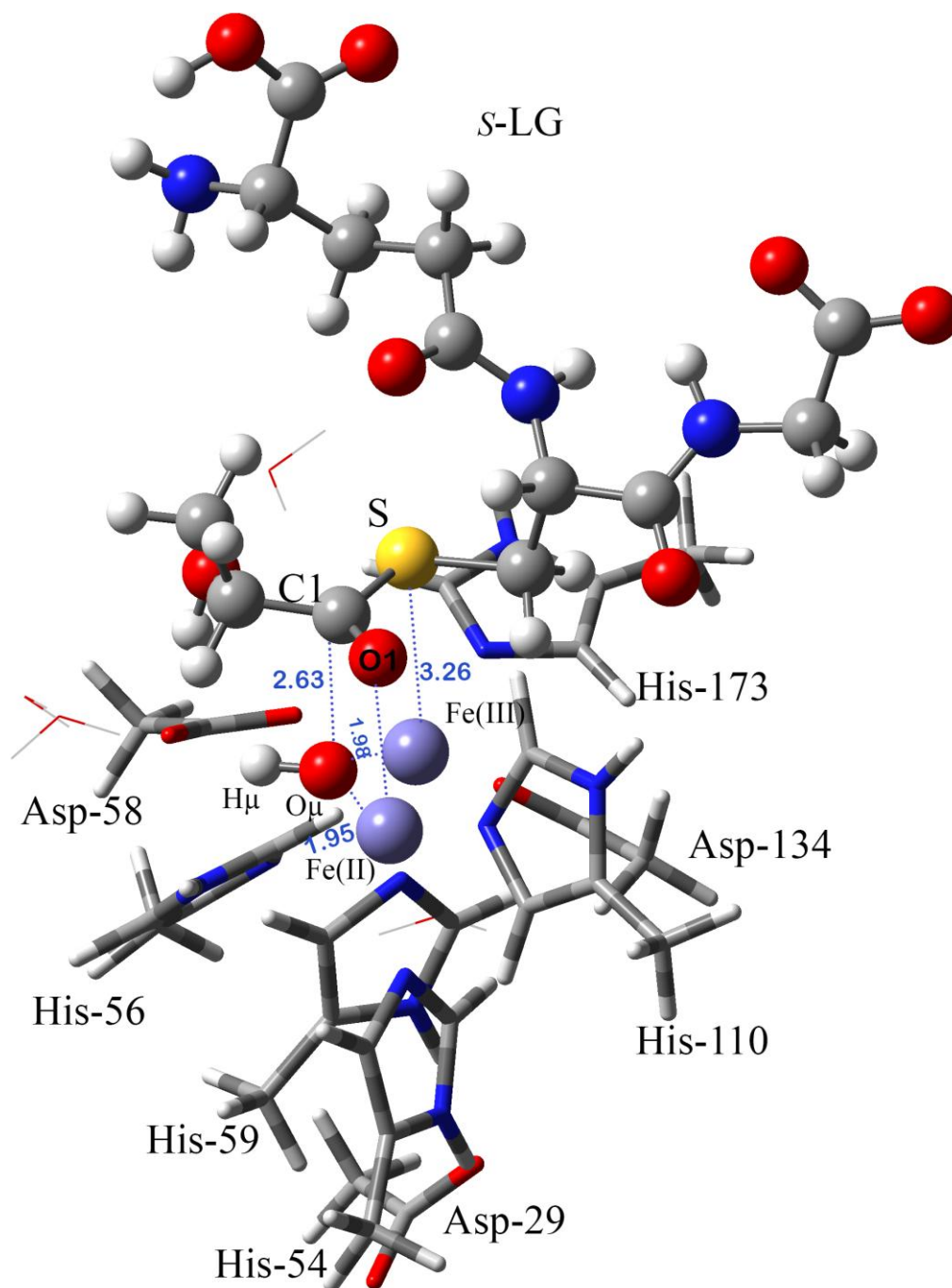


Figure S10. Optimized structure for the reactant state of **Fe2/3 (Re(Fe2/3))**. The S-LG, Fe(III), Fe(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

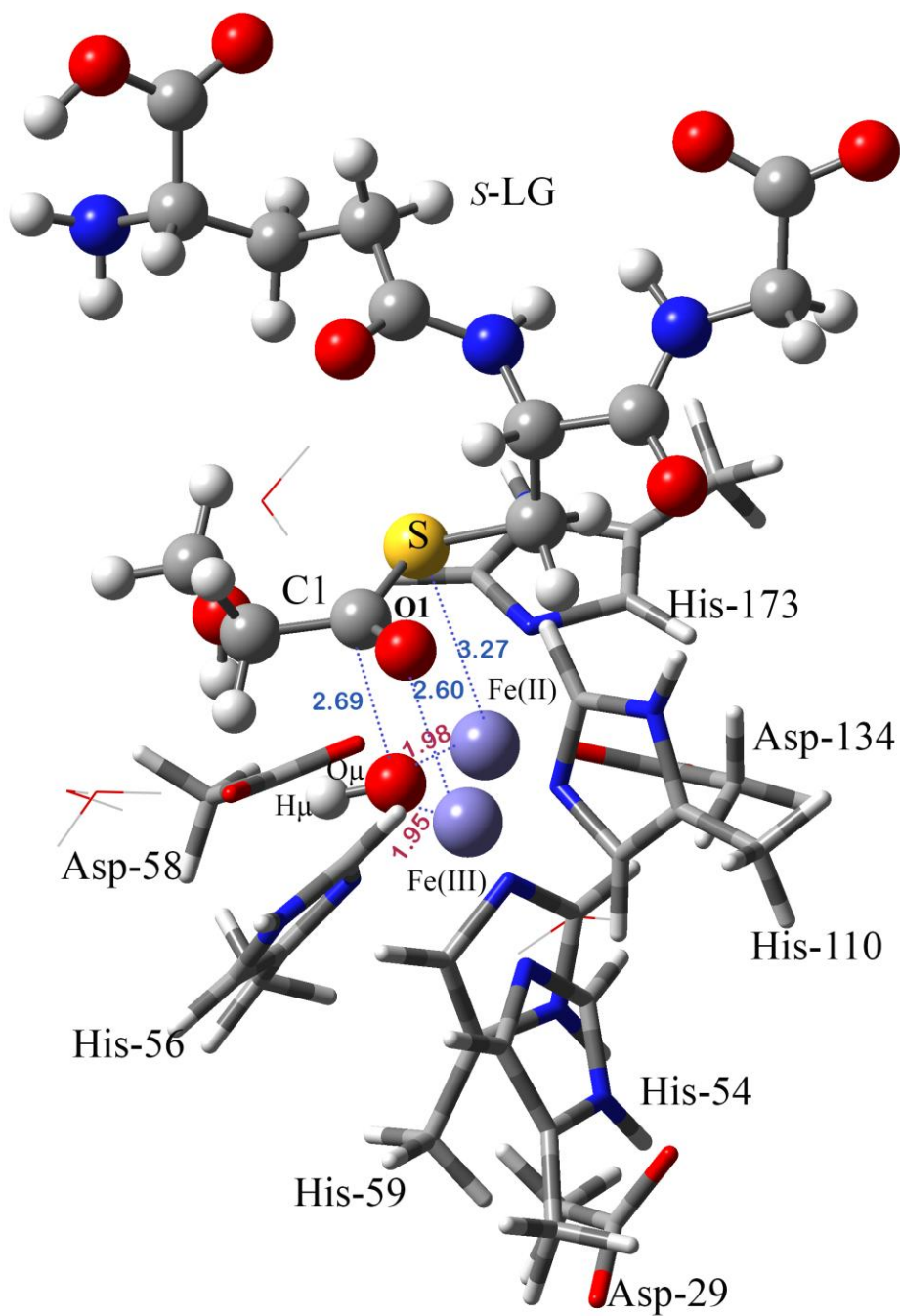


Figure S11. Optimized structure for the reactant state of **Fe₃/2 (Re(Fe₃/2))**. The S-LG, Fe(III), Fe(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

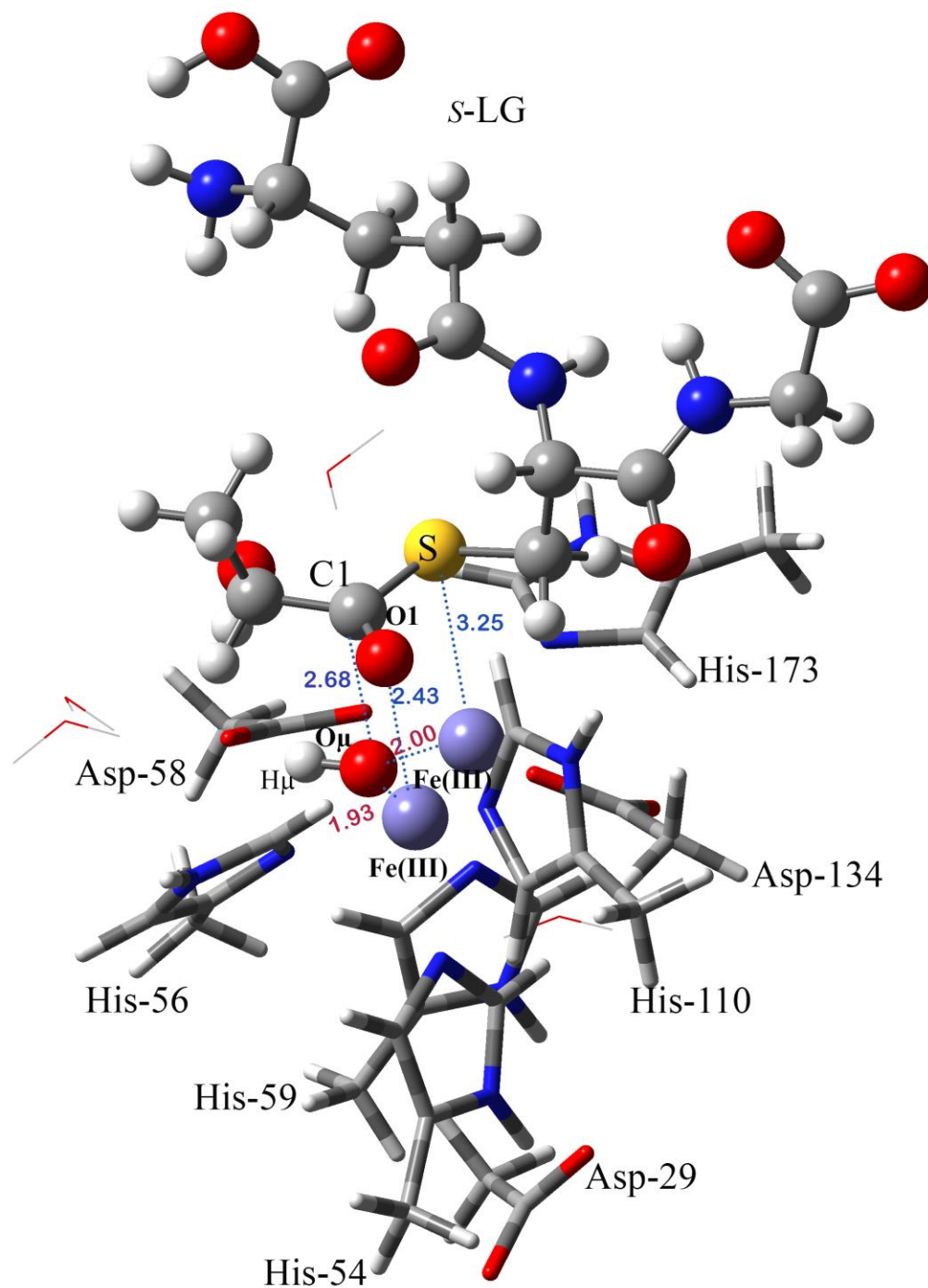


Figure S12. Optimized structure for the reactant state of **Fe3/3 (Re(Fe3/3))**. The S-LG, Fe(III), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

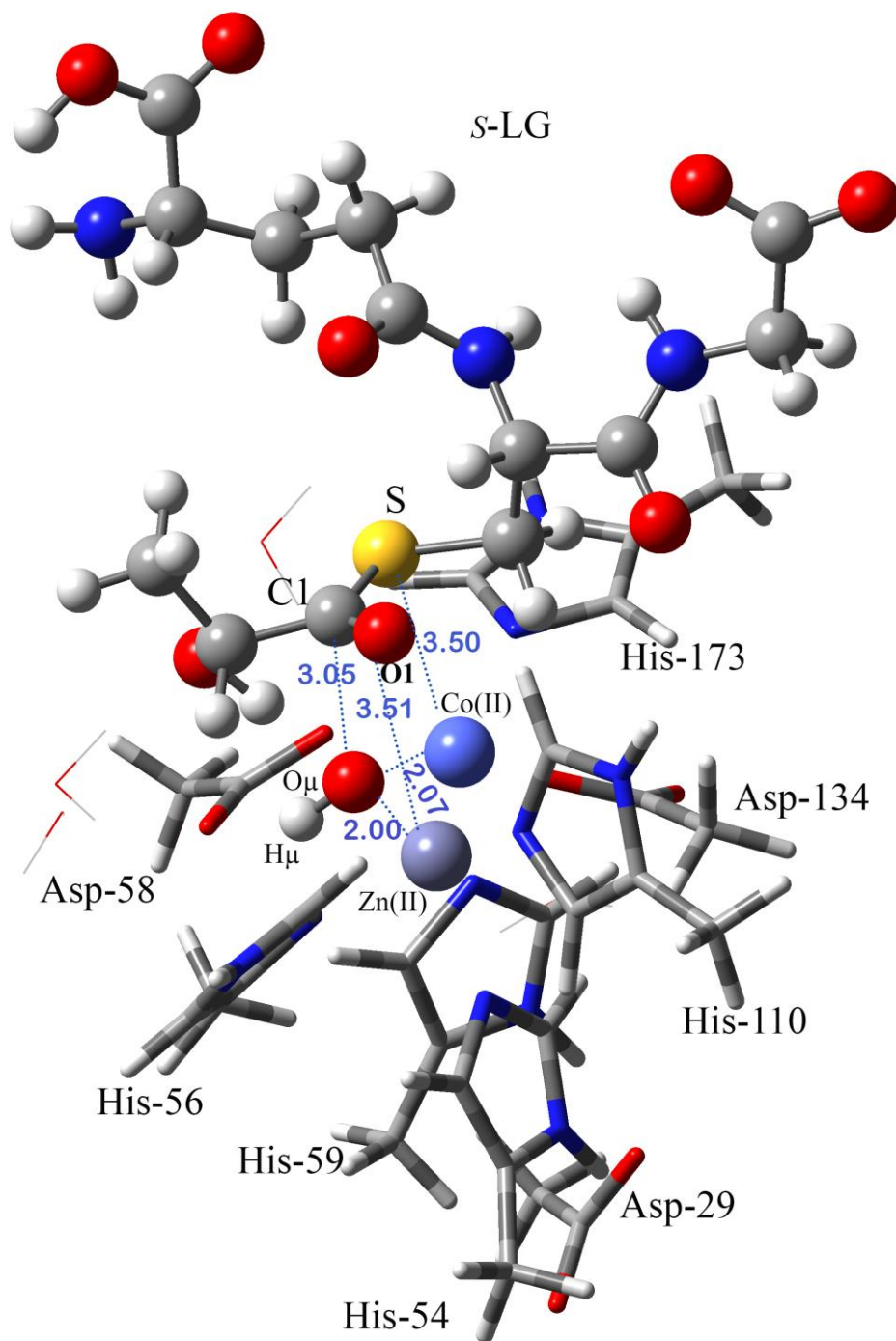


Figure S13. Optimized structure for the reactant state of **ZnCo (Re(ZnCo))**. The S-LG, Zn(II), Co(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

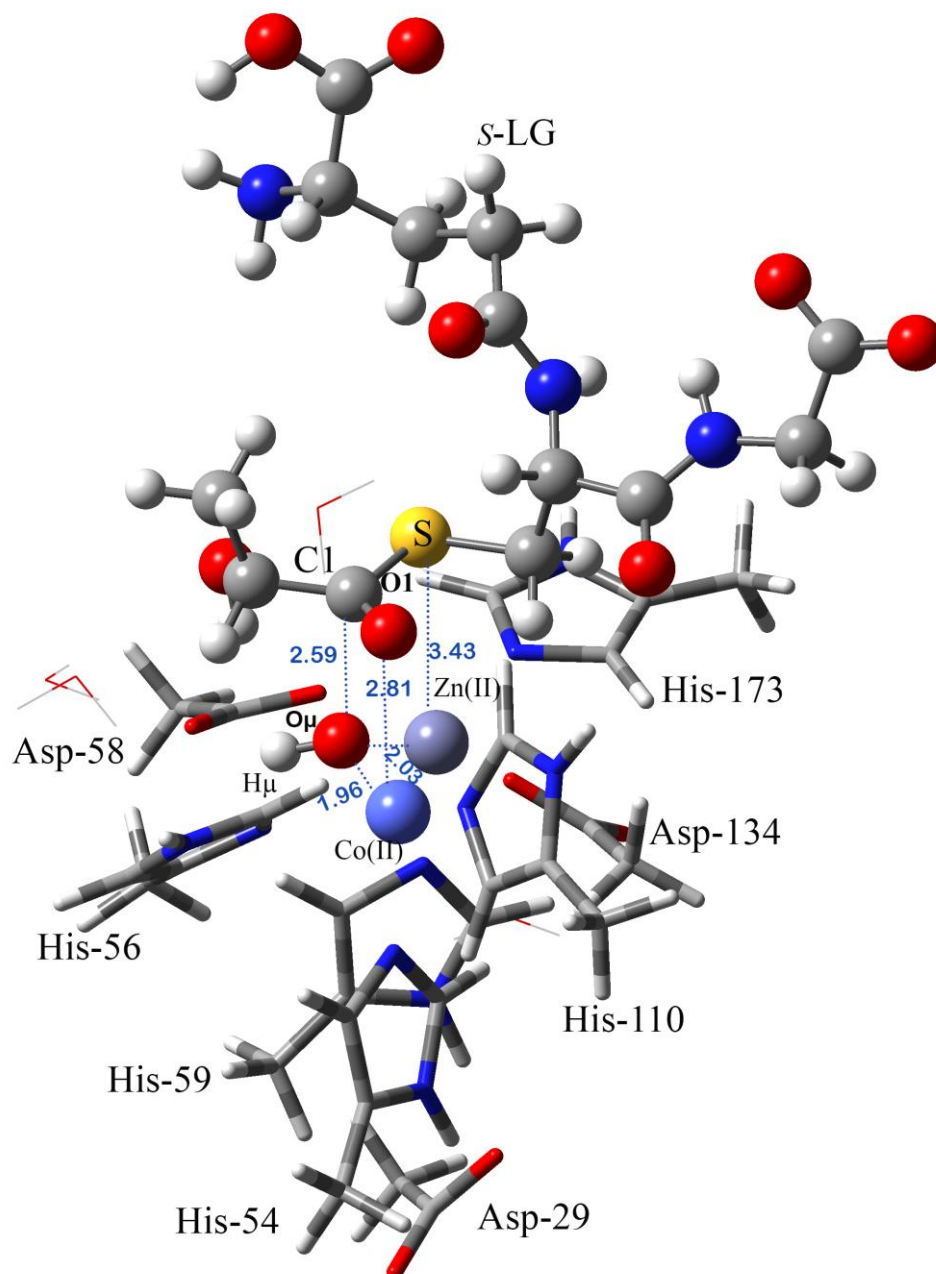


Figure S14. Optimized structure for the reactant state of **CoZn (Re(CoZn))**. The S-LG, Zn(II), Co(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

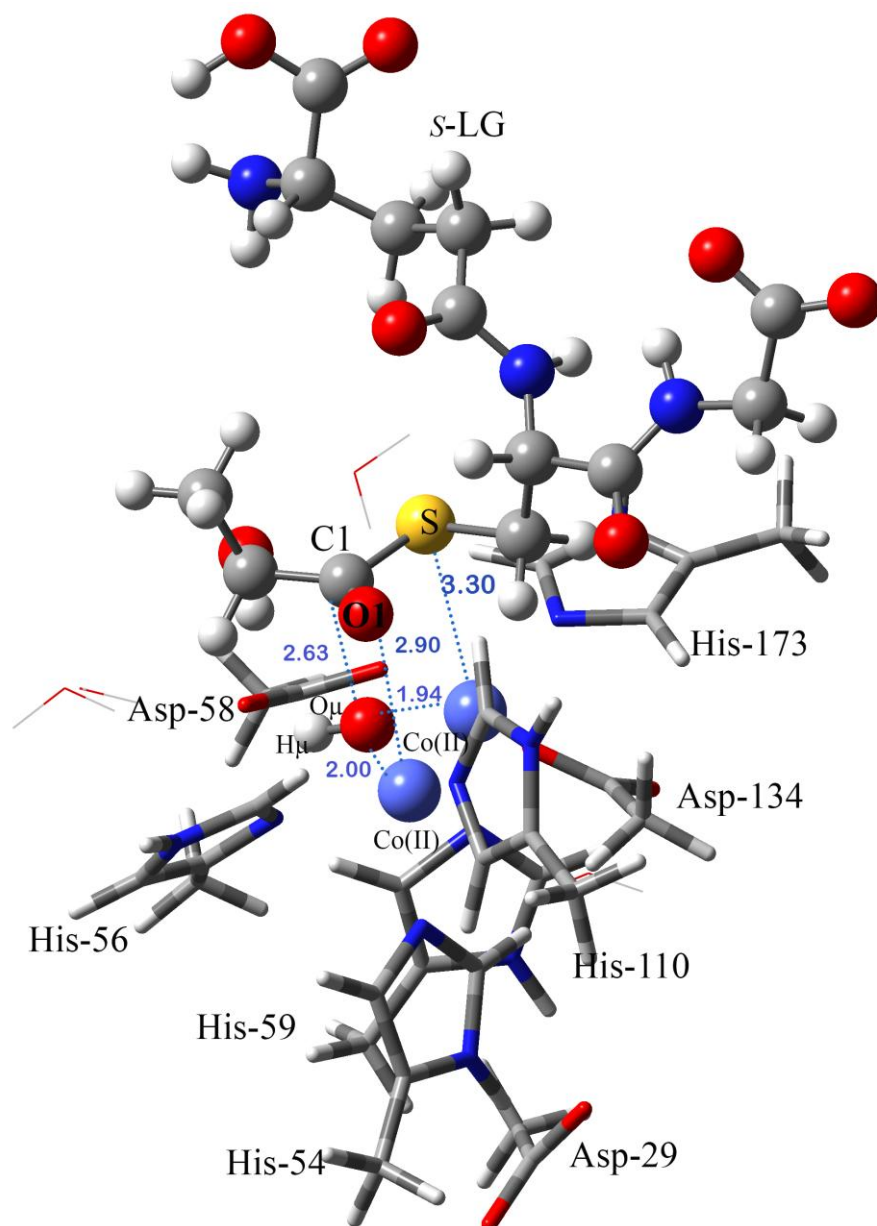


Figure S15. Optimized structure for the reactant state of **CoCo (Re(CoCo))**. The S-LG, Co(II), and $\mu\text{-OH}$ are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively.

8. Effects of a Single Zinc Ion in the Active Site

To explore the impact of a single zinc ion in the active-site of GlxII, we investigated two states in which one of the zinc ions was removed, **Zn/-** and **-/Zn**, containing a single zinc ion in the M1 and M2 sites, respectively. The optimized structures of these states are depicted in Figures S19 and. In the **Zn/-** state, the hydroxide ion nucleophilically attacks the C1 atom of S-LG. However, our investigation revealed that the transfer of the H μ atom from O μ to S and the cleavage of the C1–S bond is not feasible, and H μ returns to its original position when the restraints are removed. For the preserved ion in M2, **-/Zn**, the nucleophilic attack of the hydroxide ion occurs, leading to the cleavage of the C1–S bond (lactic acid is formed when the substrate enters the active-site). However, the subsequent step involving the transfer of the proton H μ from this lactic acid to S does not occur, and the proton returns to its original position. The reaction pathway for **-/Zn** appears to be somewhat analogous to the reaction mechanism proposed by Himo et al.² However, our calculations suggest that the **Zn/-** and **-/Zn** states would not exhibit any straightforward reaction for the enzyme. This contrasts with the observation of Limphong et al.³, which indicated catalytic activity for the second state. The disparity may stem from the fact that removing one of the Zn ions from the active-site may significantly modify the protein structure, a factor not considered in our calculations. In our simulations, we simply removed one metal ion from the active-site without further equilibrating the protein structure.

It is worth noting that the calculations of this section were performed when system 2 was fixed in the QM/MM geometry optimization.

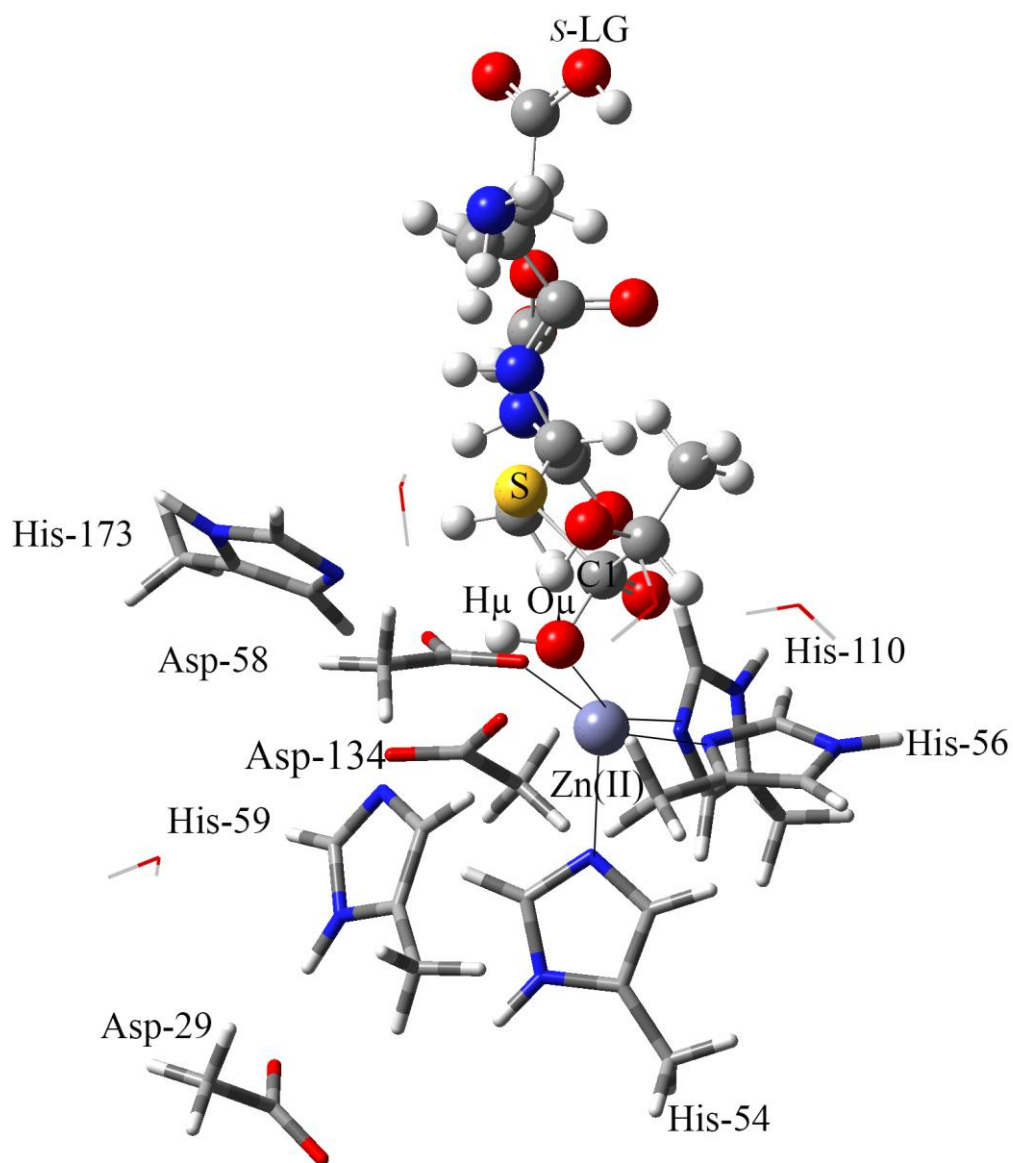


Figure S16. Optimized structure for the reactant state of **Zn⁻** (**Re(Zn⁻)**). The S-LG, Zn(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively. This structure was obtained when system 2 was fixed in the QM/MM geometry optimization.

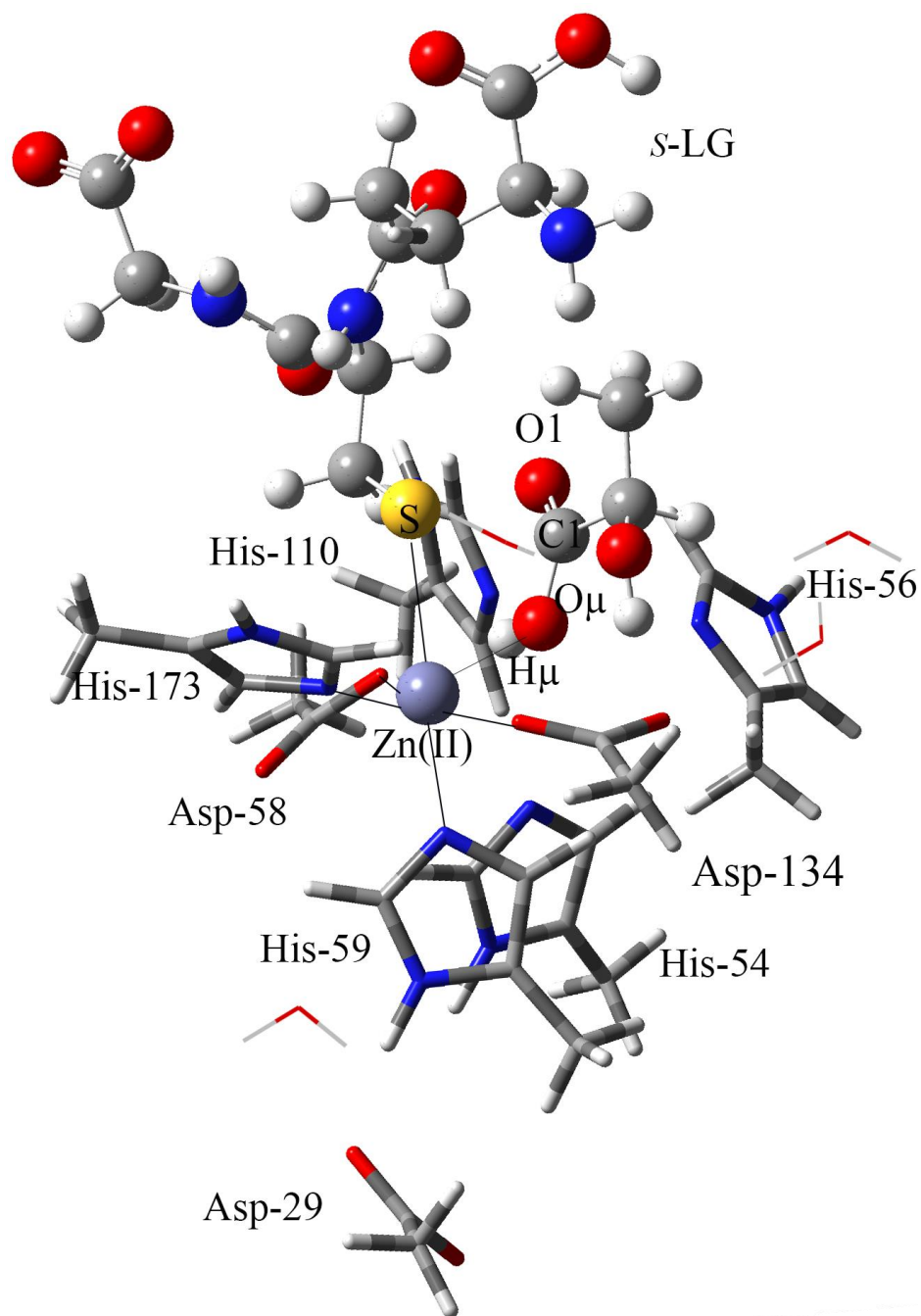


Figure S17. Optimized structure for the reactant state of -/Zn (Re(-/Zn)) . The *S*-LG, Zn(II), and μ -OH are depicted by balls and sticks, while active-site residues and water molecules are represented by tubes and wireframes, respectively. This structure was obtained when system 2 was fixed in the QM/MM geometry optimization.

9. Effects of the Metal Ions on the Atomic Partial Charges

NPA (Natural Population Analysis)⁴ charges for key atoms involved in the reaction mechanism are presented in Table S1. These charges are calculated at the same level of theory as the geometry optimization, taking into account the point charges of system 2 from the surroundings. Examining the impact of charges on the **ZnZn** reaction, the nucleophilic attack of the hydroxide group on C1 (the first step from **Re** to **IM**) leads to a reduction of the negative charge on O μ (from -1.26 to -0.95). This is expected due to the nucleophilic nature of the hydroxide ion. In this step, the charge on the S atom decreases (from 0.14 to -0.11), while the negative charge on the other atom attached to C1, the O1 atom, increases (from -0.60 to -0.84). These changes suggest that the increase in charge on the S, O1, and C1 atoms is roughly equal to the decrease in charge on O μ . Notably, the charges of other atoms, especially the metal ions, remain relatively stable. In the second step of the process (**IM** to **P**), the positive charge on the H μ atom decreases (from 0.50 to 0.13), while the charge on the S atom also experiences a minor reduction. The charge of the metal ions shows no significant change from **IM** to **P**, and the negative charge on O μ decreases slightly (from -0.95 to -0.87).

MAD values of the atomic charges compared to those in the corresponding **ZnZn** states, presented in Table S1, provide insights into the effect of changing the metal ions for the **Re**, **IM**, and **P** states. In the **Re** state, **ZnFe2**, **Fe2Zn**, **ZnCo**, **CoZn**, and **Fe2/3** exhibit the smallest MAD (0.02). **Fe3/2** and **Fe3Zn** have the second smallest MAD, 0.03 , followed by **Fe2/2**, **Fe3/3**, and **CoCo**. The largest MAD value is obtained with **ZnFe3** and **CoCo** (0.10). For **IM**, the lowest MAD is observed for **Fe2Zn**, **ZnCo**, and **Fe3Zn** (0.02), followed by **CoZn** and **Fe3/2** (0.03). For **P**, **ZnFe2** has the lowest MAD, and **Fe2Zn**, **Fe2/3**, and **Fe3/2** have the second lowest MAD. **CoCo** and **ZnFe3** have the largest MAD for the **P** states.

In summary, the analysis of the NPA charges reveals dynamic changes during the reaction mechanism of **ZnZn**, particularly in response to the nucleophilic attack and subsequent steps. Notably, the charges on key atoms involved in the reaction, such as O μ , S, and O1, exhibit significant alterations, highlighting the intricate interplay of charge redistribution. Interestingly, the charges on the metal ions remain relatively stable throughout the reaction steps. The variation of the MAD values for other states underscores the nuanced influence of different metal ion substitutions on the electronic structure during the various stages of the reaction pathway. Overall, changing the metal center in the GlxII enzyme does not have a significant effect on the atomic charges of the atoms directly participating in the reaction.

Table S1. NPA charges for key atoms in the reaction mechanism of GlxII with different metal ion combinations, along with the mean absolute deviation (MAD) from the **ZnZn** combination for these atoms in the **Re**, **IM**, and **P** states.

	Re											
	ZnZn	ZnFe2	Fe2Zn	Fe2/2	ZnCo	CoZn	CoCo	ZnFe3	Fe3Zn	Fe2/3	Fe3/2	Fe3/3
M1	1.63	1.68	1.57	1.56	1.67	1.53	1.52	1.69	1.40	1.58	1.58	1.81
M2	1.67	1.51	1.64	1.51	1.48	1.64	1.47	1.75	1.64	1.73	1.73	1.70
S	0.20	0.19	0.18	0.17	0.20	0.15	0.17	0.15	0.23	0.17	0.17	0.20
H _μ	0.48	0.48	0.48	0.48	0.49	0.48	0.48	0.49	0.49	0.49	0.49	0.49
C1	0.39	0.40	0.40	0.40	0.39	0.41	0.41	0.42	0.40	0.41	0.41	0.41
O _μ	-1.27	-1.24	-1.23	-1.18	-1.24	-1.21	-1.17	-1.20	-1.07	-1.15	-1.15	-1.13
OD1	-0.78	-0.79	-0.82	-0.83	-0.79	-0.83	-0.82	-0.81	-0.83	-0.81	-0.81	-0.80
O1	-0.58	-0.58	-0.62	-0.62	-0.58	-0.61	-0.61	-0.60	-0.65	-0.61	-0.62	-0.65
ND1	-0.72	-0.72	-0.69	-0.69	-0.72	-0.66	-0.66	-0.73	-0.61	-0.70	-0.70	-0.71
Ha	0.51	0.51	0.48	0.49	0.51	0.49	0.49	0.50	0.50	0.50	0.50	0.50
Hw	0.49	0.49	0.49	0.48	0.49	0.48	0.49	0.48	0.48	0.48	0.48	0.48
MAD	0.00	0.02	0.03	0.05	0.03	0.04	0.05	0.03	0.07	0.03	0.03	0.04
	IM											
	ZnZn	ZnFe2	Fe2Zn	Fe2/2	ZnCo	CoZn	CoCo	ZnFe3	Fe3Zn	Fe2/3	Fe3/2	Fe3/3
M1	1.69	1.69	1.58	1.57	1.69	1.52	1.52	1.69	1.34	1.58	1.58	1.82
M2	1.64	1.50	1.63	1.50	1.47	1.63	1.46	1.71	1.63	1.69	1.69	1.64
S	-0.05	-0.09	-0.06	-0.12	-0.07	-0.06	-0.08	-0.11	0.03	-0.06	-0.07	0.00
H _μ	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51
C1	0.53	0.56	0.53	0.57	0.55	0.54	0.56	0.58	0.52	0.56	0.56	0.56
O _μ	-0.95	-0.93	-0.96	-0.93	-0.93	-0.93	-0.91	-0.93	-0.90	-0.92	-0.93	-0.95
OD1	-0.83	-0.82	-0.83	-0.83	-0.83	-0.84	-0.84	-0.80	-0.82	-0.80	-0.80	-0.74
O1	-0.85	-0.84	-0.82	-0.81	-0.84	-0.84	-0.83	-0.80	-0.75	-0.80	-0.79	-0.80
ND1	-0.71	-0.72	-0.68	-0.68	-0.71	-0.67	-0.67	-0.73	-0.61	-0.69	-0.69	-0.70
Ha	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Hw	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47
MAD	0.00	0.04	0.02	0.05	0.02	0.03	0.11	0.11	0.02	0.04	0.03	0.05
	P											
	ZnZn	ZnFe2	Fe2Zn	Fe2/2	ZnCo	CoZn	CoCo	ZnFe3	Fe3Zn	Fe2/3	Fe3/2	Fe3/3
M1	1.67	1.68	1.56	1.56	1.68	1.52	1.52	1.68	1.34	1.57	1.57	1.74
M2	1.63	1.48	1.61	1.46	1.44	1.61	1.42	1.67	1.63	1.65	1.65	1.53
S	-0.17	-0.18	-0.20	-0.19	-0.17	-0.21	-0.19	-0.23	-0.04	-0.19	-0.19	-0.11
H _μ	0.18	0.20	0.22	0.22	0.23	0.23	0.23	0.28	0.12	0.25	0.25	0.24
C1	0.79	0.81	0.82	0.82	0.81	0.82	0.82	0.81	0.79	0.81	0.81	0.81
O _μ	-0.87	-0.87	-0.82	-0.83	-0.87	-0.82	-0.81	-0.85	-0.70	-0.84	-0.84	-0.84
OD1	-0.75	-0.74	-0.79	-0.78	-0.79	-0.79	-0.79	-0.72	-0.77	-0.72	-0.72	-0.72
O1	-0.70	-0.68	-0.73	-0.73	-0.68	-0.73	-0.73	-0.67	-0.69	-0.66	-0.66	-0.63
ND1	-0.73	-0.74	-0.71	-0.71	-0.75	-0.70	-0.71	-0.76	-0.61	-0.72	-0.72	-0.73
Ha	0.50	0.50	0.49	0.49	0.50	0.49	0.49	0.48	0.49	0.48	0.48	0.48
Hw	0.49	0.49	0.48	0.48	0.47	0.48	0.48	0.47	0.46	0.47	0.47	0.47
MAD	0.00	0.01	0.02	0.05	0.04	0.03	0.11	0.10	0.04	0.02	0.02	0.07

10. Free Energy Barriers for ZnZn and Fe3/Zn States

Table S2. Free energy barriers (ΔG , in kcal/mol) for the **ZnZn** and **Fe3/Zn** states calculated using TPSS/def2-TZVPD and B3LYP/def2-SV(P). The table also presents the molecular mechanics (MM), thermal corrections, and the recalculated ΔG values after removing the MM contribution. All values are reported relative to the reactant state (**Re**).

	ZnZn				
	ΔG (TPSS/def2-TZVPD)	ΔG (B3LYP/def2-SV(P))	MM Correction	Thermal Correction	ΔG (TPSS/def2-TZVPD) without MM Correction
Re	0.0	0.0	0.0	0.0	0.0
TS1	13.2	11.5	-3.9	0.8	17.1
IM	13.2	11.2	-3.3	0.8	16.4
TS2	20.4	21.3	8.6	0.6	11.7
P	1.7	-0.7	6.9	-2.3	-5.2
	Fe3/Zn				
	ΔG (TPSS/def2-TZVPD)	ΔG (B3LYP/def2-SV(P))	MM Correction	Thermal Correction	ΔG (TPSS/def2-TZVPD) without MM Correction
Re	0.0	0.0	0.0	0.0	0.0
TS1	6.5	14.8	0.8	0.9	5.7
IM	6.8	6.1	4.2	1.4	2.7
TS2	37.0	47.2	12.4	-2.7	24.6
P	14.2	19.3	9.2	-1.1	5.0

11. References

- 1 D. S. BIOVIA, *Ca, Usa*.
- 2 S.-L. Chen, W.-H. Fang and F. Himo, *J. Inorg. Biochem.*, 2009, **103**, 274–281.
- 3 P. Limphong, R. M. McKinney, N. E. Adams, B. Bennett, C. A. Makaroff, T. Gunasekera and M. W. Crowder, *Biochemistry*, 2009, **48**, 5426–5434.
- 4 A. E. Reed, R. B. Weinstock and F. Weinhold, *J. Chem. Phys.*, 1985, **83**, 735–746.

12. Cartesian coordinates of the QM system in the various stationary structures.

Re(Zn-Zn)			
H	7.26400	-8.16700	-1.43000
C	6.52600	-7.76200	-0.68600
H	5.50500	-8.00100	-1.03700
H	6.60600	-8.27800	0.28400
C	6.66800	-6.25100	-0.41600
O	7.70400	-5.63200	-0.74300
O	5.69400	-5.70700	0.25300
H	10.00800	-1.44900	2.60200
C	9.40400	-1.04500	3.45500
H	10.10100	-0.65900	4.21900
H	8.86600	-0.17400	3.03300
C	8.44800	-1.97100	4.14300
N	7.33700	-2.60500	3.59200
H	7.09500	-2.70300	2.59100
C	6.65000	-3.21800	4.58800
H	5.73900	-3.79600	4.42500
N	7.24500	-3.00600	5.76400
C	8.36600	-2.23800	5.49500
H	9.04300	-1.93300	6.29100
H	10.94300	-5.14600	6.66900
C	9.93000	-4.93200	7.09600
H	9.23000	-4.82700	6.24600
H	9.59900	-5.81000	7.68000
C	9.90300	-3.72400	7.98900
N	8.69400	-3.20500	8.45200
C	9.00100	-2.21200	9.29100
H	8.28200	-1.56700	9.79800
N	10.34200	-2.06900	9.38800
H	10.84800	-1.36500	9.95600
C	10.93500	-3.00800	8.57100
H	12.02100	-3.08400	8.49100
H	8.21900	-9.95100	5.89600
C	7.40900	-9.84600	6.64900
H	6.50200	-10.32200	6.26300
H	7.75400	-10.43700	7.52500
C	7.11000	-8.44000	7.15000
O	8.05500	-7.66600	7.51100
O	5.86800	-8.12300	7.23300
H	8.60000	-7.46600	2.38900
C	8.35300	-6.37200	2.49100
H	9.20700	-5.87000	2.98300
H	8.22100	-5.92700	1.48600
C	7.13000	-6.22500	3.34700
N	5.84200	-6.19100	2.84800
H	5.62000	-6.14200	1.79500
C	4.98100	-6.18300	3.88700
H	3.90000	-6.19800	3.78800
N	5.64600	-6.20000	5.05200
C	6.99100	-6.22900	4.72400
H	7.76600	-6.29400	5.48600
H	6.14200	2.63300	8.40600
C	5.47700	1.94800	7.83100
H	4.44100	2.31000	7.95900
H	5.71200	2.03500	6.75500
C	5.60100	0.52500	8.25000
N	4.97700	0.01800	9.37500
H	4.48900	0.58400	10.07900
C	5.26000	-1.30300	9.47300
H	4.88000	-1.93700	10.26800
N	6.05500	-1.68200	8.47000
C	6.27400	-0.54600	7.70500
H	6.87800	-0.57900	6.79800
H	3.00800	-1.54500	5.59700
C	3.67700	-2.01500	6.35800
H	4.68000	-1.57200	6.23900
H	3.34900	-1.73600	7.37900

C	3.79700	-3.53700	6.29000
O	3.14000	-4.25500	5.53000
O	4.64900	-4.05100	7.16400
H	-0.83400	-7.73500	5.69400
C	-0.54600	-7.45400	6.74200
H	-0.93500	-6.43900	6.92800
H	-1.05400	-8.13700	7.44800
C	0.92700	-7.49000	6.99200
N	1.60800	-8.65300	7.32600
H	1.19000	-9.58800	7.45900
C	2.91600	-8.35400	7.49400
H	3.67400	-9.09300	7.73900
N	3.13400	-7.05000	7.29100
C	1.89300	-6.50100	6.98600
H	1.81200	-5.45600	6.70000
Zn	6.67500	-3.56100	7.70400
O	6.60500	-5.51700	8.12900
H	7.31300	-6.11200	7.74100
Zn	4.97700	-6.12300	6.98000
O	1.98200	-8.94300	16.39500
C	3.19600	-8.87000	16.29700
O	3.94400	-9.06600	17.38400
H	4.96000	-9.00400	17.22700
C	3.92200	-8.62600	14.96200
N	4.45700	-9.95600	14.56300
H	5.27900	-10.17300	15.14800
H	4.80700	-9.89700	13.59500
H	4.72200	-7.87100	15.11600
C	2.93000	-8.13700	13.90100
H	2.17300	-8.92800	13.77200
H	3.46000	-8.03200	12.93300
C	2.19500	-6.81200	14.26200
H	1.15000	-6.89000	13.92100
H	2.16600	-6.67700	15.35700
C	2.82500	-5.57200	13.65300
O	3.81000	-4.98500	14.14100
N	2.23100	-5.13300	12.50400
H	1.43200	-5.66700	12.14700
C	2.76100	-4.03000	11.72800
C	1.79200	-2.85700	11.49100
O	2.21900	-1.85900	10.88300
N	0.53200	-3.03400	11.92600
C	-0.52300	-2.03300	11.87800
C	-1.31200	-1.98900	13.20600
O	-0.85200	-2.64300	14.17600
O	-2.36200	-1.27300	13.21000
H	-1.22600	-2.22800	11.04600
H	-0.06900	-1.04700	11.68500
H	0.32300	-3.85800	12.50700
H	3.60100	-3.63600	12.32400
C	3.32100	-4.48500	10.36800
H	2.53400	-4.88500	9.70300
H	3.78300	-3.64700	9.82600
S	4.57100	-5.80100	10.54100
C	5.92700	-4.71600	11.01000
O	5.80500	-3.51400	11.14500
C	7.24800	-5.42800	11.22500
C	7.46400	-5.76700	12.70200
H	7.41800	-4.84800	13.31400
H	6.68500	-6.46200	13.06700
H	8.46300	-6.22200	12.83700
H	8.03900	-4.73300	10.88100
O	7.24300	-6.61300	10.43300
H	6.93200	-6.29200	9.49000
O	4.03200	-8.69400	2.25000
H	3.36800	-8.77300	1.52000
H	4.72600	-9.36300	1.94200
O	10.53300	-4.96900	11.10500
H	10.30000	-5.73100	10.51400
H	11.48800	-4.74500	10.86900

O	9.65400	-7.46500	9.76400
H	8.76300	-7.15800	10.13500
H	9.40000	-7.59300	8.81000
O	5.04300	-8.98000	9.70900
H	5.22500	-8.39400	8.93100
H	4.06700	-8.96700	9.90400

Re(ZnFe2)			
H	7.27800	-8.16700	-1.42500
C	6.54300	-7.76500	-0.67600
H	5.52000	-8.00400	-1.02400
H	6.63300	-8.28500	0.29100
C	6.68200	-6.25700	-0.39800
O	7.72200	-5.63900	-0.71400
O	5.70400	-5.71400	0.26500
H	10.01100	-1.45300	2.60400
C	9.40500	-1.04800	3.45400
H	10.09600	-0.65400	4.21900
H	8.86100	-0.18300	3.02600
C	8.45800	-1.97800	4.14800
N	7.35500	-2.63200	3.60500
H	7.11000	-2.73600	2.60500
C	6.67800	-3.24300	4.60900
H	5.77100	-3.83300	4.46300
N	7.27400	-3.01100	5.78100
C	8.38400	-2.23400	5.50300
H	9.05800	-1.91300	6.29700
H	10.95000	-5.15400	6.68000
C	9.94100	-4.93800	7.11500
H	9.23300	-4.83900	6.27100
H	9.61500	-5.81000	7.71200
C	9.92800	-3.72100	7.99600
N	8.72700	-3.17900	8.45500
C	9.04900	-2.18000	9.28200
H	8.34100	-1.51500	9.77600
N	10.39300	-2.05800	9.37700
H	10.90900	-1.35500	9.93700
C	10.97100	-3.01500	8.57000
H	12.05500	-3.10800	8.49000
H	8.20000	-9.94800	5.93400
C	7.38800	-9.83300	6.68700
H	6.47400	-10.28800	6.29200
H	7.71800	-10.44500	7.55500
C	7.11000	-8.43200	7.21000
O	8.06300	-7.67400	7.59000
O	5.87400	-8.09600	7.29800
H	8.59400	-7.48400	2.42200
C	8.34600	-6.39100	2.53000
H	9.19700	-5.89300	3.03100
H	8.22100	-5.94000	1.52800
C	7.11600	-6.25000	3.37800
N	5.83300	-6.18100	2.86700
H	5.61900	-6.12700	1.81300
C	4.96300	-6.17300	3.90000
H	3.88300	-6.16600	3.79200
N	5.61600	-6.22800	5.07200
C	6.96400	-6.28100	4.75300
H	7.73200	-6.36900	5.52000
H	6.12400	2.65700	8.39000
C	5.45200	1.98200	7.81200
H	4.42000	2.34600	7.96000
H	5.66900	2.07600	6.73400
C	5.58000	0.55700	8.22400
N	4.94000	0.04300	9.33500
H	4.43200	0.60400	10.03000
C	5.24600	-1.27200	9.44700
H	4.85200	-1.91300	10.22800
N	6.07300	-1.63900	8.46600
C	6.28800	-0.50300	7.70000
H	6.91300	-0.53000	6.80700
H	3.01400	-1.53200	5.60900
C	3.68000	-1.99200	6.37900
H	4.68000	-1.53800	6.27400
H	3.33400	-1.71500	7.39400
C	3.82400	-3.51200	6.32800
O	3.17400	-4.25600	5.58400
O	4.68800	-4.00300	7.20100

H	-0.85900	-7.73200	5.68500
C	-0.57700	-7.44000	6.73000
H	-0.95300	-6.41500	6.89600
H	-1.10100	-8.10400	7.44300
C	0.89300	-7.49100	6.99300
N	1.55900	-8.66200	7.33000
H	1.13100	-9.59300	7.44800
C	2.86800	-8.37400	7.51700
H	3.61500	-9.12200	7.77400
N	3.10100	-7.07200	7.32300
C	1.86800	-6.51100	7.00300
H	1.80200	-5.46200	6.72400
Zn	6.70800	-3.51800	7.72800
O	6.63100	-5.48000	8.14400
H	7.34400	-6.08000	7.77700
Fe	4.98000	-6.11400	7.04500
O	1.97300	-8.88800	16.36700
C	3.18900	-8.83300	16.28500
O	3.91800	-9.00300	17.39000
H	4.93700	-8.96700	17.24600
C	3.94600	-8.63600	14.96100
N	4.48600	-9.97800	14.61400
H	5.28100	-10.18600	15.23800
H	4.87800	-9.93800	13.66100
H	4.74400	-7.87900	15.11200
C	2.99000	-8.17600	13.85400
H	2.24900	-8.98000	13.70800
H	3.56000	-8.08600	12.90700
C	2.22600	-6.85400	14.15100
H	1.19400	-6.95400	13.77600
H	2.15300	-6.69000	15.24000
C	2.86300	-5.62000	13.53600
O	3.86800	-5.05200	14.00500
N	2.24800	-5.16000	12.40600
H	1.44900	-5.69400	12.04900
C	2.77000	-4.05000	11.63400
C	1.79700	-2.87500	11.42700
O	2.21600	-1.86800	10.82800
N	0.54300	-3.05500	11.88000
C	-0.51300	-2.05400	11.84700
C	-1.28600	-1.99600	13.18400
O	-0.81700	-2.64100	14.15600
O	-2.33400	-1.27900	13.19200
H	-1.22800	-2.25200	11.02700
H	-0.06100	-1.06900	11.64200
H	0.33900	-3.88800	12.45200
H	3.61700	-3.66200	12.22300
C	3.31700	-4.49400	10.26400
H	2.52500	-4.87800	9.59500
H	3.79500	-3.66000	9.72900
S	4.54800	-5.82700	10.44000
C	5.92700	-4.75700	10.88500
O	5.83500	-3.54700	10.96000
C	7.22100	-5.48600	11.18300
C	7.38900	-5.74400	12.68200
H	7.39700	-4.78200	13.22500
H	6.56300	-6.36000	13.08300
H	8.35500	-6.25100	12.86300
H	8.04200	-4.83400	10.82600
O	7.21300	-6.71800	10.45900
H	6.93100	-6.43800	9.51300
O	4.01300	-8.68200	2.28000
H	3.34800	-8.76600	1.55200
H	4.71700	-9.33700	1.96600
O	10.51700	-4.97700	11.12000
H	10.30000	-5.75200	10.54000
H	11.47000	-4.74200	10.88800
O	9.66900	-7.47800	9.80400
H	8.76900	-7.20900	10.17400
H	9.42000	-7.60600	8.84800

O	5.01900	-9.03000	9.73200
H	5.20000	-8.42300	8.96900
H	4.04300	-9.01400	9.93000

Re(Fe2Zn)

H	7.29600	-8.17500	-1.42200
C	6.56700	-7.77500	-0.66600
H	5.54200	-8.02600	-0.99500
H	6.68100	-8.28700	0.30300
C	6.69800	-6.26500	-0.39700
O	7.73300	-5.64200	-0.71700
O	5.71900	-5.72800	0.27000
H	9.98800	-1.46200	2.62700
C	9.38000	-1.06200	3.48000
H	10.07300	-0.66700	4.24300
H	8.83800	-0.19500	3.05300
C	8.42800	-1.98800	4.17500
N	7.32100	-2.63600	3.63000
H	7.08000	-2.74100	2.63000
C	6.63300	-3.23500	4.63600
H	5.72300	-3.81800	4.48000
N	7.22400	-3.00700	5.81100
C	8.34400	-2.24100	5.53000
H	9.01900	-1.91800	6.32200
H	10.96500	-5.14000	6.70900
C	9.95200	-4.94000	7.14000
H	9.23500	-4.85500	6.30300
H	9.65600	-5.82200	7.74100
C	9.91900	-3.71500	8.01000
N	8.70600	-3.21700	8.49600
C	9.01200	-2.17700	9.27900
H	8.29200	-1.54500	9.79800
N	10.35200	-1.98300	9.31800
H	10.85400	-1.26400	9.87300
C	10.95000	-2.94200	8.52600
H	12.03400	-2.99200	8.41500
H	8.21300	-9.92900	5.99500
C	7.39500	-9.87000	6.74800
H	6.50500	-10.34800	6.32200
H	7.75000	-10.50000	7.59200
C	7.02600	-8.52200	7.34300
O	7.92000	-7.80700	7.94400
O	5.80500	-8.18300	7.30800
H	8.59800	-7.47600	2.45200
C	8.34600	-6.38400	2.54700
H	9.19600	-5.87500	3.03900
H	8.21500	-5.94100	1.54200
C	7.11300	-6.24900	3.39100
N	5.83400	-6.22600	2.86500
H	5.63100	-6.17300	1.80700
C	4.95100	-6.23500	3.88500
H	3.87400	-6.26300	3.76400
N	5.59400	-6.25000	5.06200
C	6.94500	-6.26200	4.76400
H	7.70400	-6.29500	5.54500
H	6.11900	2.65200	8.41800
C	5.42100	1.98100	7.86800
H	4.39800	2.36000	8.04300
H	5.61300	2.06700	6.78400
C	5.54900	0.55600	8.27600
N	4.95700	0.03400	9.41100
H	4.48300	0.59400	10.13000
C	5.25900	-1.28400	9.49500
H	4.88300	-1.93900	10.27400
N	6.03700	-1.64200	8.47100
C	6.22300	-0.50200	7.70800
H	6.81200	-0.52300	6.79100
H	2.97700	-1.51900	5.58600
C	3.63500	-1.99600	6.34800
H	4.64600	-1.56900	6.23200
H	3.30700	-1.71800	7.36900
C	3.74500	-3.52100	6.27900
O	3.11100	-4.23800	5.49500
O	4.56600	-4.03500	7.17700

H	-0.85800	-7.75600	5.65800
C	-0.57000	-7.47600	6.70500
H	-0.95100	-6.45600	6.88600
H	-1.08500	-8.15200	7.41300
C	0.90100	-7.51700	6.96300
N	1.57900	-8.66900	7.33900
H	1.16000	-9.59900	7.50500
C	2.88500	-8.36500	7.51400
H	3.64100	-9.09800	7.78700
N	3.10200	-7.06800	7.27400
C	1.86600	-6.52900	6.93600
H	1.79300	-5.49100	6.61800
Fe	6.63800	-3.57000	7.78200
O	6.52500	-5.49900	8.03400
H	7.22900	-6.19200	7.92800
Zn	4.90500	-6.10300	6.96600
O	1.95400	-8.89400	16.38800
C	3.17000	-8.83500	16.29300
O	3.91000	-9.02300	17.38900
H	4.92600	-8.98500	17.23600
C	3.91200	-8.61400	14.96600
N	4.51000	-9.93000	14.62000
H	5.28600	-10.11700	15.27400
H	4.95400	-9.83900	13.68800
H	4.67600	-7.81900	15.10900
C	2.92600	-8.20900	13.86400
H	2.19100	-9.02600	13.77000
H	3.46900	-8.15000	12.90000
C	2.15600	-6.88700	14.13100
H	1.13800	-6.98400	13.71800
H	2.04800	-6.72400	15.21700
C	2.81900	-5.66200	13.53000
O	3.79800	-5.08000	14.03400
N	2.26600	-5.22500	12.36000
H	1.49900	-5.77400	11.96000
C	2.82000	-4.12200	11.60000
C	1.85600	-2.93200	11.40200
O	2.28700	-1.91800	10.82700
N	0.59700	-3.10900	11.84500
C	-0.45500	-2.09900	11.81600
C	-1.22200	-2.01900	13.15700
O	-0.74400	-2.64100	14.14000
O	-2.27600	-1.31100	13.15400
H	-1.17800	-2.30400	11.00400
H	0.00200	-1.12100	11.59500
H	0.38200	-3.95100	12.39800
H	3.66100	-3.75100	12.21000
C	3.37800	-4.58100	10.23600
H	2.57600	-4.90900	9.54900
H	3.92300	-3.77600	9.71900
S	4.53000	-5.98800	10.43300
C	6.05200	-5.03600	10.53800
O	6.09600	-3.82000	10.42400
C	7.26800	-5.85200	10.95900
C	7.44600	-5.75900	12.47900
H	7.57900	-4.70800	12.78800
H	6.56100	-6.16900	13.00300
H	8.34300	-6.33200	12.77800
H	8.12900	-5.37000	10.45900
O	7.15600	-7.21700	10.60000
H	7.22400	-7.30000	9.60700
O	4.02000	-8.70000	2.26900
H	3.35600	-8.79100	1.53900
H	4.73300	-9.34700	1.95700
O	10.39400	-4.51200	11.13400
H	10.04600	-4.37800	10.22800
H	11.40200	-4.45600	11.01100
O	10.04900	-7.58400	9.60500
H	9.81300	-6.76600	10.08900
H	9.34100	-7.70000	8.90600

O	4.93600	-9.14300	9.84600
H	5.10800	-8.43400	9.18300
H	3.95100	-9.14100	10.02700

Re(Fe2/2)			
H	7.28100	-8.16500	-1.43400
C	6.54700	-7.75500	-0.68700
H	5.52300	-8.00000	-1.02700
H	6.64300	-8.26300	0.28600
C	6.69000	-6.24200	-0.43400
O	7.73700	-5.63500	-0.74800
O	5.70800	-5.68500	0.21000
H	10.03300	-1.43600	2.57700
C	9.43200	-1.02700	3.43000
H	10.13000	-0.63700	4.19100
H	8.89500	-0.15700	3.00400
C	8.47900	-1.94500	4.13100
N	7.36800	-2.59100	3.59400
H	7.12400	-2.70400	2.59500
C	6.68300	-3.18400	4.60600
H	5.77200	-3.76700	4.45900
N	7.28200	-2.95100	5.77700
C	8.40200	-2.19100	5.48700
H	9.08600	-1.87500	6.27400
H	10.96400	-5.10600	6.66600
C	9.95900	-4.89200	7.10000
H	9.23800	-4.78400	6.27000
H	9.65500	-5.77500	7.69400
C	9.95600	-3.68600	7.99400
N	8.75500	-3.17000	8.47900
C	9.07600	-2.18200	9.32000
H	8.36500	-1.53400	9.83300
N	10.42400	-2.04200	9.40000
H	10.93700	-1.33200	9.95400
C	11.00200	-2.97800	8.56500
H	12.08600	-3.05800	8.46700
H	8.20000	-9.91200	5.94600
C	7.38300	-9.84300	6.69800
H	6.49200	-10.32400	6.27700
H	7.73600	-10.45600	7.55400
C	7.02700	-8.47500	7.24900
O	7.93000	-7.76900	7.86100
O	5.82500	-8.09900	7.17200
H	8.59600	-7.45200	2.41000
C	8.35000	-6.35700	2.50100
H	9.20100	-5.85000	2.99300
H	8.22500	-5.92100	1.49200
C	7.11600	-6.20600	3.34100
N	5.84100	-6.13200	2.81100
H	5.63800	-6.07700	1.75600
C	4.95600	-6.12100	3.83000
H	3.87900	-6.11000	3.70500
N	5.59000	-6.18000	5.01100
C	6.94200	-6.23900	4.71500
H	7.69500	-6.31200	5.50000
H	6.11800	2.67500	8.44900
C	5.42000	2.00100	7.90400
H	4.39500	2.36600	8.09400
H	5.59700	2.09700	6.81900
C	5.56800	0.57400	8.29700
N	4.97900	0.02700	9.42200
H	4.48800	0.56700	10.14500
C	5.31400	-1.28500	9.49500
H	4.94900	-1.95900	10.26300
N	6.11000	-1.61200	8.47600
C	6.27400	-0.46200	7.72500
H	6.86900	-0.46200	6.81100
H	2.99300	-1.49500	5.60400
C	3.65900	-1.95600	6.37100
H	4.66200	-1.51100	6.25100
H	3.32600	-1.67200	7.38900
C	3.79900	-3.47700	6.32300
O	3.14600	-4.22900	5.58500
O	4.66600	-3.95800	7.18800

H	-0.86900	-7.79000	5.65600
C	-0.57600	-7.53300	6.70700
H	-0.96500	-6.52000	6.91000
H	-1.08100	-8.22900	7.40200
C	0.89700	-7.56100	6.95900
N	1.58500	-8.69600	7.36800
H	1.17800	-9.62600	7.56200
C	2.88800	-8.37000	7.54800
H	3.65700	-9.07600	7.85500
N	3.09000	-7.07700	7.27200
C	1.85100	-6.56300	6.91200
H	1.77100	-5.53200	6.57500
Fe	6.72500	-3.51700	7.74700
O	6.59600	-5.44600	7.93600
H	7.28500	-6.16100	7.85900
Fe	4.93500	-6.09100	6.96600
O	1.99800	-8.78100	16.32300
C	3.21600	-8.77100	16.24900
O	3.92900	-8.91500	17.37000
H	4.94700	-8.94500	17.23000
C	3.99400	-8.64900	14.93100
N	4.57900	-9.99300	14.67800
H	5.32200	-10.16400	15.37400
H	5.06600	-9.95000	13.76500
H	4.76800	-7.85900	15.04900
C	3.05400	-8.29800	13.77200
H	2.31900	-9.11800	13.69300
H	3.63600	-8.29500	12.83000
C	2.27000	-6.96900	13.92300
H	1.28800	-7.08400	13.43300
H	2.06600	-6.77000	14.99000
C	2.96800	-5.75100	13.34500
O	4.00500	-5.24800	13.81900
N	2.36100	-5.22000	12.24400
H	1.55800	-5.72700	11.86000
C	2.90900	-4.10300	11.50200
C	1.94100	-2.90600	11.35000
O	2.35300	-1.88600	10.77000
N	0.69500	-3.08600	11.83100
C	-0.37800	-2.09700	11.79500
C	-1.17200	-2.03500	13.12300
O	-0.70400	-2.65500	14.11200
O	-2.23500	-1.34000	13.10500
H	-1.08500	-2.31400	10.97200
H	0.06100	-1.10800	11.58400
H	0.49600	-3.93200	12.38600
H	3.76900	-3.75300	12.09800
C	3.42700	-4.53800	10.11100
H	2.60300	-4.84800	9.44400
H	3.97400	-3.73800	9.58900
S	4.54900	-5.97400	10.24000
C	6.10100	-5.09200	10.44200
O	6.18900	-3.87200	10.43900
C	7.27200	-6.00500	10.79800
C	7.49800	-5.96900	12.31600
H	7.70400	-4.93700	12.65300
H	6.60000	-6.32800	12.85500
H	8.36600	-6.60400	12.57100
H	8.15400	-5.59100	10.27900
O	7.03800	-7.34500	10.39700
H	7.29700	-7.43700	9.42700
O	4.01500	-8.68200	2.28900
H	3.33600	-8.76800	1.57400
H	4.71700	-9.33300	1.96200
O	10.56300	-5.23800	10.83500
H	10.07500	-4.44100	10.53900
H	11.54000	-4.96600	10.74500
O	10.16100	-7.59900	9.41400
H	10.15700	-6.70100	9.84200
H	9.42400	-7.63300	8.74800

O	4.86400	-9.17500	10.01700
H	5.07500	-8.30200	9.62200
H	3.87400	-9.18300	10.17600

Re(ZnCo)

H	7.24100	-8.17400	-1.40900
C	6.50200	-7.77500	-0.66600
H	5.48100	-8.01800	-1.01600
H	6.58900	-8.28600	0.30500
C	6.64200	-6.26300	-0.40700
O	7.67300	-5.64200	-0.74800
O	5.67700	-5.72000	0.27400
H	10.01400	-1.45500	2.59000
C	9.40900	-1.04900	3.44200
H	10.10200	-0.66000	4.20800
H	8.86900	-0.18100	3.01700
C	8.45400	-1.97500	4.13400
N	7.34700	-2.61900	3.58600
H	7.10800	-2.72500	2.58600
C	6.66200	-3.22800	4.58500
H	5.75300	-3.81200	4.42600
N	7.25500	-3.00400	5.76100
C	8.37300	-2.23400	5.48700
H	9.04900	-1.92100	6.28100
H	10.94200	-5.14300	6.67200
C	9.93100	-4.92700	7.10200
H	9.23000	-4.82300	6.25400
H	9.59900	-5.80200	7.69100
C	9.91300	-3.71500	7.99000
N	8.70700	-3.19100	8.45500
C	9.02000	-2.19600	9.29100
H	8.30600	-1.54800	9.80000
N	10.36200	-2.05800	9.38300
H	10.87200	-1.35200	9.94600
C	10.94900	-3.00100	8.56600
H	12.03400	-3.08100	8.48300
H	8.20200	-9.93900	5.91100
C	7.39600	-9.82800	6.66600
H	6.49000	-10.31400	6.29000
H	7.74900	-10.40100	7.55000
C	7.09700	-8.41400	7.13800
O	8.04300	-7.64500	7.52000
O	5.85900	-8.08500	7.18600
H	8.58700	-7.46800	2.39800
C	8.33500	-6.37500	2.49900
H	9.19100	-5.86800	2.98400
H	8.19300	-5.93300	1.49500
C	7.11700	-6.23200	3.36500
N	5.82500	-6.20000	2.87400
H	5.59700	-6.15500	1.82400
C	4.97100	-6.19200	3.92200
H	3.89000	-6.21000	3.83000
N	5.64500	-6.20800	5.08300
C	6.98700	-6.23600	4.74400
H	7.76900	-6.29800	5.49900
H	6.15100	2.64500	8.40200
C	5.49100	1.96100	7.82100
H	4.45400	2.32400	7.94400
H	5.73400	2.04900	6.74800
C	5.61200	0.53800	8.24000
N	4.98200	0.03000	9.36000
H	4.48900	0.59500	10.06300
C	5.26500	-1.29100	9.45900
H	4.88100	-1.92700	10.25100
N	6.06800	-1.66900	8.46200
C	6.29100	-0.53200	7.69800
H	6.90100	-0.56500	6.79600
H	3.00200	-1.52200	5.60200
C	3.66500	-1.98700	6.36900
H	4.66700	-1.54000	6.25900
H	3.32600	-1.71400	7.38700
C	3.79400	-3.50500	6.29500
O	3.15500	-4.23600	5.53300
O	4.64400	-4.01900	7.17700

H	-0.85200	-7.72900	5.67400
C	-0.55200	-7.43000	6.71300
H	-0.92600	-6.40500	6.88000
H	-1.06600	-8.09100	7.43600
C	0.92300	-7.47900	6.95900
N	1.59600	-8.65200	7.26900
H	1.16700	-9.58600	7.35700
C	2.90600	-8.36500	7.44900
H	3.65700	-9.11300	7.68800
N	3.13500	-7.05900	7.27600
C	1.89500	-6.49600	6.98100
H	1.81800	-5.44400	6.72100
Zn	6.70100	-3.54500	7.70400
O	6.61200	-5.50200	8.10800
H	7.31500	-6.11700	7.73500
Co	4.95200	-6.05100	7.00500
O	1.99700	-8.89900	16.35400
C	3.21300	-8.83500	16.26800
O	3.94800	-9.01600	17.36800
H	4.96600	-8.97300	17.22000
C	3.95800	-8.61800	14.94000
N	4.49800	-9.95600	14.57500
H	5.31400	-10.16100	15.17300
H	4.85700	-9.91400	13.60900
H	4.75500	-7.85800	15.09200
C	2.98800	-8.15500	13.84700
H	2.25000	-8.96300	13.70500
H	3.54500	-8.05400	12.89400
C	2.21600	-6.84200	14.16400
H	1.18700	-6.94100	13.77900
H	2.13500	-6.70000	15.25600
C	2.84700	-5.59400	13.57300
O	3.83900	-5.01800	14.05900
N	2.24000	-5.13300	12.43900
H	1.44900	-5.67000	12.07100
C	2.76400	-4.01900	11.67500
C	1.78700	-2.85000	11.45400
O	2.20600	-1.84700	10.84900
N	0.53200	-3.03300	11.90200
C	-0.52700	-2.03400	11.86400
C	-1.30900	-1.98800	13.19500
O	-0.84500	-2.64000	14.16500
O	-2.35800	-1.27200	13.20200
H	-1.23300	-2.22900	11.03500
H	-0.07400	-1.04800	11.66800
H	0.32900	-3.86400	12.47700
H	3.60300	-3.62600	12.27100
C	3.32100	-4.46200	10.31000
H	2.53200	-4.85900	9.64600
H	3.78600	-3.62200	9.77300
S	4.56400	-5.78500	10.47600
C	5.92300	-4.71600	10.96900
O	5.81200	-3.51200	11.09900
C	7.23300	-5.43800	11.21600
C	7.42200	-5.77200	12.69800
H	7.39100	-4.84700	13.30100
H	6.62500	-6.44700	13.06100
H	8.41000	-6.24600	12.84700
H	8.03700	-4.75100	10.88700
O	7.23600	-6.62800	10.43000
H	6.93800	-6.31500	9.48800
O	4.00400	-8.69300	2.25700
H	3.33400	-8.77200	1.53300
H	4.69900	-9.35800	1.94200
O	10.51800	-4.96300	11.11200
H	10.29200	-5.72100	10.51500
H	11.47500	-4.73600	10.88500
O	9.65600	-7.46300	9.75700
H	8.76800	-7.16500	10.13800
H	9.39100	-7.59000	8.80500

O	5.04400	-8.96400	9.66200
H	5.21000	-8.37000	8.88600
H	4.06800	-8.96700	9.86100

Re(CoZn)			
H	7.24900	-8.18100	-1.42000
C	6.50900	-7.78000	-0.68000
H	5.48800	-8.03500	-1.02200
H	6.60500	-8.27800	0.29800
C	6.64000	-6.26300	-0.44400
O	7.67100	-5.64300	-0.78700
O	5.66800	-5.71400	0.22200
H	10.01800	-1.44300	2.58500
C	9.41400	-1.03500	3.43700
H	10.10900	-0.64800	4.20200
H	8.88200	-0.16300	3.00900
C	8.45100	-1.95100	4.12800
N	7.34700	-2.59800	3.57700
H	7.11700	-2.71500	2.57600
C	6.65000	-3.19100	4.57900
H	5.74300	-3.77500	4.41800
N	7.23200	-2.95400	5.75900
C	8.35300	-2.19000	5.48400
H	9.02200	-1.86800	6.28000
H	10.91700	-5.11900	6.65800
C	9.89600	-4.91300	7.06500
H	9.19900	-4.80900	6.21500
H	9.58200	-5.80100	7.64500
C	9.85300	-3.70700	7.95900
N	8.63700	-3.17700	8.39200
C	8.93600	-2.19300	9.24300
H	8.21300	-1.54200	9.73100
N	10.28200	-2.06800	9.38400
H	10.78500	-1.34900	9.93900
C	10.88400	-3.00900	8.57000
H	11.97000	-3.09400	8.51000
H	8.18800	-9.91300	5.92900
C	7.37500	-9.85000	6.68100
H	6.48200	-10.32500	6.26000
H	7.73000	-10.47000	7.53100
C	7.02300	-8.48400	7.24300
O	7.92600	-7.77800	7.84600
O	5.81400	-8.12500	7.17800
H	8.58600	-7.44500	2.39600
C	8.33000	-6.35100	2.48200
H	9.17500	-5.83300	2.97300
H	8.19800	-5.92200	1.47100
C	7.09800	-6.21100	3.32700
N	5.81500	-6.19500	2.81100
H	5.60000	-6.14800	1.75500
C	4.94100	-6.19200	3.83900
H	3.86300	-6.23200	3.72400
N	5.59100	-6.19200	5.01100
C	6.94000	-6.20800	4.70300
H	7.70100	-6.23800	5.48200
H	6.12900	2.66400	8.44700
C	5.43100	1.98800	7.90200
H	4.40500	2.35500	8.09200
H	5.60700	2.08500	6.81600
C	5.57400	0.56000	8.29400
N	4.98800	0.01600	9.42200
H	4.50800	0.56000	10.15000
C	5.30100	-1.30300	9.48200
H	4.94100	-1.97300	10.25600
N	6.07900	-1.63800	8.45100
C	6.25800	-0.48300	7.70900
H	6.84500	-0.48500	6.79100
H	2.97900	-1.49200	5.59200
C	3.63600	-1.96600	6.35500
H	4.64600	-1.53600	6.24100
H	3.30500	-1.69300	7.37600
C	3.73600	-3.48700	6.27000
O	3.07400	-4.19900	5.51000
O	4.58900	-4.01500	7.13700

H	-0.85400	-7.79000	5.66200
C	-0.54600	-7.53200	6.71100
H	-0.94200	-6.52200	6.91800
H	-1.04100	-8.23200	7.41000
C	0.93000	-7.54900	6.95800
N	1.62500	-8.67100	7.39500
H	1.22400	-9.60100	7.60400
C	2.92500	-8.33500	7.57200
H	3.69800	-9.03100	7.89200
N	3.12100	-7.04700	7.26900
C	1.88000	-6.54700	6.89400
H	1.79500	-5.52400	6.53400
Co	6.55300	-3.50800	7.63900
O	6.56600	-5.42200	7.95500
H	7.29200	-6.08600	7.85000
Zn	4.94700	-6.11700	6.94200
O	1.98600	-8.84200	16.35800
C	3.20300	-8.81000	16.27700
O	3.92500	-8.97400	17.39000
H	4.94300	-8.97400	17.24600
C	3.97000	-8.64100	14.95700
N	4.55700	-9.97500	14.65900
H	5.31000	-10.16000	15.34000
H	5.03300	-9.90700	13.74200
H	4.74100	-7.85200	15.09200
C	3.01600	-8.25700	13.82100
H	2.28100	-9.07500	13.72400
H	3.58700	-8.22300	12.87200
C	2.23400	-6.93100	14.02700
H	1.23500	-7.04000	13.57400
H	2.07500	-6.75000	15.10500
C	2.91400	-5.70700	13.44000
O	3.92100	-5.16500	13.93200
N	2.33200	-5.22200	12.30400
H	1.54900	-5.75100	11.90900
C	2.88500	-4.11100	11.55500
C	1.92300	-2.91400	11.38200
O	2.34900	-1.89600	10.80800
N	0.66900	-3.09000	11.84200
C	-0.39500	-2.09200	11.80400
C	-1.18900	-2.03100	13.13200
O	-0.72400	-2.65700	14.11900
O	-2.24800	-1.33100	13.11800
H	-1.10200	-2.29800	10.97800
H	0.05300	-1.10600	11.59800
H	0.45700	-3.93700	12.39000
H	3.73900	-3.75600	12.15600
C	3.41500	-4.55700	10.17400
H	2.59600	-4.86800	9.50100
H	3.95800	-3.75100	9.65800
S	4.54700	-5.98300	10.31200
C	6.09900	-5.08200	10.47800
O	6.16600	-3.86400	10.50300
C	7.28800	-5.98800	10.78900
C	7.55100	-5.96700	12.30100
H	7.75100	-4.93600	12.64700
H	6.67000	-6.34300	12.85700
H	8.43200	-6.59400	12.52900
H	8.14900	-5.55600	10.25100
O	7.05800	-7.32600	10.37900
H	7.28500	-7.40300	9.39900
O	3.98600	-8.70100	2.26700
H	3.32200	-8.78100	1.53700
H	4.68900	-9.35800	1.95400
O	10.58900	-5.24600	10.84200
H	10.10000	-4.44700	10.55300
H	11.56400	-4.97000	10.74700
O	10.16900	-7.58700	9.40100
H	10.16500	-6.69400	9.83800
H	9.42400	-7.62300	8.74600

O	4.85900	-9.16500	10.06300
H	5.06900	-8.28400	9.68300
H	3.86900	-9.17800	10.22200

Re(CoCo)			
H	7.27800	-8.18300	-1.41100
C	6.54800	-7.78200	-0.66000
H	5.52500	-8.02400	-1.00100
H	6.64500	-8.29500	0.30900
C	6.69200	-6.27100	-0.39800
O	7.72400	-5.65200	-0.74100
O	5.72900	-5.72800	0.28600
H	10.01300	-1.44100	2.59600
C	9.40600	-1.03400	3.44600
H	10.10000	-0.64000	4.20800
H	8.87000	-0.16700	3.01400
C	8.45000	-1.95500	4.14200
N	7.35900	-2.62500	3.59500
H	7.13100	-2.75100	2.59400
C	6.66600	-3.21800	4.59900
H	5.76600	-3.81600	4.44200
N	7.23900	-2.95800	5.77900
C	8.35000	-2.18200	5.50100
H	9.01100	-1.84300	6.29700
H	10.90600	-5.09800	6.68800
C	9.88600	-4.88500	7.09600
H	9.18800	-4.79300	6.24500
H	9.57500	-5.76500	7.68900
C	9.84100	-3.67000	7.97800
N	8.62400	-3.15000	8.42000
C	8.92200	-2.15700	9.26100
H	8.19900	-1.51100	9.75700
N	10.26700	-2.01600	9.38500
H	10.76900	-1.29600	9.93700
C	10.87100	-2.95700	8.57200
H	11.95700	-3.03300	8.50100
H	8.17500	-9.90600	5.98200
C	7.35800	-9.82900	6.73200
H	6.46500	-10.30700	6.31400
H	7.70900	-10.44400	7.58800
C	7.00500	-8.46300	7.29500
O	7.91000	-7.75000	7.88500
O	5.78800	-8.11300	7.25100
H	8.57700	-7.46400	2.44300
C	8.32300	-6.37200	2.54300
H	9.17500	-5.86300	3.03200
H	8.18500	-5.93000	1.53900
C	7.09800	-6.24200	3.40100
N	5.81300	-6.22400	2.89300
H	5.60300	-6.18000	1.84000
C	4.94400	-6.23300	3.92800
H	3.86500	-6.27100	3.82000
N	5.60200	-6.24600	5.09700
C	6.94900	-6.25500	4.77900
H	7.71700	-6.29300	5.55000
H	6.11800	2.67300	8.44100
C	5.42000	2.00200	7.89100
H	4.39700	2.37700	8.07200
H	5.60700	2.09600	6.80700
C	5.55400	0.57500	8.28700
N	4.96000	0.03400	9.41200
H	4.47900	0.58100	10.13700
C	5.27400	-1.28500	9.47700
H	4.90200	-1.95600	10.24500
N	6.06100	-1.62100	8.45400
C	6.24400	-0.46900	7.71000
H	6.84000	-0.47300	6.79600
H	2.96900	-1.49800	5.59900
C	3.62100	-1.97100	6.36800
H	4.63000	-1.53800	6.26200
H	3.28000	-1.70000	7.38500
C	3.73200	-3.49000	6.28600
O	3.09300	-4.21700	5.52200
O	4.57900	-4.00900	7.16800

H	-0.86500	-7.77700	5.65700
C	-0.56500	-7.50800	6.70400
H	-0.95500	-6.49300	6.89800
H	-1.07000	-8.19500	7.40900
C	0.90900	-7.54100	6.95800
N	1.59200	-8.68300	7.35200
H	1.18200	-9.61400	7.53000
C	2.89700	-8.36800	7.53200
H	3.65900	-9.08700	7.82100
N	3.11000	-7.07200	7.27500
C	1.87000	-6.54700	6.92700
H	1.78800	-5.51300	6.60200
Co	6.56400	-3.49500	7.67000
O	6.56500	-5.41400	7.95000
H	7.29000	-6.08500	7.86500
Co	4.91700	-6.06500	7.01200
O	1.96400	-8.85000	16.36600
C	3.18100	-8.81400	16.27800
O	3.91000	-8.98800	17.38500
H	4.92700	-8.98100	17.23700
C	3.93900	-8.63100	14.95500
N	4.52600	-9.96100	14.64100
H	5.29100	-10.14600	15.31000
H	4.98300	-9.88900	13.71500
H	4.71200	-7.84400	15.09300
C	2.97500	-8.23500	13.83100
H	2.23500	-9.04800	13.73500
H	3.53700	-8.19500	12.87600
C	2.20600	-6.90600	14.06000
H	1.19900	-7.00700	13.62200
H	2.06700	-6.72800	15.14200
C	2.88100	-5.68300	13.46500
O	3.86600	-5.11500	13.97300
N	2.32200	-5.23100	12.30500
H	1.55300	-5.77700	11.90500
C	2.87200	-4.12300	11.55000
C	1.90900	-2.92600	11.38000
O	2.33600	-1.90200	10.81500
N	0.65200	-3.10700	11.82800
C	-0.40700	-2.10300	11.79200
C	-1.19200	-2.02900	13.12400
O	-0.72000	-2.64700	14.11100
O	-2.25000	-1.32600	13.11200
H	-1.11900	-2.31100	10.97100
H	0.04700	-1.12100	11.57900
H	0.43700	-3.95400	12.37500
H	3.72700	-3.76500	12.14600
C	3.39600	-4.56600	10.16600
H	2.57500	-4.88300	9.49700
H	3.92700	-3.75400	9.64900
S	4.54000	-5.98600	10.29300
C	6.06800	-5.05600	10.51200
O	6.11700	-3.83700	10.51700
C	7.26400	-5.93400	10.87100
C	7.46100	-5.90000	12.39400
H	7.62900	-4.86400	12.74200
H	6.56500	-6.29100	12.91500
H	8.33900	-6.51400	12.66200
H	8.13700	-5.48400	10.36700
O	7.08100	-7.27600	10.46300
H	7.28500	-7.35000	9.48100
O	3.99800	-8.70000	2.27300
H	3.33700	-8.79200	1.54200
H	4.70900	-9.35100	1.96600
O	10.60200	-5.20300	10.84700
H	10.12300	-4.39500	10.56800
H	11.58100	-4.93600	10.75400
O	10.14700	-7.56900	9.45500
H	10.15300	-6.66800	9.87600
H	9.41300	-7.60100	8.78700

O	4.89900	-9.16800	9.89400
H	5.08500	-8.38100	9.33400
H	3.91400	-9.16600	10.07100

Re(ZnFe3)			
H	7.33600	-8.17300	-1.51000
C	6.64200	-7.77800	-0.71900
H	5.61200	-8.11000	-0.94800
H	6.91300	-8.23800	0.25100
C	6.66300	-6.28800	-0.46200
O	7.65200	-5.57300	-0.77800
O	5.70600	-5.76100	0.21600
H	9.99900	-1.41700	2.59100
C	9.35800	-1.04100	3.44000
H	10.00700	-0.66600	4.24500
H	8.82600	-0.16400	3.02900
C	8.39400	-1.96400	4.11100
N	7.28100	-2.59100	3.56500
H	7.02900	-2.65900	2.56400
C	6.57100	-3.16500	4.56600
H	5.65000	-3.72900	4.40700
N	7.15900	-2.93800	5.74400
C	8.29500	-2.19900	5.46900
H	8.96500	-1.86600	6.26200
H	11.06800	-5.09500	6.89700
C	10.03400	-4.92900	7.29900
H	9.33400	-4.94700	6.44300
H	9.79500	-5.79200	7.94700
C	9.88300	-3.67000	8.09500
N	8.62700	-3.17900	8.46400
C	8.85000	-2.14200	9.27500
H	8.08000	-1.51500	9.71900
N	10.17500	-1.94800	9.44200
H	10.62800	-1.21800	10.02000
C	10.85500	-2.89000	8.70000
H	11.94600	-2.92400	8.68000
H	8.43300	-9.96700	6.19600
C	7.58000	-9.84900	6.91400
H	6.71100	-10.39800	6.51600
H	7.92700	-10.35300	7.83800
C	7.16900	-8.43500	7.27900
O	8.02700	-7.64400	7.83800
O	5.96200	-8.08600	7.09900
H	8.67600	-7.54500	2.66800
C	8.41900	-6.45300	2.69700
H	9.24900	-5.91800	3.19500
H	8.33600	-6.06500	1.66500
C	7.14700	-6.27500	3.46100
N	5.87900	-6.26500	2.89500
H	5.67100	-6.26100	1.86000
C	4.96300	-6.21500	3.88400
H	3.89000	-6.24200	3.72500
N	5.58000	-6.18100	5.07600
C	6.94000	-6.22200	4.82000
H	7.67700	-6.22400	5.62100
H	6.03900	2.79900	8.56300
C	5.41100	2.07500	7.98700
H	4.35900	2.39400	8.11800
H	5.64200	2.18400	6.91200
C	5.57200	0.64500	8.37500
N	5.00200	0.09700	9.51100
H	4.54500	0.64700	10.25400
C	5.24500	-1.23700	9.52900
H	4.84800	-1.90800	10.28500
N	5.97200	-1.58500	8.46000
C	6.18200	-0.41700	7.73900
H	6.72800	-0.42200	6.79500
H	2.93000	-1.58400	5.58900
C	3.63700	-2.03800	6.32000
H	4.63400	-1.59200	6.15800
H	3.34400	-1.76300	7.35100
C	3.75300	-3.55800	6.25300
O	3.13500	-4.29100	5.47700
O	4.58700	-4.07400	7.15400

H	-0.78100	-7.82900	5.84400
C	-0.49000	-7.57000	6.89500
H	-0.86700	-6.55300	7.10200
H	-0.99500	-8.25800	7.59900
C	0.98000	-7.62300	7.11500
N	1.66700	-8.76000	7.53300
H	1.24900	-9.68100	7.76200
C	2.98500	-8.46400	7.61000
H	3.75900	-9.16500	7.92000
N	3.19100	-7.18200	7.27200
C	1.94400	-6.65000	6.96800
H	1.84700	-5.62800	6.60600
Zn	6.59500	-3.43100	7.68900
O	6.56200	-5.40900	7.91200
H	7.31900	-6.05100	7.83600
Fe	4.97000	-6.14200	7.02200
O	2.02600	-8.80300	16.53700
C	3.23700	-8.78800	16.36900
O	4.04300	-9.00200	17.40900
H	5.03200	-9.01100	17.16100
C	3.91100	-8.56300	15.00200
N	4.51100	-9.86000	14.60900
H	5.28200	-10.07800	15.26400
H	4.96600	-9.73600	13.68800
H	4.66700	-7.75700	15.12100
C	2.87400	-8.15900	13.95000
H	2.12500	-8.96700	13.91100
H	3.36700	-8.12600	12.95800
C	2.13300	-6.82000	14.22600
H	1.09900	-6.92300	13.86300
H	2.08300	-6.63600	15.31300
C	2.76900	-5.61600	13.55900
O	3.71600	-4.96400	14.03200
N	2.23500	-5.26600	12.34400
H	1.45000	-5.82200	11.98500
C	2.80200	-4.19000	11.55800
C	1.91900	-2.93300	11.42400
O	2.40700	-1.94300	10.84900
N	0.66800	-3.04800	11.89500
C	-0.36200	-2.01900	11.89900
C	-1.25100	-2.15300	13.15400
O	-0.93500	-3.05800	13.97300
O	-2.22000	-1.34100	13.21200
H	-1.03900	-2.12200	11.03300
H	0.09200	-1.01700	11.84900
H	0.44900	-3.83200	12.52800
H	3.70500	-3.87900	12.11100
C	3.21600	-4.61900	10.13700
H	2.35900	-4.96800	9.53300
H	3.68500	-3.78400	9.59400
S	4.39800	-6.00700	10.14100
C	5.91900	-5.07600	10.42200
O	5.96300	-3.86000	10.44100
C	7.10400	-5.97000	10.76200
C	7.31400	-6.00200	12.28100
H	7.52700	-4.98400	12.65600
H	6.41500	-6.37700	12.80700
H	8.17800	-6.65100	12.51500
H	7.98800	-5.52600	10.27400
O	6.88600	-7.28800	10.26500
H	7.27400	-7.33500	9.34100
O	3.91000	-8.52800	2.29900
H	3.15700	-8.71100	1.68700
H	4.60500	-9.18400	1.96100
O	10.49700	-4.98000	10.99100
H	10.14700	-4.35100	10.32200
H	11.49600	-4.79500	10.96100
O	10.09200	-7.50400	9.62800
H	10.10500	-6.62700	10.09600
H	9.41200	-7.47900	8.91100

O	4.82300	-9.16700	9.87500
H	5.26000	-8.28100	9.83200
H	3.92200	-8.99700	10.22400

Re(Fe3Zn)

H	7.26500	-8.20500	-1.47000
C	6.51900	-7.81700	-0.72900
H	5.50500	-8.11800	-1.04900
H	6.65800	-8.29100	0.25500
C	6.56600	-6.30800	-0.50200
O	7.57900	-5.63300	-0.82500
O	5.58300	-5.76900	0.13100
H	9.91900	-1.45200	2.62900
C	9.32800	-1.05000	3.49200
H	10.02900	-0.64300	4.23900
H	8.77800	-0.18300	3.08000
C	8.38200	-1.96000	4.21800
N	7.28100	-2.64500	3.70300
H	7.03700	-2.77800	2.70800
C	6.59600	-3.20900	4.72800
H	5.69900	-3.81400	4.59800
N	7.18900	-2.91400	5.89700
C	8.30100	-2.14100	5.58200
H	8.95900	-1.75300	6.35300
H	10.85500	-5.01500	6.65300
C	9.81900	-4.80900	7.02400
H	9.16100	-4.71900	6.14200
H	9.49500	-5.70000	7.59600
C	9.73700	-3.61100	7.92200
N	8.51200	-3.11300	8.38800
C	8.80200	-2.15800	9.28500
H	8.07600	-1.54800	9.81800
N	10.13800	-2.01400	9.40300
H	10.63700	-1.32700	10.00000
C	10.74900	-2.90900	8.55200
H	11.83600	-2.97400	8.48600
H	8.19600	-9.84900	5.95900
C	7.38300	-9.76100	6.71300
H	6.48100	-10.22900	6.30200
H	7.73300	-10.37100	7.57200
C	7.05200	-8.38100	7.25400
O	7.96300	-7.67200	7.84300
O	5.84500	-8.00900	7.18400
H	8.55500	-7.47200	2.36000
C	8.27300	-6.38400	2.40900
H	9.10800	-5.83400	2.88100
H	8.13700	-5.98900	1.38700
C	7.04100	-6.24000	3.25100
N	5.74900	-6.28900	2.76100
H	5.50000	-6.29900	1.73400
C	4.88900	-6.26800	3.80000
H	3.81200	-6.36600	3.70400
N	5.56100	-6.19100	4.95500
C	6.90500	-6.18000	4.62500
H	7.68100	-6.15400	5.38800
H	6.07400	2.74300	8.43600
C	5.43800	2.06900	7.82400
H	4.39000	2.39300	7.95300
H	5.68800	2.20900	6.75800
C	5.60100	0.63500	8.17200
N	4.98100	0.04900	9.25800
H	4.47300	0.56300	9.98900
C	5.28700	-1.26700	9.28400
H	4.88400	-1.96200	10.01300
N	6.10900	-1.56100	8.26500
C	6.31600	-0.37800	7.57100
H	6.93900	-0.33500	6.68000
H	3.02300	-1.45400	5.60600
C	3.70100	-1.89100	6.37500
H	4.68500	-1.40900	6.25800
H	3.35000	-1.62200	7.39100
C	3.87700	-3.39600	6.32800
O	3.22600	-4.17000	5.62700
O	4.78000	-3.90700	7.17600

H	-0.82000	-7.76600	5.67400
C	-0.52800	-7.49500	6.72400
H	-0.93700	-6.49000	6.92800
H	-1.01900	-8.19800	7.42200
C	0.94600	-7.49700	6.97400
N	1.64300	-8.59400	7.46600
H	1.24800	-9.52400	7.68200
C	2.94400	-8.25000	7.61500
H	3.71900	-8.93000	7.96000
N	3.13500	-6.97800	7.24100
C	1.89400	-6.50200	6.84800
H	1.79500	-5.49100	6.46600
Fe	6.62200	-3.42100	7.72800
O	6.70400	-5.28700	7.66500
H	7.45900	-5.93100	7.65000
Zn	4.95200	-6.08300	6.88300
O	2.03600	-8.73800	16.30000
C	3.25400	-8.71800	16.24600
O	3.95700	-8.87500	17.37200
H	4.97500	-8.90800	17.24100
C	4.04500	-8.57000	14.93500
N	4.61900	-9.91500	14.65600
H	5.35200	-10.11000	15.35800
H	5.11900	-9.85900	13.75200
H	4.82200	-7.78800	15.07200
C	3.10800	-8.19600	13.78200
H	2.38300	-9.02300	13.69900
H	3.69200	-8.18000	12.84000
C	2.30700	-6.87700	13.94000
H	1.31600	-7.01100	13.47500
H	2.12400	-6.67100	15.01000
C	2.97500	-5.65700	13.33000
O	3.99000	-5.11200	13.80700
N	2.37700	-5.18500	12.20100
H	1.60600	-5.73700	11.80600
C	2.88900	-4.08200	11.41800
C	1.92100	-2.88500	11.28200
O	2.32900	-1.88600	10.66000
N	0.69900	-3.04300	11.81900
C	-0.37900	-2.05600	11.79900
C	-1.16800	-2.01700	13.13300
O	-0.67800	-2.63200	14.11600
O	-2.24200	-1.34300	13.12300
H	-1.08500	-2.26400	10.97400
H	0.05400	-1.06200	11.60300
H	0.51200	-3.88800	12.38200
H	3.77700	-3.71500	11.96200
C	3.31500	-4.54400	10.00700
H	2.47100	-4.96700	9.43700
H	3.77200	-3.73400	9.41900
S	4.52000	-5.90500	10.12100
C	6.03200	-4.99500	10.20200
O	6.10200	-3.77500	10.02500
C	7.21900	-5.85700	10.60400
C	7.48500	-5.70300	12.10600
H	7.67700	-4.64500	12.35900
H	6.61500	-6.05300	12.69400
H	8.38100	-6.29600	12.36500
H	8.09000	-5.48200	10.03900
O	6.95400	-7.22000	10.31200
H	7.27200	-7.39400	9.36900
O	3.99800	-8.67100	2.22600
H	3.33500	-8.78400	1.49700
H	4.71300	-9.32600	1.93200
O	10.44100	-4.88700	10.96300
H	10.04100	-4.05500	11.32800
H	11.41400	-4.65400	10.81400
O	10.03700	-7.38300	9.70100
H	10.00500	-6.45300	10.04600
H	9.43300	-7.44500	8.91900

O	4.62200	-9.06900	10.21200
H	4.85700	-8.16500	9.90400
H	3.64600	-9.05400	10.40300

Re(Fe2/3)

H	7.27500	-8.20000	-1.47600
C	6.53200	-7.81400	-0.73200
H	5.51700	-8.11700	-1.04800
H	6.67600	-8.29000	0.25000
C	6.57300	-6.31100	-0.49800
O	7.58500	-5.62400	-0.80400
O	5.58800	-5.76900	0.13100
H	10.04800	-1.41400	2.57800
C	9.46000	-0.99300	3.43300
H	10.16600	-0.62200	4.19400
H	8.94400	-0.10900	3.01200
C	8.48000	-1.88500	4.13000
N	7.34200	-2.47800	3.58900
H	7.09200	-2.56400	2.59100
C	6.63500	-3.05200	4.59500
H	5.70000	-3.59300	4.43700
N	7.24600	-2.86400	5.76800
C	8.39500	-2.14600	5.48300
H	9.09200	-1.86300	6.27100
H	10.94100	-5.04800	6.68500
C	9.93700	-4.82300	7.11100
H	9.22900	-4.70500	6.27100
H	9.61200	-5.70400	7.69900
C	9.93200	-3.62400	8.01000
N	8.72600	-3.11000	8.48700
C	9.04100	-2.13300	9.34600
H	8.33000	-1.48400	9.85400
N	10.38600	-2.00300	9.44200
H	10.89700	-1.29600	10.00500
C	10.97200	-2.92800	8.60200
H	12.05600	-3.01100	8.51700
H	8.15100	-9.84900	5.96400
C	7.33600	-9.76100	6.71800
H	6.44100	-10.24300	6.30900
H	7.68900	-10.35000	7.59000
C	7.00400	-8.37100	7.21600
O	7.87800	-7.68600	7.87300
O	5.82100	-7.94500	7.02200
H	8.55900	-7.43600	2.38400
C	8.30600	-6.34100	2.43500
H	9.15400	-5.81300	2.90900
H	8.17700	-5.93900	1.41400
C	7.07800	-6.16500	3.27500
N	5.78400	-6.19800	2.77700
H	5.53700	-6.22800	1.74900
C	4.92000	-6.14800	3.80600
H	3.84200	-6.22000	3.70900
N	5.59200	-6.06300	4.96600
C	6.93900	-6.08200	4.64600
H	7.71000	-6.04600	5.41400
H	6.09600	2.70600	8.43200
C	5.38800	2.05100	7.88200
H	4.36800	2.42900	8.07300
H	5.56900	2.14600	6.79800
C	5.52400	0.62400	8.27100
N	4.95700	0.08600	9.41100
H	4.48600	0.63500	10.14200
C	5.28600	-1.22500	9.48500
H	4.93100	-1.89000	10.26400
N	6.06000	-1.56000	8.44800
C	6.21500	-0.41400	7.68800
H	6.79700	-0.41600	6.76800
H	2.97800	-1.50400	5.59600
C	3.62500	-1.97500	6.37300
H	4.62300	-1.51100	6.30000
H	3.25600	-1.71900	7.38600
C	3.80500	-3.48300	6.30300
O	3.22800	-4.26500	5.53500
O	4.65600	-3.96400	7.19700

H	-0.82500	-7.82400	5.66000
C	-0.52500	-7.58700	6.71600
H	-0.94700	-6.59400	6.95200
H	-1.00000	-8.31800	7.39600
C	0.94900	-7.57200	6.95900
N	1.66400	-8.64800	7.47400
H	1.28000	-9.57400	7.74400
C	2.95600	-8.28300	7.62700
H	3.73600	-8.92900	8.02400
N	3.12900	-7.01400	7.22400
C	1.88000	-6.56300	6.81500
H	1.76800	-5.56400	6.40200
Fe	6.72800	-3.43100	7.76300
O	6.60200	-5.38100	7.76200
H	7.27300	-6.12600	7.82700
Fe	4.94500	-6.02600	6.89500
O	2.03800	-8.73400	16.24700
C	3.25600	-8.75400	16.21000
O	3.93800	-8.91100	17.34900
H	4.95800	-8.96300	17.23600
C	4.07000	-8.64900	14.90900
N	4.62800	-10.00600	14.66800
H	5.35000	-10.20000	15.38200
H	5.13400	-9.98700	13.76700
H	4.85700	-7.87600	15.04500
C	3.16000	-8.27800	13.73200
H	2.42500	-9.09400	13.62400
H	3.76900	-8.27000	12.80500
C	2.37600	-6.94700	13.87100
H	1.38200	-7.07300	13.41200
H	2.19600	-6.72600	14.93900
C	3.06300	-5.74400	13.25100
O	4.18400	-5.32400	13.59900
N	2.35300	-5.13400	12.25500
H	1.43300	-5.52700	12.02800
C	2.86900	-4.01500	11.49400
C	1.90300	-2.81700	11.34800
O	2.30400	-1.83300	10.70000
N	0.68200	-2.96100	11.89000
C	-0.40100	-1.97900	11.85100
C	-1.23600	-2.00700	13.15500
O	-0.79100	-2.69700	14.10800
O	-2.29600	-1.31100	13.15600
H	-1.07100	-2.16400	10.99100
H	0.02300	-0.97100	11.70800
H	0.49800	-3.76700	12.50700
H	3.75300	-3.66400	12.05500
C	3.33700	-4.42800	10.07600
H	2.48900	-4.72700	9.43300
H	3.86000	-3.61300	9.55300
S	4.46100	-5.86700	10.11500
C	6.01500	-5.01400	10.36800
O	6.14000	-3.80100	10.29700
C	7.15200	-5.94400	10.76600
C	7.38300	-5.86100	12.28100
H	7.63300	-4.82600	12.57800
H	6.47600	-6.16700	12.83500
H	8.23200	-6.51700	12.55000
H	8.05300	-5.59900	10.23100
O	6.84900	-7.28500	10.40200
H	7.25100	-7.47300	9.50300
O	4.04000	-8.60600	2.24100
H	3.34300	-8.73400	1.55000
H	4.73700	-9.27500	1.93000
O	10.55500	-5.14800	10.90100
H	10.07000	-4.31200	10.74600
H	11.53600	-4.88700	10.80200
O	9.97300	-7.55300	9.72000
H	10.08400	-6.61900	10.05000
H	9.41800	-7.54000	8.90500

O	4.83100	-9.12600	10.19600
H	5.12800	-8.19100	10.12100
H	3.84600	-9.13300	10.37900

Re(Fe3/2)

H	7.27100	-8.19600	-1.47700
C	6.52500	-7.80700	-0.73600
H	5.51200	-8.11300	-1.05300
H	6.66900	-8.27800	0.24800
C	6.56300	-6.30100	-0.51100
O	7.57600	-5.61800	-0.82500
O	5.57900	-5.75600	0.11200
H	10.05200	-1.40900	2.57200
C	9.46300	-0.98700	3.42700
H	10.16800	-0.62000	4.19200
H	8.95200	-0.09900	3.00700
C	8.47700	-1.87500	4.12100
N	7.33600	-2.46300	3.57900
H	7.08800	-2.54900	2.58000
C	6.62400	-3.03300	4.58400
H	5.68800	-3.56900	4.42500
N	7.23500	-2.84700	5.75800
C	8.38800	-2.13400	5.47400
H	9.08400	-1.85300	6.26400
H	10.93900	-5.04700	6.67700
C	9.93500	-4.82000	7.10200
H	9.22800	-4.70000	6.26100
H	9.60700	-5.70000	7.69000
C	9.93200	-3.62000	7.99900
N	8.72700	-3.09900	8.47300
C	9.04500	-2.12200	9.33000
H	8.33700	-1.46800	9.83600
N	10.39100	-1.99800	9.42900
H	10.90400	-1.29400	9.99300
C	10.97500	-2.92800	8.59200
H	12.05900	-3.01800	8.51100
H	8.14500	-9.84700	5.94500
C	7.32800	-9.75900	6.69800
H	6.43400	-10.24000	6.28600
H	7.67800	-10.34800	7.57000
C	6.99800	-8.36800	7.19200
O	7.87100	-7.68300	7.84900
O	5.81500	-7.94000	6.99600
H	8.56500	-7.43200	2.36700
C	8.31100	-6.33700	2.41600
H	9.15800	-5.80900	2.89200
H	8.18600	-5.93800	1.39200
C	7.08000	-6.16300	3.25200
N	5.78600	-6.22600	2.75700
H	5.53500	-6.25800	1.73100
C	4.92200	-6.16400	3.78500
H	3.84600	-6.25700	3.68800
N	5.59300	-6.04800	4.94200
C	6.94100	-6.05600	4.62100
H	7.71100	-5.99800	5.38800
H	6.09400	2.71000	8.43700
C	5.38300	2.05700	7.89000
H	4.36400	2.43600	8.08700
H	5.55800	2.15400	6.80500
C	5.52000	0.63000	8.27500
N	4.96600	0.09000	9.42000
H	4.50300	0.63700	10.15700
C	5.29700	-1.22100	9.48900
H	4.95100	-1.88700	10.27100
N	6.06000	-1.55400	8.44400
C	6.20600	-0.40600	7.68300
H	6.78100	-0.40700	6.75800
H	2.97300	-1.50500	5.59700
C	3.61600	-1.97700	6.37700
H	4.61300	-1.51100	6.31100
H	3.24100	-1.72400	7.38900
C	3.80300	-3.48300	6.30600
O	3.23600	-4.26900	5.53300
O	4.65300	-3.96200	7.20200

H	-0.82500	-7.82500	5.65800
C	-0.52300	-7.58700	6.71400
H	-0.94300	-6.59300	6.95000
H	-0.99700	-8.31700	7.39500
C	0.95200	-7.57300	6.95200
N	1.66900	-8.65000	7.46200
H	1.28500	-9.57600	7.73100
C	2.96200	-8.28500	7.60900
H	3.74300	-8.93300	8.00100
N	3.13200	-7.01500	7.20900
C	1.88100	-6.56300	6.80700
H	1.76800	-5.56400	6.39600
Fe	6.72700	-3.42500	7.75500
O	6.60500	-5.37600	7.73100
H	7.27400	-6.12300	7.79900
Fe	4.94400	-6.02000	6.87100
O	2.02800	-8.71500	16.26400
C	3.24600	-8.74100	16.22300
O	3.93200	-8.89100	17.36000
H	4.95100	-8.95400	17.24300
C	4.05600	-8.65300	14.91800
N	4.60800	-10.01500	14.68700
H	5.32900	-10.20400	15.40300
H	5.11500	-10.00400	13.78700
H	4.84600	-7.88200	15.04200
C	3.14200	-8.29300	13.74100
H	2.40000	-9.10500	13.65100
H	3.74300	-8.30300	12.81000
C	2.37000	-6.95500	13.86500
H	1.37800	-7.07500	13.40000
H	2.18500	-6.72500	14.93100
C	3.07200	-5.76100	13.24300
O	4.20000	-5.35700	13.58700
N	2.36300	-5.14100	12.25200
H	1.44100	-5.52800	12.02400
C	2.88200	-4.02200	11.49400
C	1.91700	-2.82200	11.35000
O	2.32000	-1.83500	10.70700
N	0.69300	-2.96900	11.88600
C	-0.38900	-1.98600	11.84500
C	-1.22300	-2.00800	13.15100
O	-0.77400	-2.69000	14.10800
O	-2.28500	-1.31700	13.14800
H	-1.06200	-2.17300	10.98700
H	0.03700	-0.98000	11.69700
H	0.50800	-3.77500	12.50100
H	3.76700	-3.67400	12.05500
C	3.34800	-4.43200	10.07400
H	2.49800	-4.72900	9.43300
H	3.87300	-3.61700	9.55300
S	4.47000	-5.87300	10.10800
C	6.02900	-5.02300	10.33500
O	6.15500	-3.81000	10.25700
C	7.17400	-5.95200	10.71400
C	7.45200	-5.84800	12.22000
H	7.71600	-4.81000	12.49300
H	6.56200	-6.14400	12.80600
H	8.30700	-6.50400	12.46800
H	8.05800	-5.61400	10.14700
O	6.85800	-7.29700	10.37600
H	7.24700	-7.49400	9.47300
O	4.01100	-8.59600	2.21900
H	3.31400	-8.72900	1.52700
H	4.71000	-9.26200	1.91000
O	10.56100	-5.16200	10.87700
H	10.06900	-4.33200	10.71000
H	11.54000	-4.89300	10.78000
O	9.98600	-7.55600	9.67300
H	10.09700	-6.62500	10.01100
H	9.41500	-7.53900	8.86800

O	4.83400	-9.13100	10.19400
H	5.12300	-8.19500	10.10300
H	3.84600	-9.14100	10.37100

Re(Fe3/3)			
H	7.32300	-8.24900	-1.52000
C	6.59600	-7.87700	-0.75700
H	5.58300	-8.22700	-1.02500
H	6.81700	-8.33000	0.22000
C	6.57700	-6.38300	-0.54100
O	7.56200	-5.64200	-0.83800
O	5.58800	-5.85000	0.07400
H	10.00700	-1.42400	2.56700
C	9.43200	-0.99200	3.42600
H	10.14000	-0.60100	4.17500
H	8.90400	-0.11400	3.01200
C	8.45900	-1.87800	4.14000
N	7.33400	-2.50800	3.60700
H	7.08200	-2.59800	2.60900
C	6.62900	-3.07400	4.61200
H	5.70700	-3.63500	4.46100
N	7.23300	-2.84400	5.78800
C	8.37200	-2.10500	5.49700
H	9.04300	-1.76500	6.28100
H	10.94000	-5.05700	6.65000
C	9.93000	-4.84400	7.06700
H	9.23200	-4.73600	6.21700
H	9.60500	-5.72300	7.65700
C	9.91900	-3.63700	7.95400
N	8.71700	-3.09600	8.41600
C	9.03900	-2.10800	9.26500
H	8.33500	-1.43100	9.74300
N	10.37900	-2.00500	9.37400
H	10.89500	-1.29800	9.93700
C	10.96000	-2.94700	8.54800
H	12.04500	-3.03900	8.47600
H	8.17300	-9.84100	6.02800
C	7.36900	-9.74000	6.79500
H	6.47100	-10.24200	6.41700
H	7.74100	-10.29700	7.67900
C	7.02900	-8.33800	7.24500
O	7.89900	-7.61700	7.87000
O	5.84000	-7.92800	7.05000
H	8.53900	-7.49500	2.39800
C	8.26100	-6.40800	2.43000
H	9.09700	-5.85400	2.89600
H	8.13000	-6.02300	1.40300
C	7.03200	-6.24200	3.26600
N	5.73400	-6.37400	2.79600
H	5.46000	-6.50400	1.80000
C	4.87900	-6.29300	3.83200
H	3.80600	-6.44100	3.75200
N	5.56100	-6.09400	4.97000
C	6.90500	-6.07400	4.63000
H	7.68400	-5.96000	5.38000
H	6.06300	2.75300	8.50000
C	5.39600	2.07200	7.93000
H	4.35700	2.40800	8.09900
H	5.60100	2.18100	6.85200
C	5.57100	0.64800	8.31200
N	5.07900	0.10600	9.48700
H	4.65000	0.65700	10.24600
C	5.40500	-1.20100	9.54200
H	5.11400	-1.86300	10.35100
N	6.10800	-1.53900	8.45000
C	6.22100	-0.38800	7.68100
H	6.75500	-0.37600	6.73200
H	3.00400	-1.47800	5.59400
C	3.65300	-1.93900	6.37500
H	4.64700	-1.46800	6.29900
H	3.28000	-1.67900	7.38600
C	3.83600	-3.44200	6.31700
O	3.23600	-4.24500	5.59900
O	4.73500	-3.92400	7.18400

H	-0.80200	-7.84400	5.63100
C	-0.50900	-7.60200	6.68800
H	-0.93400	-6.60800	6.91500
H	-0.98800	-8.33000	7.36900
C	0.96300	-7.58800	6.93900
N	1.68300	-8.67600	7.42200
H	1.29500	-9.60500	7.67700
C	2.97300	-8.31100	7.58700
H	3.75300	-8.96600	7.97000
N	3.14100	-7.02700	7.22700
C	1.88700	-6.56900	6.83300
H	1.76600	-5.56000	6.45100
Fe	6.70500	-3.41900	7.75200
O	6.65300	-5.34500	7.69900
H	7.30800	-6.11900	7.81800
Fe	4.94700	-6.04000	6.91000
O	2.03200	-8.73800	16.23400
C	3.25000	-8.78300	16.21800
O	3.91800	-8.96500	17.35500
H	4.94100	-9.03500	17.25100
C	4.07100	-8.67300	14.91500
N	4.65400	-10.01000	14.67500
H	5.36800	-10.21900	15.39200
H	5.13600	-10.01400	13.76200
H	4.84500	-7.88800	15.06800
C	3.16700	-8.31000	13.72800
H	2.44100	-9.13300	13.61800
H	3.78600	-8.30400	12.80900
C	2.37100	-6.98300	13.84600
H	1.38400	-7.11900	13.37300
H	2.17200	-6.75400	14.91000
C	3.06500	-5.78100	13.23100
O	4.19000	-5.37200	13.57900
N	2.35900	-5.15800	12.23700
H	1.44800	-5.55700	11.98700
C	2.87400	-4.02400	11.49800
C	1.90200	-2.82800	11.35200
O	2.30400	-1.83900	10.71200
N	0.67800	-2.97600	11.89000
C	-0.40100	-1.98800	11.84400
C	-1.24700	-2.02700	13.13400
O	-0.82000	-2.72200	14.09400
O	-2.31600	-1.34600	13.15000
H	-1.06300	-2.16000	10.97500
H	0.02900	-0.98100	11.71800
H	0.48200	-3.80300	12.47300
H	3.74800	-3.67000	12.07200
C	3.35600	-4.41000	10.07600
H	2.51400	-4.71600	9.42800
H	3.87500	-3.57900	9.57400
S	4.48800	-5.84400	10.11800
C	6.05100	-5.01100	10.29100
O	6.20300	-3.80500	10.10300
C	7.17000	-5.93200	10.75100
C	7.37200	-5.80300	12.26800
H	7.67100	-4.77500	12.54300
H	6.44200	-6.05500	12.81100
H	8.18700	-6.48700	12.56800
H	8.09000	-5.62200	10.22600
O	6.84600	-7.27900	10.42600
H	7.29100	-7.50400	9.55900
O	4.08700	-8.62000	2.14900
H	3.39500	-8.78400	1.45500
H	4.80400	-9.28600	1.86500
O	10.60700	-5.09700	10.84000
H	10.13600	-4.25000	10.70000
H	11.59500	-4.84700	10.75900
O	9.94100	-7.51600	9.78000
H	10.12000	-6.57600	10.06500
H	9.45100	-7.50100	8.92600

O	4.81300	-9.11500	10.17900
H	5.09900	-8.17900	10.09800
H	3.82500	-9.13100	10.36000

Re(Zn/-)			
H	7.34000	-8.15500	-1.50400
C	6.65700	-7.72600	-0.70700
H	5.62200	-8.06400	-0.90000
H	6.94300	-8.15900	0.27200
C	6.70500	-6.18800	-0.51800
O	7.73000	-5.55800	-0.87600
O	5.70100	-5.67000	0.10100
H	9.98600	-1.43600	2.60300
C	9.32200	-1.09800	3.46800
H	9.96400	-0.67900	4.26000
H	8.74200	-0.25200	3.05000
C	8.41400	-2.07200	4.16800
N	7.33600	-2.78500	3.64700
H	7.08700	-2.91500	2.65300
C	6.67200	-3.37800	4.67900
H	5.79000	-4.01400	4.55900
N	7.24500	-3.07100	5.84400
C	8.32600	-2.27000	5.53700
H	8.97800	-1.88100	6.32200
H	11.06000	-5.10200	6.88500
C	10.01000	-4.94400	7.26000
H	9.34200	-4.91700	6.37700
H	9.67800	-5.81600	7.85500
C	9.85900	-3.71200	8.09400
N	8.60600	-3.27200	8.50300
C	8.82000	-2.27600	9.35500
H	8.03700	-1.71600	9.86100
N	10.14500	-2.03400	9.49300
H	10.59000	-1.33200	10.10100
C	10.82700	-2.93300	8.70100
H	11.91700	-2.95600	8.67200
H	8.44800	-9.95100	6.20700
C	7.62300	-9.80400	6.94800
H	6.66400	-10.11300	6.50300
H	7.86400	-10.51500	7.76700
C	7.47400	-8.42400	7.61400
O	8.49400	-7.85300	8.14100
O	6.30200	-7.97000	7.72000
H	8.67300	-7.54600	2.67700
C	8.40700	-6.45500	2.72500
H	9.23600	-5.92500	3.23200
H	8.32500	-6.05700	1.69500
C	7.12400	-6.30800	3.48700
N	5.88300	-6.19600	2.88100
H	5.71000	-6.11000	1.84900
C	4.94400	-6.25300	3.88000
H	3.87400	-6.21900	3.68300
N	5.49700	-6.39400	5.07700
C	6.84900	-6.42500	4.84500
H	7.56500	-6.52900	5.66500
H	6.03700	2.80600	8.56200
C	5.40100	2.09200	7.98400
H	4.35100	2.41600	8.11900
H	5.63200	2.20500	6.90900
C	5.57100	0.66500	8.36200
N	5.01500	0.10300	9.50000
H	4.54800	0.63400	10.24500
C	5.30100	-1.22700	9.50500
H	4.96100	-1.93700	10.25700
N	6.02800	-1.54000	8.43600
C	6.20200	-0.37900	7.71900
H	6.74100	-0.37600	6.77100
H	2.94000	-1.56500	5.58300
C	3.67500	-1.99000	6.30400
H	4.67100	-1.57000	6.06900
H	3.43400	-1.66000	7.33300
C	3.74100	-3.53800	6.32400
O	2.92300	-4.21900	5.69100
O	4.65200	-4.01700	7.11000

H	-0.77800	-7.80400	5.83400
C	-0.48000	-7.49800	6.87000
H	-0.74300	-6.43100	6.98700
H	-1.09700	-8.05800	7.60300
C	0.95800	-7.71100	7.20200
N	1.43100	-8.96800	7.53100
H	0.89300	-9.84000	7.59700
C	2.71600	-8.82500	7.96400
H	3.31400	-9.66500	8.31700
N	3.11200	-7.56400	7.91800
C	2.02800	-6.85400	7.43700
H	2.11800	-5.79300	7.18600
Zn	6.43200	-3.55200	7.82800
O	6.53900	-5.44700	8.71600
H	6.11500	-6.28500	8.33800
*	4.66500	-6.42500	6.63200
O	2.00000	-8.93100	16.60700
C	3.20200	-8.84600	16.38800
O	4.04500	-9.05200	17.41000
H	5.02300	-9.02300	17.12800
C	3.84000	-8.55100	15.02200
N	4.46200	-9.82700	14.57600
H	5.29400	-9.99900	15.16500
H	4.84600	-9.66700	13.62600
H	4.59000	-7.74500	15.16300
C	2.79700	-8.11100	13.99300
H	2.08800	-8.94800	13.87900
H	3.30200	-7.97600	13.01700
C	2.00500	-6.82700	14.36900
H	0.97100	-6.97200	14.02000
H	1.97100	-6.69200	15.46300
C	2.53000	-5.53300	13.76100
O	3.20100	-4.69300	14.39300
N	2.20200	-5.32000	12.46200
H	1.71300	-6.07100	11.96300
C	2.81000	-4.24900	11.68100
C	1.87800	-3.03600	11.49900
O	2.33300	-1.97700	11.03900
N	0.58300	-3.23100	11.85400
C	-0.45700	-2.21800	11.83900
C	-1.31200	-2.20700	13.12300
O	-1.04300	-3.06800	13.99900
O	-2.24400	-1.33300	13.16400
H	-1.16200	-2.37700	11.00000
H	0.01400	-1.23200	11.68200
H	0.36100	-4.11000	12.33300
H	3.66000	-3.87900	12.27600
C	3.36600	-4.79200	10.34800
H	2.56300	-5.15700	9.67900
H	3.91700	-3.99700	9.81200
S	4.56200	-6.12400	10.66500
C	6.21800	-5.06300	10.10000
O	6.05000	-3.79300	10.16700
C	7.34700	-5.64900	10.96600
C	7.22600	-5.43200	12.46200
H	7.16600	-4.34800	12.65800
H	6.31600	-5.91900	12.85900
H	8.12000	-5.82700	12.98200
H	8.25300	-5.13500	10.59200
O	7.47300	-7.07000	10.71300
H	7.44300	-7.15400	9.71600
O	3.81000	-8.61000	2.24000
H	3.15400	-8.79600	1.52300
H	4.58700	-9.18300	1.94600
O	10.44700	-4.70300	11.27600
H	10.27800	-5.51200	10.71400
H	11.40300	-4.48600	11.06800
O	10.05400	-7.23800	10.11000
H	9.19800	-7.25900	10.64000
H	9.66600	-7.36100	9.19500

O	5.09700	-9.11100	9.72500
H	5.46500	-8.64700	8.91100
H	4.37200	-8.48300	9.95500

Re(-/Zn)			
H	7.33700	-8.16200	-1.50000
C	6.64800	-7.74800	-0.69700
H	5.61900	-8.10100	-0.89900
H	6.93600	-8.19700	0.27400
C	6.65500	-6.21600	-0.46300
O	7.62200	-5.53200	-0.87700
O	5.67800	-5.76200	0.24500
H	9.99900	-1.42400	2.59900
C	9.35400	-1.06500	3.46300
H	10.00700	-0.68200	4.26400
H	8.80800	-0.19100	3.05500
C	8.42400	-2.02500	4.13400
N	7.29600	-2.62300	3.58600
H	7.03200	-2.67900	2.59200
C	6.63500	-3.26100	4.60100
H	5.70800	-3.81600	4.43600
N	7.25100	-3.10900	5.76300
C	8.35600	-2.34300	5.48600
H	9.04700	-2.03900	6.28000
H	11.08400	-5.10800	6.90900
C	10.06900	-4.96000	7.34000
H	9.34700	-4.84800	6.50800
H	9.77800	-5.87100	7.88900
C	9.97200	-3.80500	8.28200
N	8.87700	-3.73200	9.12600
C	8.99400	-2.59300	9.79200
H	8.25400	-2.20800	10.49500
N	10.13400	-1.93900	9.44500
H	10.54000	-1.12200	9.92300
C	10.78200	-2.70300	8.49100
H	11.75100	-2.42100	8.08200
H	8.43500	-9.96900	6.19300
C	7.58400	-9.85300	6.90900
H	6.70000	-10.37000	6.50300
H	7.91200	-10.38800	7.82400
C	7.21000	-8.42900	7.32000
O	8.12800	-7.66900	7.80500
O	5.99700	-8.10000	7.25300
H	8.66900	-7.54400	2.68200
C	8.40000	-6.45400	2.73700
H	9.24600	-5.91400	3.20400
H	8.26500	-6.05900	1.71200
C	7.16000	-6.29300	3.56500
N	5.88000	-6.26900	3.03000
H	5.65800	-6.23800	2.00000
C	4.99700	-6.22600	4.06200
H	3.91800	-6.21200	3.93900
N	5.64100	-6.21700	5.23400
C	6.98700	-6.26300	4.93700
H	7.73900	-6.26700	5.72600
H	6.04500	2.79100	8.56100
C	5.42600	2.05300	7.98200
H	4.37300	2.38000	8.08300
H	5.68400	2.14800	6.91000
C	5.58700	0.63100	8.40700
N	4.97400	0.12200	9.53900
H	4.49600	0.68700	10.25000
C	5.28800	-1.20900	9.61900
H	4.88200	-1.86100	10.39000
N	6.06400	-1.58200	8.61300
C	6.25600	-0.45000	7.85500
H	6.84100	-0.48800	6.93200
H	2.93000	-1.59700	5.59000
C	3.63400	-2.08100	6.31800
H	4.65400	-1.69100	6.15300
H	3.36900	-1.80000	7.35500
C	3.66900	-3.62400	6.22800
O	3.04500	-4.25700	5.35200
O	4.38400	-4.17600	7.15900

H	-0.78700	-7.83100	5.83800
C	-0.49900	-7.57400	6.88600
H	-0.84900	-6.54500	7.08900
H	-1.01400	-8.24500	7.60000
C	0.97200	-7.67200	7.06200
N	1.61800	-8.78900	7.58000
H	1.18100	-9.65900	7.92300
C	2.95600	-8.55900	7.52300
H	3.71700	-9.23200	7.91600
N	3.19300	-7.37300	6.97600
C	1.97500	-6.80400	6.69300
H	1.93500	-5.81500	6.22900
*	6.70500	-3.26000	7.55800
O	6.37900	-4.96900	8.57900
H	6.09900	-4.08500	8.18200
Zn	4.83700	-6.16200	7.20400
O	2.00600	-8.90900	16.57000
C	3.20800	-8.83000	16.36000
O	4.04300	-9.02200	17.39200
H	5.02400	-9.00300	17.11700
C	3.86000	-8.56200	14.99300
N	4.48000	-9.84800	14.57600
H	5.30400	-10.01600	15.17600
H	4.87000	-9.70700	13.62700
H	4.61200	-7.75500	15.12700
C	2.82900	-8.13600	13.94600
H	2.10100	-8.96100	13.86500
H	3.33500	-8.05800	12.96300
C	2.06900	-6.82300	14.27000
H	1.04000	-6.94200	13.89400
H	2.00900	-6.66800	15.36000
C	2.63300	-5.54000	13.66000
O	3.23300	-4.67200	14.32800
N	2.39100	-5.37600	12.33700
H	2.06400	-6.18800	11.79800
C	2.90000	-4.25500	11.56100
C	1.96100	-3.04000	11.58200
O	2.39100	-1.94700	11.18800
N	0.66500	-3.27600	11.92200
C	-0.39600	-2.28200	11.87500
C	-1.28400	-2.24300	13.13700
O	-1.04300	-3.09800	14.02800
O	-2.21200	-1.36300	13.15100
H	-1.08300	-2.47500	11.02600
H	0.06400	-1.29500	11.69800
H	0.43400	-4.20000	12.30400
H	3.86200	-3.93900	11.99500
C	3.12500	-4.62300	10.06500
H	2.17500	-4.53600	9.50700
H	3.80500	-3.87400	9.63100
S	3.82900	-6.28800	9.80900
C	6.35200	-4.86700	9.92500
O	6.02600	-3.84700	10.51500
C	7.04200	-6.00000	10.68700
C	6.57000	-6.05100	12.13700
H	6.66200	-5.04900	12.58800
H	5.50500	-6.35400	12.16700
H	7.19900	-6.74500	12.73000
H	8.10900	-5.69700	10.67500
O	6.95200	-7.28600	10.08600
H	7.36500	-7.22500	9.16200
O	3.85400	-8.58400	2.31200
H	3.16200	-8.73400	1.62500
H	4.60200	-9.17200	1.97300
O	10.46800	-5.14200	11.08700
H	9.86100	-4.66900	10.45900
H	11.39200	-4.81900	10.86800
O	10.13600	-7.63600	9.55800
H	10.07900	-6.78700	10.06400
H	9.42800	-7.61700	8.85100

O	4.91900	-9.12500	9.85600
H	5.50000	-8.31600	9.74800
H	4.04100	-8.71200	10.02700

IM(ZnZn)			
H	7.27600	-8.17000	-1.42400
C	6.54300	-7.76600	-0.67400
H	5.51800	-8.01000	-1.01100
H	6.64400	-8.28100	0.29500
C	6.68300	-6.25700	-0.40200
O	7.72100	-5.63800	-0.72200
O	5.70700	-5.71400	0.26500
H	10.02300	-1.44100	2.58800
C	9.42000	-1.03000	3.43800
H	10.11300	-0.64000	4.20300
H	8.88500	-0.16100	3.00800
C	8.46200	-1.95000	4.13100
N	7.36100	-2.60200	3.58300
H	7.12600	-2.71300	2.58200
C	6.67100	-3.20300	4.58400
H	5.76600	-3.79100	4.42500
N	7.25700	-2.97000	5.76100
C	8.37100	-2.19600	5.48700
H	9.03700	-1.87000	6.28400
H	10.96300	-5.14500	6.65700
C	9.94700	-4.93300	7.07200
H	9.25500	-4.82000	6.21600
H	9.60000	-5.81200	7.65100
C	9.93100	-3.72000	7.95700
N	8.72900	-3.17500	8.39600
C	9.04400	-2.19100	9.24200
H	8.33000	-1.53000	9.73300
N	10.38600	-2.07500	9.36100
H	10.89500	-1.38000	9.93700
C	10.97200	-3.02900	8.55600
H	12.05600	-3.13000	8.49600
H	8.16700	-9.90200	5.99100
C	7.35200	-9.82800	6.74900
H	6.45800	-10.29800	6.32500
H	7.70500	-10.44900	7.59900
C	6.99400	-8.46400	7.31100
O	7.88100	-7.78100	7.97900
O	5.80400	-8.06900	7.18300
H	8.58700	-7.47000	2.43600
C	8.34600	-6.37400	2.53000
H	9.20100	-5.87100	3.01900
H	8.21600	-5.93600	1.52200
C	7.11800	-6.22400	3.37800
N	5.83800	-6.18800	2.85800
H	5.63000	-6.13900	1.79900
C	4.96000	-6.17700	3.88200
H	3.88200	-6.19600	3.76500
N	5.60800	-6.19400	5.05800
C	6.95700	-6.22800	4.75400
H	7.71900	-6.27300	5.53200
H	6.06500	2.76300	8.43600
C	5.34500	2.12700	7.88000
H	4.32800	2.50100	8.09900
H	5.51000	2.25000	6.79600
C	5.49700	0.69400	8.22500
N	4.97900	0.11700	9.36800
H	4.52500	0.63700	10.13000
C	5.34700	-1.18700	9.39800
H	5.03700	-1.89600	10.15900
N	6.09400	-1.46900	8.33100
C	6.19500	-0.31000	7.59500
H	6.74800	-0.28000	6.65600
H	3.01500	-1.54200	5.58700
C	3.68800	-2.00900	6.34600
H	4.68700	-1.55900	6.23000
H	3.35600	-1.74500	7.36800
C	3.82100	-3.52700	6.27100
O	3.11900	-4.26400	5.57000
O	4.73900	-4.03500	7.08100

H	-0.89200	-7.82800	5.62100
C	-0.59900	-7.58600	6.67700
H	-1.00500	-6.58400	6.90100
H	-1.09000	-8.30200	7.36200
C	0.87300	-7.59600	6.92100
N	1.57300	-8.70000	7.39200
H	1.17900	-9.62500	7.63400
C	2.87200	-8.35400	7.54800
H	3.64600	-9.03300	7.89800
N	3.05900	-7.07900	7.19200
C	1.81800	-6.59600	6.80700
H	1.72500	-5.58000	6.43200
Zn	6.66100	-3.35900	7.74700
O	6.52800	-5.51700	8.27000
H	7.15300	-6.32200	8.17300
Zn	4.84000	-6.10000	6.94500
O	2.01000	-8.80600	16.28900
C	3.22700	-8.77600	16.21600
O	3.94100	-8.89600	17.34100
H	4.96000	-8.90900	17.20600
C	4.00400	-8.65400	14.89500
N	4.60100	-9.99700	14.65100
H	5.35700	-10.15400	15.33700
H	5.06500	-9.97000	13.72800
H	4.76800	-7.85500	15.00500
C	3.06000	-8.32700	13.73400
H	2.33800	-9.15800	13.65900
H	3.64800	-8.32100	12.79400
C	2.26100	-7.00600	13.86400
H	1.29000	-7.13200	13.35600
H	2.03600	-6.80500	14.92700
C	2.96900	-5.78900	13.29500
O	4.00700	-5.30200	13.77800
N	2.36700	-5.24800	12.19800
H	1.55700	-5.74800	11.81900
C	2.92600	-4.14400	11.44300
C	1.97100	-2.93500	11.30800
O	2.37900	-1.91800	10.72000
N	0.73000	-3.10200	11.81100
C	-0.33900	-2.10800	11.77900
C	-1.13700	-2.04900	13.10500
O	-0.67400	-2.67200	14.09400
O	-2.20000	-1.35400	13.08600
H	-1.04800	-2.31600	10.95500
H	0.10200	-1.11900	11.57300
H	0.53300	-3.94100	12.37500
H	3.80200	-3.80900	12.02400
C	3.42200	-4.58600	10.04500
H	2.57800	-4.83000	9.37100
H	4.00900	-3.78400	9.56300
S	4.53300	-6.02500	10.15600
C	6.23000	-5.10800	9.73200
O	6.13200	-3.83400	9.77400
C	7.32000	-5.72900	10.61400
C	7.23900	-5.30200	12.06800
H	7.40100	-4.21500	12.13100
H	6.25100	-5.55100	12.50100
H	8.03600	-5.79900	12.65200
H	8.27500	-5.36700	10.18400
O	7.28900	-7.17600	10.57800
H	7.28700	-7.47200	9.62000
O	4.00100	-8.66900	2.25800
H	3.33000	-8.76900	1.53700
H	4.70900	-9.32200	1.94800
O	10.59000	-4.94900	11.12300
H	10.39600	-5.76700	10.59900
H	11.54200	-4.71300	10.88300
O	9.85000	-7.54600	10.01700
H	8.98600	-7.40000	10.50900
H	9.51900	-7.66300	9.08900

O	4.80200	-9.10900	10.05900
H	4.83300	-8.20000	9.67700
H	3.83000	-9.23400	10.29100

IM(ZnFe2)			
H	7.27300	-8.16400	-1.41000
C	6.54400	-7.76100	-0.65500
H	5.51700	-7.99600	-0.99400
H	6.64300	-8.28700	0.30800
C	6.69300	-6.25600	-0.36600
O	7.73200	-5.63900	-0.68500
O	5.72400	-5.71600	0.31300
H	10.04900	-1.43300	2.56800
C	9.44900	-1.01400	3.41600
H	10.14500	-0.61900	4.17600
H	8.91000	-0.14900	2.98500
C	8.50000	-1.93300	4.12100
N	7.40100	-2.60200	3.58700
H	7.15500	-2.71800	2.58900
C	6.72800	-3.20400	4.59900
H	5.82800	-3.80400	4.45400
N	7.32200	-2.95300	5.76700
C	8.42500	-2.17100	5.47800
H	9.09600	-1.83500	6.26700
H	10.98300	-5.13400	6.66800
C	9.97500	-4.91500	7.09700
H	9.27000	-4.80500	6.25200
H	9.63600	-5.79000	7.68700
C	9.98100	-3.69900	7.97900
N	8.78900	-3.13300	8.41800
C	9.11800	-2.15700	9.26700
H	8.41700	-1.48400	9.75900
N	10.46200	-2.06800	9.38800
H	10.97900	-1.38100	9.96700
C	11.03200	-3.02900	8.58100
H	12.11400	-3.14800	8.52100
H	8.15100	-9.88500	6.01000
C	7.33100	-9.79600	6.76000
H	6.42800	-10.24000	6.32900
H	7.66000	-10.44100	7.60200
C	7.00000	-8.44700	7.36900
O	7.91900	-7.75900	7.98100
O	5.79000	-8.07200	7.36300
H	8.57300	-7.45900	2.47100
C	8.32500	-6.36700	2.58400
H	9.18200	-5.86600	3.07200
H	8.18400	-5.91600	1.58400
C	7.10000	-6.23200	3.44400
N	5.82000	-6.17100	2.92400
H	5.61800	-6.12400	1.86700
C	4.94400	-6.16100	3.95100
H	3.86500	-6.15900	3.83400
N	5.58700	-6.20700	5.13000
C	6.93600	-6.25800	4.82000
H	7.70000	-6.32000	5.59600
H	6.05700	2.77900	8.44300
C	5.33600	2.14300	7.88700
H	4.31900	2.51000	8.11500
H	5.49500	2.27300	6.80300
C	5.50400	0.71200	8.22700
N	4.98800	0.12200	9.36400
H	4.51800	0.63100	10.12300
C	5.38400	-1.17400	9.39700
H	5.08100	-1.89100	10.15300
N	6.14700	-1.43700	8.33700
C	6.22900	-0.27700	7.60200
H	6.79000	-0.23400	6.66800
H	3.04300	-1.54700	5.60200
C	3.72600	-1.99600	6.36400
H	4.71800	-1.53300	6.24200
H	3.38900	-1.72200	7.38300
C	3.87700	-3.51200	6.32500
O	3.14700	-4.28500	5.69300
O	4.84000	-3.99100	7.09500

H	-0.93700	-7.83000	5.58600
C	-0.65200	-7.57800	6.64000
H	-1.03000	-6.56000	6.84500
H	-1.16500	-8.26700	7.33500
C	0.81800	-7.62900	6.88600
N	1.48400	-8.76200	7.32700
H	1.06500	-9.68000	7.54900
C	2.79500	-8.45800	7.47900
H	3.54400	-9.17000	7.81700
N	3.02100	-7.18400	7.14700
C	1.79100	-6.65500	6.78800
H	1.72200	-5.62600	6.44500
Zn	6.74900	-3.31000	7.75400
O	6.65800	-5.45900	8.27700
H	7.24800	-6.29200	8.17900
Fe	4.81800	-6.08500	7.07900
O	2.01400	-8.74900	16.24300
C	3.23200	-8.73700	16.17300
O	3.94100	-8.85500	17.30100
H	4.95900	-8.88800	17.17100
C	4.01400	-8.64000	14.85300
N	4.60700	-9.98900	14.63500
H	5.36400	-10.13400	15.32200
H	5.06700	-9.98200	13.71000
H	4.78100	-7.84200	14.95400
C	3.07800	-8.33200	13.67800
H	2.36100	-9.16900	13.61000
H	3.67400	-8.33900	12.74300
C	2.26900	-7.01600	13.77600
H	1.31300	-7.15300	13.24300
H	2.01300	-6.80800	14.83100
C	2.98100	-5.79700	13.21800
O	4.00100	-5.29500	13.72800
N	2.40700	-5.26800	12.10000
H	1.62000	-5.78200	11.69500
C	2.96100	-4.14500	11.37100
C	2.00400	-2.93200	11.28100
O	2.40700	-1.89900	10.71700
N	0.76300	-3.11100	11.78600
C	-0.31100	-2.12200	11.75900
C	-1.11100	-2.05700	13.08300
O	-0.64800	-2.66900	14.07900
O	-2.17600	-1.36500	13.05800
H	-1.02000	-2.33400	10.93600
H	0.12700	-1.13200	11.55000
H	0.56700	-3.96600	12.32700
H	3.84400	-3.82800	11.95000
C	3.42900	-4.52800	9.94300
H	2.56800	-4.71200	9.27200
H	4.02500	-3.71100	9.50100
S	4.48600	-6.01400	9.89200
C	6.27700	-5.08600	9.70300
O	6.17100	-3.81800	9.78200
C	7.28200	-5.73200	10.66500
C	7.07800	-5.34700	12.11700
H	7.25100	-4.26500	12.23000
H	6.05600	-5.59500	12.46000
H	7.81600	-5.87400	12.75000
H	8.26400	-5.34800	10.32300
O	7.28300	-7.17600	10.59000
H	7.28000	-7.45100	9.62900
O	3.99700	-8.66400	2.27700
H	3.32200	-8.76400	1.56000
H	4.70300	-9.31700	1.96400
O	10.57400	-4.94700	11.16300
H	10.38200	-5.76500	10.63700
H	11.52400	-4.70900	10.92000
O	9.85000	-7.52800	10.03800
H	8.97700	-7.39400	10.51800
H	9.53600	-7.63800	9.10400

O	4.90500	-9.14300	9.87600
H	5.01000	-8.39000	9.25100
H	3.92900	-9.17100	10.10600

IM(Fe2Zn)

H	7.28500	-8.16700	-1.43200
C	6.55600	-7.75700	-0.68200
H	5.52900	-7.99600	-1.01900
H	6.65400	-8.27200	0.28700
C	6.70500	-6.24700	-0.41700
O	7.74800	-5.63700	-0.73400
O	5.72800	-5.69400	0.24000
H	10.04100	-1.42500	2.57600
C	9.44200	-1.01100	3.42800
H	10.14100	-0.63100	4.19300
H	8.91800	-0.13300	3.00200
C	8.47100	-1.91600	4.12200
N	7.35600	-2.54800	3.57800
H	7.12000	-2.66400	2.57800
C	6.65600	-3.13000	4.58400
H	5.74100	-3.70400	4.42600
N	7.24800	-2.90600	5.76000
C	8.37800	-2.15800	5.47800
H	9.05700	-1.84400	6.27000
H	10.95900	-5.07000	6.66300
C	9.95400	-4.84500	7.08300
H	9.24800	-4.72100	6.24200
H	9.62100	-5.72500	7.66700
C	9.95500	-3.64500	7.98200
N	8.75200	-3.11800	8.44100
C	9.06500	-2.14300	9.29900
H	8.35100	-1.49000	9.79900
N	10.41200	-2.02200	9.41300
H	10.92200	-1.32000	9.98000
C	10.99900	-2.95800	8.58300
H	12.08300	-3.05000	8.51000
H	8.16900	-9.88000	5.96000
C	7.34800	-9.79600	6.70900
H	6.46200	-10.29300	6.29800
H	7.70200	-10.37800	7.58500
C	6.97500	-8.41300	7.20200
O	7.87000	-7.68100	7.81500
O	5.78600	-8.03200	7.08100
H	8.58500	-7.41700	2.43200
C	8.35400	-6.31900	2.52200
H	9.21200	-5.82200	3.01200
H	8.23000	-5.88300	1.51300
C	7.12300	-6.15500	3.36500
N	5.84500	-6.12000	2.84000
H	5.64300	-6.08600	1.78000
C	4.96400	-6.09700	3.86100
H	3.88600	-6.11400	3.73800
N	5.60500	-6.10300	5.03900
C	6.95600	-6.14400	4.74000
H	7.71600	-6.19000	5.52100
H	6.08100	2.73800	8.46800
C	5.35400	2.08900	7.93500
H	4.34100	2.46000	8.17400
H	5.49300	2.20600	6.84600
C	5.51600	0.65700	8.28400
N	4.98400	0.07100	9.41700
H	4.51000	0.58400	10.17000
C	5.34900	-1.23500	9.44300
H	5.02600	-1.94800	10.19500
N	6.11000	-1.51100	8.38300
C	6.22000	-0.34500	7.65500
H	6.77900	-0.30900	6.72100
H	2.99900	-1.51200	5.60000
C	3.66500	-1.98100	6.36400
H	4.66500	-1.53100	6.25700
H	3.32400	-1.71800	7.38400
C	3.80000	-3.50000	6.28600
O	3.10900	-4.23800	5.57500
O	4.71000	-4.00300	7.10400

H	-0.91100	-7.86200	5.59400
C	-0.61300	-7.63900	6.65200
H	-1.03100	-6.64600	6.90000
H	-1.08800	-8.37400	7.32800
C	0.86100	-7.63000	6.88400
N	1.57300	-8.70000	7.41000
H	1.19100	-9.62000	7.69200
C	2.86900	-8.33200	7.54800
H	3.65100	-8.97300	7.95100
N	3.03800	-7.07900	7.12000
C	1.79600	-6.62900	6.71300
H	1.69500	-5.63000	6.29700
Fe	6.68800	-3.41900	7.75700
O	6.54600	-5.49600	8.23700
H	7.16400	-6.31600	8.08200
Zn	4.79900	-6.07300	6.92300
O	1.98700	-8.70000	16.31100
C	3.20400	-8.70800	16.23700
O	3.91500	-8.81400	17.36700
H	4.93000	-8.87800	17.23200
C	3.99000	-8.64600	14.92000
N	4.58300	-9.99900	14.73900
H	5.30700	-10.14100	15.46400
H	5.10100	-9.99100	13.84300
H	4.75800	-7.84800	15.00700
C	3.06400	-8.36000	13.73300
H	2.34100	-9.19300	13.67900
H	3.66400	-8.39500	12.80300
C	2.26100	-7.03800	13.79300
H	1.31300	-7.17700	13.24500
H	1.98600	-6.81500	14.84000
C	2.98700	-5.82700	13.23300
O	4.03700	-5.36300	13.71500
N	2.38500	-5.25200	12.15300
H	1.56800	-5.73600	11.76900
C	2.94700	-4.13100	11.42800
C	1.99500	-2.91600	11.33300
O	2.40400	-1.88600	10.76800
N	0.74900	-3.09300	11.82400
C	-0.32500	-2.10500	11.78900
C	-1.13400	-2.04800	13.10900
O	-0.67800	-2.66900	14.10200
O	-2.19800	-1.35500	13.08100
H	-1.02900	-2.31800	10.96200
H	0.11200	-1.11400	11.58400
H	0.54900	-3.94300	12.37100
H	3.83200	-3.82200	12.01000
C	3.41700	-4.51300	10.00000
H	2.55400	-4.66000	9.32100
H	4.03800	-3.71300	9.56400
S	4.42900	-6.02600	9.93800
C	6.21400	-5.19700	9.72900
O	6.22200	-3.92800	9.88500
C	7.18500	-6.03700	10.58200
C	7.07600	-5.72700	12.06600
H	7.29400	-4.65800	12.23600
H	6.05500	-5.93300	12.44300
H	7.81400	-6.32700	12.63100
H	8.20100	-5.77800	10.22700
O	6.97900	-7.44200	10.37700
H	7.35700	-7.66400	9.47800
O	4.01100	-8.63800	2.27100
H	3.32700	-8.74600	1.56300
H	4.71200	-9.29500	1.95400
O	10.56000	-5.24000	10.83600
H	10.04600	-4.45500	10.55400
H	11.53000	-4.94300	10.75000
O	10.09500	-7.59800	9.46800
H	10.14700	-6.69300	9.88300
H	9.42000	-7.57300	8.74500

O	4.91600	-9.19100	10.23000
H	5.25300	-8.27000	10.11500
H	3.92500	-9.14500	10.34300

IM(Fe2/2)

H	7.28400	-8.16000	-1.42800
C	6.55600	-7.75000	-0.67700
H	5.52900	-7.98200	-1.01400
H	6.65300	-8.26900	0.29000
C	6.71400	-6.24200	-0.40400
O	7.76400	-5.63800	-0.71500
O	5.74100	-5.68400	0.25400
H	10.07100	-1.41300	2.54600
C	9.47700	-0.98900	3.39500
H	10.17900	-0.60000	4.15300
H	8.94600	-0.11800	2.96400
C	8.51800	-1.89200	4.10500
N	7.40100	-2.53600	3.58000
H	7.15300	-2.66000	2.58400
C	6.71900	-3.11700	4.59900
H	5.80800	-3.70100	4.46000
N	7.32600	-2.87900	5.76500
C	8.44700	-2.12600	5.46300
H	9.13500	-1.80600	6.24400
H	10.98300	-5.06600	6.67200
C	9.98800	-4.83300	7.11000
H	9.26500	-4.71600	6.28300
H	9.66500	-5.70400	7.71200
C	10.01600	-3.62300	7.99400
N	8.82500	-3.06600	8.44800
C	9.15600	-2.09000	9.29700
H	8.45600	-1.41600	9.78900
N	10.50400	-1.99800	9.41100
H	11.02400	-1.30600	9.98200
C	11.07300	-2.95300	8.59100
H	12.15500	-3.06800	8.52000
H	8.14900	-9.86700	5.97000
C	7.32700	-9.77100	6.71600
H	6.43600	-10.25600	6.30200
H	7.66900	-10.36300	7.59100
C	6.97000	-8.39000	7.22600
O	7.88400	-7.66800	7.82600
O	5.78000	-7.99900	7.14400
H	8.57300	-7.40400	2.45200
C	8.34100	-6.30700	2.55200
H	9.20100	-5.81500	3.04300
H	8.21600	-5.86500	1.54500
C	7.11000	-6.14300	3.39800
N	5.83500	-6.07900	2.86600
H	5.64000	-6.05100	1.80700
C	4.95100	-6.04400	3.88600
H	3.87300	-6.03800	3.75700
N	5.58200	-6.07500	5.07000
C	6.93400	-6.14300	4.77300
H	7.69000	-6.20400	5.55600
H	6.07600	2.74800	8.47500
C	5.34500	2.10000	7.94600
H	4.33300	2.46700	8.19600
H	5.47400	2.21900	6.85700
C	5.52000	0.66900	8.29200
N	4.99400	0.07300	9.42200
H	4.50500	0.57600	10.17200
C	5.38800	-1.22400	9.45200
H	5.07800	-1.94300	10.20400
N	6.16200	-1.48500	8.39700
C	6.25000	-0.31700	7.66900
H	6.81700	-0.27000	6.73900
H	3.03500	-1.52200	5.61300
C	3.71500	-1.96800	6.37900
H	4.70800	-1.50500	6.25700
H	3.37500	-1.68900	7.39600
C	3.86800	-3.48300	6.34600
O	3.12800	-4.26500	5.73400
O	4.84300	-3.95500	7.10200

H	-0.94700	-7.89000	5.55800
C	-0.65000	-7.67600	6.61800
H	-1.05200	-6.67700	6.86700
H	-1.13500	-8.40400	7.29200
C	0.82400	-7.69200	6.84700
N	1.51700	-8.77500	7.37000
H	1.12200	-9.68700	7.65400
C	2.82000	-8.42700	7.50300
H	3.59100	-9.07700	7.91200
N	3.01200	-7.17900	7.07100
C	1.77400	-6.70700	6.67300
H	1.68200	-5.70200	6.27200
Fe	6.78900	-3.36800	7.76500
O	6.69800	-5.44200	8.26300
H	7.25200	-6.31600	8.09100
Fe	4.78100	-6.05500	7.01700
O	1.98500	-8.65500	16.28200
C	3.20300	-8.67300	16.21000
O	3.91000	-8.78400	17.34200
H	4.92500	-8.85800	17.21100
C	3.99100	-8.62200	14.89300
N	4.58500	-9.97700	14.72500
H	5.30800	-10.11300	15.45100
H	5.10200	-9.97700	13.82800
H	4.76000	-7.82300	14.97600
C	3.06800	-8.34900	13.69900
H	2.35000	-9.18600	13.65000
H	3.67300	-8.39300	12.77200
C	2.25400	-7.03300	13.73700
H	1.32400	-7.18300	13.16300
H	1.94800	-6.81200	14.77500
C	2.97600	-5.81000	13.19800
O	3.96500	-5.28900	13.74600
N	2.44500	-5.29300	12.05300
H	1.68500	-5.82100	11.61400
C	2.99700	-4.14800	11.35800
C	2.03800	-2.93200	11.30800
O	2.44600	-1.88200	10.77800
N	0.79200	-3.12700	11.79200
C	-0.28800	-2.14300	11.76200
C	-1.09500	-2.06700	13.08300
O	-0.63700	-2.66900	14.08700
O	-2.16200	-1.37800	13.04500
H	-0.99500	-2.36600	10.94000
H	0.14600	-1.15300	11.54500
H	0.58900	-3.99900	12.30400
H	3.88300	-3.85100	11.94300
C	3.44500	-4.47000	9.90800
H	2.57100	-4.57300	9.23700
H	4.06700	-3.65300	9.50800
S	4.42400	-5.99500	9.71300
C	6.30400	-5.17600	9.69500
O	6.29200	-3.91700	9.89600
C	7.16100	-6.05600	10.62500
C	6.91700	-5.76800	12.09600
H	7.15100	-4.71200	12.31400
H	5.86200	-5.95200	12.36900
H	7.57800	-6.40100	12.71900
H	8.21200	-5.81300	10.37300
O	6.95300	-7.45200	10.38100
H	7.36000	-7.66400	9.49300
O	4.01400	-8.62800	2.27300
H	3.32200	-8.74100	1.57500
H	4.71200	-9.28600	1.95300
O	10.56100	-5.22100	10.83300
H	10.05600	-4.43900	10.52800
H	11.53400	-4.93200	10.75000
O	10.09000	-7.59200	9.50000
H	10.15200	-6.68200	9.90400
H	9.43200	-7.56400	8.76100

O	4.87000	-9.17000	10.22300
H	5.19200	-8.24400	10.11000
H	3.87800	-9.14100	10.33500

IM(ZnCo)			
H	7.23300	-8.17500	-1.39100
C	6.49500	-7.78000	-0.64300
H	5.47300	-8.01900	-0.99300
H	6.58500	-8.30200	0.32300
C	6.63700	-6.27300	-0.36200
O	7.66200	-5.64400	-0.70700
O	5.67900	-5.74100	0.34000
H	10.02000	-1.44300	2.58000
C	9.41400	-1.02900	3.42700
H	10.10600	-0.63300	4.19100
H	8.87700	-0.16400	2.99400
C	8.45900	-1.94900	4.12400
N	7.36400	-2.61500	3.57800
H	7.13000	-2.73300	2.57800
C	6.67800	-3.21500	4.58300
H	5.77700	-3.81100	4.42800
N	7.26100	-2.96700	5.75700
C	8.36900	-2.18700	5.48000
H	9.03300	-1.85200	6.27600
H	10.95900	-5.14100	6.66500
C	9.94700	-4.92300	7.08500
H	9.25100	-4.81100	6.23300
H	9.60100	-5.79800	7.67000
C	9.94000	-3.70700	7.96800
N	8.74100	-3.15000	8.40200
C	9.06200	-2.17100	9.25100
H	8.35300	-1.50400	9.74100
N	10.40500	-2.07000	9.37600
H	10.91800	-1.37600	9.95100
C	10.98400	-3.02900	8.57300
H	12.06800	-3.13900	8.51700
H	8.13300	-9.90200	5.98900
C	7.31400	-9.82400	6.73800
H	6.41700	-10.28000	6.30700
H	7.65100	-10.46000	7.58400
C	6.97200	-8.47000	7.32900
O	7.88500	-7.78000	7.95100
O	5.76400	-8.09800	7.29700
H	8.56200	-7.45900	2.46100
C	8.31100	-6.36700	2.57800
H	9.17000	-5.86400	3.05900
H	8.15800	-5.91600	1.58000
C	7.09400	-6.23800	3.45100
N	5.80700	-6.21200	2.94800
H	5.59000	-6.17000	1.89300
C	4.94300	-6.21200	3.98600
H	3.86200	-6.23700	3.88200
N	5.60400	-6.22600	5.15600
C	6.94900	-6.24800	4.83000
H	7.72400	-6.28900	5.59600
H	6.06600	2.77200	8.43700
C	5.34600	2.13900	7.87800
H	4.33000	2.51100	8.09900
H	5.51200	2.26600	6.79500
C	5.50100	0.70600	8.21800
N	4.98400	0.12300	9.35800
H	4.52700	0.63900	10.12100
C	5.35500	-1.18000	9.38300
H	5.04300	-1.89500	10.13800
N	6.10400	-1.45400	8.31600
C	6.20200	-0.29300	7.58400
H	6.75400	-0.25800	6.64400
H	3.01000	-1.54800	5.59500
C	3.67700	-2.00900	6.35900
H	4.67400	-1.55500	6.25000
H	3.33500	-1.74400	7.37900
C	3.81700	-3.52500	6.29200
O	3.12500	-4.28000	5.60000
O	4.73300	-4.02100	7.11000

H	-0.94300	-7.83800	5.58300
C	-0.64900	-7.58400	6.63500
H	-1.03800	-6.57200	6.84500
H	-1.14900	-8.28200	7.33100
C	0.82400	-7.61500	6.87600
N	1.50600	-8.73900	7.31900
H	1.09700	-9.66100	7.54000
C	2.81300	-8.41700	7.47600
H	3.57100	-9.12000	7.81000
N	3.02300	-7.14000	7.14400
C	1.78700	-6.62900	6.78000
H	1.70700	-5.60300	6.43000
Zn	6.68300	-3.33700	7.73400
O	6.60800	-5.49700	8.23700
H	7.21200	-6.32100	8.14100
Co	4.79300	-6.08200	7.04500
O	2.00900	-8.75800	16.25200
C	3.22600	-8.74400	16.17900
O	3.93700	-8.85500	17.30600
H	4.95600	-8.88800	17.17400
C	4.00600	-8.65000	14.85800
N	4.60400	-9.99700	14.64400
H	5.36000	-10.13900	15.33200
H	5.06500	-9.99000	13.71900
H	4.77000	-7.84800	14.95400
C	3.06700	-8.35000	13.68300
H	2.34900	-9.18600	13.62300
H	3.66000	-8.36400	12.74700
C	2.26100	-7.03200	13.77500
H	1.30500	-7.16800	13.24100
H	2.00400	-6.82000	14.82800
C	2.97800	-5.81700	13.21300
O	4.00900	-5.32800	13.71000
N	2.39400	-5.27700	12.10500
H	1.59500	-5.78000	11.71000
C	2.95100	-4.15700	11.37300
C	1.99900	-2.93900	11.28700
O	2.40600	-1.90700	10.72400
N	0.75800	-3.11400	11.79200
C	-0.31300	-2.12100	11.76500
C	-1.11600	-2.05800	13.08800
O	-0.65600	-2.67400	14.08300
O	-2.17900	-1.36400	13.06200
H	-1.01900	-2.32800	10.93900
H	0.12900	-1.13200	11.56000
H	0.56000	-3.96700	12.33400
H	3.83900	-3.84500	11.94800
C	3.40800	-4.54300	9.94400
H	2.54100	-4.72800	9.28000
H	4.00000	-3.72900	9.49200
S	4.46600	-6.02700	9.88800
C	6.24300	-5.11500	9.66700
O	6.14200	-3.84400	9.74200
C	7.26700	-5.75100	10.61500
C	7.08200	-5.35700	12.06800
H	7.24600	-4.27300	12.17000
H	6.06800	-5.61200	12.42700
H	7.83600	-5.87200	12.69300
H	8.24200	-5.36400	10.25600
O	7.27300	-7.19500	10.55200
H	7.27600	-7.47800	9.59100
O	3.98400	-8.67400	2.27200
H	3.31200	-8.76600	1.55200
H	4.68300	-9.33700	1.96300
O	10.56400	-4.95300	11.15200
H	10.37000	-5.76900	10.62400
H	11.51500	-4.71700	10.91100
O	9.84300	-7.53900	10.01400
H	8.96500	-7.40500	10.48700
H	9.53800	-7.65100	9.07800

O	4.88900	-9.14900	9.88200
H	4.98500	-8.37700	9.27800
H	3.91300	-9.18700	10.10900

IM(CoZn)			
H	7.25800	-8.17200	-1.42400
C	6.51900	-7.76600	-0.68500
H	5.49700	-8.01100	-1.03000
H	6.60800	-8.26800	0.29100
C	6.66400	-6.25300	-0.44200
O	7.70200	-5.64000	-0.77400
O	5.69100	-5.69600	0.22000
H	10.01900	-1.43100	2.57900
C	9.41400	-1.02000	3.42800
H	10.10800	-0.62800	4.19100
H	8.87900	-0.15100	2.99500
C	8.45300	-1.93400	4.12600
N	7.35200	-2.59300	3.58500
H	7.11400	-2.71400	2.58600
C	6.66700	-3.18700	4.59600
H	5.76100	-3.77500	4.44400
N	7.25300	-2.94100	5.77200
C	8.36200	-2.16400	5.48400
H	9.02900	-1.82400	6.27300
H	10.91000	-5.06000	6.67500
C	9.90100	-4.82800	7.09000
H	9.20100	-4.71200	6.24300
H	9.56300	-5.70300	7.67800
C	9.90000	-3.61600	7.97500
N	8.70200	-3.03300	8.38100
C	9.02100	-2.05600	9.23100
H	8.31600	-1.36600	9.69100
N	10.36600	-1.98800	9.39800
H	10.88200	-1.29200	9.96700
C	10.94600	-2.95900	8.60400
H	12.02900	-3.08600	8.56500
H	8.15200	-9.91600	5.92300
C	7.33100	-9.84900	6.66700
H	6.44500	-10.33700	6.24500
H	7.68200	-10.44400	7.53600
C	6.96700	-8.47000	7.17500
O	7.86700	-7.75500	7.80300
O	5.78400	-8.07300	7.05200
H	8.57600	-7.43700	2.40400
C	8.33500	-6.34100	2.49300
H	9.18800	-5.83600	2.98300
H	8.20700	-5.90800	1.48400
C	7.10300	-6.18500	3.33700
N	5.82500	-6.14200	2.81100
H	5.62000	-6.10000	1.75100
C	4.94400	-6.12000	3.83200
H	3.86700	-6.13500	3.70800
N	5.58500	-6.13600	5.01000
C	6.93600	-6.18100	4.71200
H	7.69500	-6.23100	5.49300
H	6.08600	2.75100	8.46100
C	5.36000	2.10900	7.92000
H	4.34600	2.48100	8.15300
H	5.50900	2.22700	6.83300
C	5.51900	0.67700	8.26900
N	4.98300	0.09000	9.39700
H	4.50500	0.60100	10.15000
C	5.35900	-1.21400	9.42600
H	5.03200	-1.92800	10.17600
N	6.13100	-1.48400	8.37300
C	6.23700	-0.31900	7.64700
H	6.80500	-0.28100	6.71700
H	3.00500	-1.50800	5.61200
C	3.66900	-1.96900	6.38000
H	4.66700	-1.51200	6.27900
H	3.31900	-1.70900	7.39800
C	3.80800	-3.48500	6.29800
O	3.10700	-4.22700	5.60200
O	4.73600	-3.99700	7.09300

H	-0.93700	-7.88500	5.57000
C	-0.62700	-7.66700	6.62700
H	-1.04800	-6.67900	6.88500
H	-1.09000	-8.41100	7.30100
C	0.85000	-7.65100	6.84800
N	1.56600	-8.71700	7.37900
H	1.18600	-9.63600	7.66400
C	2.86100	-8.34400	7.51500
H	3.64500	-8.98000	7.92100
N	3.02700	-7.09200	7.08000
C	1.78300	-6.64900	6.67100
H	1.67900	-5.65000	6.25700
Co	6.63800	-3.35900	7.74800
O	6.55900	-5.55700	8.15400
H	7.15900	-6.39500	8.03700
Zn	4.79400	-6.08300	6.89300
O	1.98900	-8.68400	16.29500
C	3.20600	-8.69900	16.22200
O	3.91500	-8.80300	17.35300
H	4.93000	-8.87400	17.22000
C	3.99300	-8.64700	14.90500
N	4.58600	-10.00100	14.73200
H	5.30900	-10.14000	15.45700
H	5.10200	-9.99900	13.83500
H	4.76200	-7.84800	14.98700
C	3.06700	-8.36800	13.71500
H	2.34200	-9.19900	13.67000
H	3.66700	-8.41500	12.78500
C	2.26900	-7.04300	13.76100
H	1.32500	-7.18300	13.20600
H	1.98500	-6.81300	14.80400
C	3.00100	-5.83600	13.20100
O	4.04500	-5.36800	13.69300
N	2.41100	-5.27000	12.11000
H	1.60000	-5.75700	11.71800
C	2.97000	-4.14300	11.39200
C	2.01900	-2.92400	11.31500
O	2.43100	-1.88700	10.76600
N	0.77300	-3.10500	11.80300
C	-0.30100	-2.11500	11.77100
C	-1.11100	-2.05600	13.09100
O	-0.65300	-2.67100	14.08700
O	-2.17800	-1.36600	13.06100
H	-1.00300	-2.32400	10.94200
H	0.13800	-1.12400	11.56900
H	0.56900	-3.96100	12.33900
H	3.85800	-3.84000	11.97200
C	3.42800	-4.50900	9.95500
H	2.55700	-4.64600	9.28500
H	4.04500	-3.70500	9.52300
S	4.43400	-6.02500	9.85900
C	6.23200	-5.22800	9.58200
O	6.23400	-3.94100	9.71500
C	7.18700	-6.02500	10.49500
C	7.06300	-5.65000	11.96200
H	7.29200	-4.57700	12.08900
H	6.03800	-5.83300	12.33600
H	7.78900	-6.23300	12.56000
H	8.20800	-5.78400	10.14200
O	6.97900	-7.43700	10.35200
H	7.35900	-7.70000	9.46400
O	3.98900	-8.65200	2.25000
H	3.30500	-8.75400	1.54300
H	4.68600	-9.31400	1.93500
O	10.56900	-5.25100	10.82100
H	10.07000	-4.46700	10.51100
H	11.54200	-4.96300	10.74400
O	10.08800	-7.61900	9.47200
H	10.14500	-6.70900	9.87800
H	9.42600	-7.59800	8.73700

O	4.90600	-9.18300	10.22900
H	5.23400	-8.26000	10.10800
H	3.91400	-9.14700	10.33600

IM(CoCo)			
H	7.26000	-8.17300	-1.41600
C	6.52700	-7.77000	-0.67000
H	5.50200	-8.00500	-1.01400
H	6.61700	-8.28700	0.29800
C	6.68100	-6.26100	-0.40400
O	7.71800	-5.64800	-0.74000
O	5.71800	-5.71100	0.27500
H	10.03400	-1.42600	2.57200
C	9.43300	-1.00900	3.42000
H	10.12900	-0.61600	4.18100
H	8.89900	-0.14100	2.98600
C	8.47400	-1.91900	4.12500
N	7.37000	-2.58100	3.59200
H	7.13100	-2.71000	2.59400
C	6.68800	-3.16800	4.60800
H	5.78300	-3.75900	4.46200
N	7.27800	-2.91400	5.78000
C	8.38700	-2.14000	5.48400
H	9.05900	-1.79900	6.26900
H	10.92500	-5.05700	6.68000
C	9.92000	-4.82000	7.10000
H	9.21400	-4.70400	6.25900
H	9.58300	-5.69000	7.69500
C	9.93100	-3.60600	7.98100
N	8.73800	-3.01400	8.38700
C	9.06400	-2.04000	9.23900
H	8.36400	-1.34500	9.70100
N	10.40900	-1.98200	9.40500
H	10.92800	-1.29000	9.97500
C	10.98200	-2.95500	8.60900
H	12.06400	-3.09000	8.56900
H	8.13200	-9.90600	5.93600
C	7.30600	-9.82900	6.67600
H	6.42100	-10.31300	6.24900
H	7.64800	-10.42700	7.54600
C	6.94700	-8.45000	7.18800
O	7.86000	-7.74200	7.80900
O	5.76300	-8.05100	7.08600
H	8.56900	-7.41500	2.43700
C	8.33500	-6.31900	2.54200
H	9.19500	-5.82400	3.02900
H	8.20000	-5.87400	1.53900
C	7.11100	-6.16600	3.39900
N	5.83000	-6.13600	2.88200
H	5.62300	-6.10900	1.82500
C	4.95500	-6.11400	3.91100
H	3.87600	-6.13800	3.79400
N	5.60300	-6.11600	5.08600
C	6.95200	-6.15600	4.77700
H	7.71700	-6.19700	5.55200
H	6.07900	2.75700	8.46600
C	5.35000	2.11600	7.92900
H	4.33700	2.48600	8.17100
H	5.48900	2.23600	6.84100
C	5.51800	0.68500	8.27500
N	4.98100	0.09100	9.40000
H	4.49300	0.59600	10.14900
C	5.37900	-1.20600	9.43600
H	5.05700	-1.92400	10.18500
N	6.16400	-1.46500	8.39000
C	6.25700	-0.30100	7.66100
H	6.83300	-0.25600	6.73600
H	3.01900	-1.51100	5.61800
C	3.68700	-1.96000	6.38900
H	4.68000	-1.49200	6.28600
H	3.33300	-1.69400	7.40400
C	3.84900	-3.47300	6.33200
O	3.16600	-4.24900	5.65200
O	4.77500	-3.95900	7.14300

H	-0.93900	-7.89200	5.55200
C	-0.62700	-7.67300	6.60600
H	-1.04300	-6.68100	6.86300
H	-1.09300	-8.41100	7.28300
C	0.85000	-7.66500	6.82700
N	1.55800	-8.73400	7.35900
H	1.17400	-9.65000	7.64600
C	2.85600	-8.36500	7.49900
H	3.63500	-9.00300	7.91300
N	3.03200	-7.11600	7.06200
C	1.78900	-6.66700	6.65300
H	1.68700	-5.66600	6.24100
Co	6.68600	-3.32700	7.75100
O	6.65500	-5.51600	8.15800
H	7.22100	-6.38600	8.03400
Co	4.78400	-6.04000	6.97200
O	1.99400	-8.65300	16.26900
C	3.21100	-8.67600	16.19900
O	3.91600	-8.78300	17.33200
H	4.93100	-8.86200	17.20200
C	4.00100	-8.63300	14.88300
N	4.59500	-9.98900	14.72000
H	5.31800	-10.12200	15.44600
H	5.11100	-9.99300	13.82300
H	4.77000	-7.83400	14.96200
C	3.07900	-8.36500	13.68800
H	2.35600	-9.19900	13.64500
H	3.68300	-8.41900	12.76000
C	2.27300	-7.04500	13.71600
H	1.34000	-7.19300	13.14500
H	1.97000	-6.81400	14.75300
C	3.00300	-5.83200	13.16700
O	4.01400	-5.33100	13.69300
N	2.45200	-5.30000	12.03800
H	1.67200	-5.81200	11.61700
C	3.00300	-4.15700	11.33800
C	2.04800	-2.93700	11.29500
O	2.45800	-1.88700	10.76700
N	0.80200	-3.12900	11.78000
C	-0.27600	-2.14100	11.75000
C	-1.08500	-2.07000	13.07100
O	-0.62500	-2.67100	14.07500
O	-2.15300	-1.38300	13.03500
H	-0.98100	-2.35900	10.92500
H	0.16100	-1.15200	11.53900
H	0.59800	-3.99800	12.29600
H	3.89600	-3.86400	11.91500
C	3.43800	-4.48100	9.88400
H	2.55700	-4.59300	9.22400
H	4.05000	-3.66300	9.47200
S	4.42500	-6.00100	9.68400
C	6.28400	-5.20700	9.56300
O	6.27300	-3.93000	9.72800
C	7.16600	-6.03500	10.51900
C	6.96900	-5.67100	11.98000
H	7.21100	-4.60400	12.13200
H	5.92300	-5.84000	12.29900
H	7.65000	-6.27300	12.61100
H	8.21000	-5.80500	10.22600
O	6.95000	-7.44100	10.35300
H	7.34100	-7.69800	9.46900
O	3.99500	-8.64000	2.25600
H	3.30500	-8.74900	1.55400
H	4.68800	-9.30500	1.94100
O	10.56400	-5.24000	10.82700
H	10.06800	-4.45400	10.51400
H	11.53800	-4.95600	10.74900
O	10.07800	-7.60900	9.48700
H	10.13900	-6.69800	9.88900
H	9.42200	-7.58600	8.74700

O	4.86100	-9.16500	10.23100
H	5.17100	-8.23500	10.11200
H	3.86900	-9.14800	10.34100

IM1(ZnFe3)

H	7.25800	-8.21800	-1.45600
C	6.51700	-7.84700	-0.70200
H	5.50300	-8.15600	-1.01500
H	6.68000	-8.33800	0.26900
C	6.54000	-6.35300	-0.43600
O	7.52800	-5.63000	-0.75200
O	5.57100	-5.83100	0.22600
H	10.06000	-1.39800	2.55200
C	9.46700	-0.97000	3.40000
H	10.16800	-0.59000	4.16200
H	8.94700	-0.09300	2.97200
C	8.49400	-1.86500	4.10200
N	7.36400	-2.48300	3.57200
H	7.10800	-2.57400	2.57600
C	6.67500	-3.06600	4.58400
H	5.75000	-3.62500	4.43700
N	7.29100	-2.85800	5.75000
C	8.42100	-2.11600	5.45700
H	9.11200	-1.81200	6.24000
H	10.96800	-5.06100	6.67200
C	9.97500	-4.82600	7.10900
H	9.25700	-4.71300	6.27600
H	9.64800	-5.69100	7.71600
C	10.00500	-3.60600	7.97600
N	8.81900	-3.00600	8.38200
C	9.15100	-2.02100	9.22000
H	8.46000	-1.30800	9.66700
N	10.49400	-1.97400	9.37900
H	11.01400	-1.28600	9.95700
C	11.06000	-2.95700	8.59400
H	12.14000	-3.10100	8.55700
H	8.11600	-9.85700	5.99700
C	7.29700	-9.74100	6.74600
H	6.39800	-10.22300	6.34900
H	7.63700	-10.31800	7.63200
C	6.97600	-8.34200	7.22200
O	7.89900	-7.62200	7.77700
O	5.77700	-7.93600	7.13400
H	8.52200	-7.42100	2.45800
C	8.26500	-6.32900	2.54500
H	9.12400	-5.80800	3.00700
H	8.10800	-5.90300	1.53700
C	7.05500	-6.17100	3.41800
N	5.75200	-6.22200	2.94700
H	5.48700	-6.30300	1.93500
C	4.90600	-6.16300	3.99500
H	3.82600	-6.24300	3.91500
N	5.59600	-6.05700	5.14200
C	6.93600	-6.07300	4.79400
H	7.72600	-6.03000	5.54200
H	6.06100	2.77800	8.51000
C	5.30000	2.14200	8.01100
H	4.30600	2.51700	8.31300
H	5.38000	2.26100	6.91800
C	5.48600	0.71100	8.34400
N	5.05300	0.12000	9.51400
H	4.62000	0.63100	10.29600
C	5.45600	-1.17200	9.52400
H	5.22500	-1.88200	10.31300
N	6.14400	-1.43500	8.41200
C	6.17100	-0.27300	7.67100
H	6.67100	-0.22400	6.70400
H	3.04200	-1.53500	5.61400
C	3.70500	-1.98600	6.39300
H	4.69400	-1.51100	6.30600
H	3.33800	-1.72000	7.40400
C	3.88800	-3.49200	6.36300
O	3.20100	-4.30900	5.73400
O	4.85000	-3.95000	7.15100

H	-0.89500	-7.89300	5.56700
C	-0.60200	-7.67100	6.62700
H	-1.01900	-6.67900	6.87600
H	-1.07500	-8.40800	7.30100
C	0.87100	-7.66200	6.86300
N	1.58300	-8.72900	7.39900
H	1.19800	-9.64700	7.69200
C	2.87500	-8.36200	7.54200
H	3.65200	-8.99200	7.97100
N	3.04700	-7.10900	7.09800
C	1.80100	-6.66100	6.68800
H	1.68700	-5.66300	6.27700
Zn	6.79100	-3.25100	7.76200
O	6.67400	-5.42800	8.18900
H	7.27100	-6.28200	8.05400
Fe	4.81600	-6.02300	7.08700
O	2.01100	-8.65500	16.23200
C	3.22800	-8.70800	16.18700
O	3.91200	-8.83300	17.33000
H	4.92700	-8.93700	17.21700
C	4.04000	-8.67400	14.88200
N	4.61500	-10.03700	14.72100
H	5.32200	-10.19000	15.45900
H	5.14000	-10.05500	13.83100
H	4.81700	-7.88400	14.97400
C	3.13500	-8.39000	13.67600
H	2.40800	-9.21900	13.61900
H	3.75300	-8.44300	12.75700
C	2.33700	-7.06400	13.69900
H	1.39700	-7.21000	13.13800
H	2.04100	-6.82400	14.73600
C	3.07600	-5.86400	13.13500
O	4.15500	-5.44000	13.58800
N	2.45900	-5.25700	12.07800
H	1.58900	-5.68400	11.74500
C	3.00300	-4.11000	11.38200
C	2.04000	-2.89400	11.31500
O	2.43800	-1.86800	10.73300
N	0.80800	-3.07000	11.83400
C	-0.28200	-2.09200	11.78900
C	-1.12300	-2.06900	13.09300
O	-0.68400	-2.71500	14.07800
O	-2.18700	-1.37900	13.05900
H	-0.96000	-2.30400	10.94100
H	0.14300	-1.09100	11.61000
H	0.61600	-3.91200	12.39700
H	3.89200	-3.81100	11.96400
C	3.45400	-4.41800	9.92500
H	2.57900	-4.51500	9.25500
H	4.07500	-3.59200	9.53900
S	4.43500	-5.94600	9.71900
C	6.34900	-5.12100	9.64100
O	6.33500	-3.87000	9.81800
C	7.21700	-6.00800	10.55000
C	7.09900	-5.65600	12.02400
H	7.47600	-4.63400	12.19800
H	6.05300	-5.72100	12.37900
H	7.72900	-6.34900	12.61200
H	8.25900	-5.83200	10.22200
O	6.91900	-7.39400	10.36600
H	7.41800	-7.70200	9.56700
O	4.05500	-8.56800	2.23700
H	3.34400	-8.70400	1.56200
H	4.73700	-9.25400	1.93100
O	10.59200	-5.20900	10.81900
H	10.08700	-4.40200	10.58800
H	11.56800	-4.92100	10.74400
O	10.00800	-7.60200	9.63300
H	10.15600	-6.67700	9.98200
H	9.48400	-7.54300	8.80000

O	4.88400	-9.13300	10.22500
H	5.20500	-8.20300	10.14500
H	3.89500	-9.11900	10.36900

IM(Fe3Zn)

H	7.26800	-8.20800	-1.45600
C	6.52700	-7.82400	-0.70800
H	5.51000	-8.11600	-1.03000
H	6.66800	-8.31500	0.26700
C	6.58300	-6.32200	-0.45500
O	7.60000	-5.64400	-0.76900
O	5.60700	-5.78300	0.18700
H	10.00700	-1.41400	2.55200
C	9.42700	-0.97600	3.40500
H	10.13400	-0.56800	4.14600
H	8.89300	-0.10800	2.97600
C	8.46400	-1.85600	4.14200
N	7.37700	-2.56400	3.63200
H	7.13800	-2.72100	2.63900
C	6.68200	-3.10100	4.66500
H	5.79100	-3.71600	4.53900
N	7.25400	-2.76600	5.83200
C	8.36000	-1.99400	5.50900
H	9.00300	-1.58100	6.27800
H	10.84900	-4.92700	6.67400
C	9.82400	-4.67600	7.04600
H	9.17300	-4.54900	6.16300
H	9.43900	-5.54600	7.61300
C	9.80500	-3.47500	7.94500
N	8.60700	-2.89200	8.37500
C	8.92600	-1.96500	9.28800
H	8.22700	-1.30300	9.79400
N	10.26400	-1.92000	9.45100
H	10.78500	-1.26200	10.06000
C	10.84100	-2.84900	8.61400
H	11.92300	-2.98400	8.57900
H	8.19200	-9.88600	5.97700
C	7.37300	-9.82700	6.72900
H	6.48900	-10.32700	6.31600
H	7.74100	-10.41800	7.59400
C	6.99500	-8.45400	7.24000
O	7.89400	-7.72700	7.85700
O	5.80600	-8.06700	7.11800
H	8.54700	-7.43400	2.42500
C	8.29700	-6.34000	2.49700
H	9.15100	-5.81900	2.96800
H	8.15500	-5.92300	1.48300
C	7.07600	-6.18000	3.35300
N	5.78500	-6.20600	2.85800
H	5.54100	-6.23300	1.83100
C	4.92200	-6.18200	3.89500
H	3.84400	-6.25900	3.79400
N	5.59000	-6.12300	5.05400
C	6.93600	-6.12800	4.73000
H	7.71200	-6.12700	5.49500
H	6.04000	2.78700	8.49900
C	5.36600	2.12000	7.92300
H	4.32700	2.43900	8.12400
H	5.54800	2.26600	6.84400
C	5.56500	0.68500	8.24300
N	5.03600	0.06700	9.35800
H	4.55300	0.55600	10.12300
C	5.39800	-1.23700	9.35500
H	5.08200	-1.97000	10.09000
N	6.15800	-1.48000	8.27700
C	6.27600	-0.29100	7.58000
H	6.84400	-0.21700	6.65500
H	3.05600	-1.48100	5.60800
C	3.74400	-1.91500	6.37300
H	4.72300	-1.42700	6.25400
H	3.39100	-1.65400	7.39100
C	3.92600	-3.42000	6.32500
O	3.20600	-4.21400	5.71900
O	4.91800	-3.91800	7.07000

H	-0.90700	-7.85800	5.57800
C	-0.61900	-7.61900	6.63600
H	-1.03400	-6.62200	6.87100
H	-1.09900	-8.34400	7.31700
C	0.85400	-7.61800	6.87200
N	1.55100	-8.68400	7.42500
H	1.16000	-9.60000	7.69800
C	2.85200	-8.32900	7.55100
H	3.62600	-8.97000	7.96900
N	3.03600	-7.08900	7.09000
C	1.80000	-6.63400	6.67600
H	1.70100	-5.63800	6.25700
Fe	6.70600	-3.25600	7.75700
O	6.65400	-5.56800	8.12200
H	7.25600	-6.45400	8.04700
Zn	4.80700	-6.10400	6.93100
O	2.03400	-8.66600	16.26100
C	3.25200	-8.66500	16.21300
O	3.94700	-8.79400	17.34800
H	4.96400	-8.85400	17.22400
C	4.05500	-8.57000	14.90500
N	4.62900	-9.92700	14.68500
H	5.35200	-10.09800	15.40300
H	5.13800	-9.90600	13.78600
H	4.83400	-7.78600	15.02100
C	3.13500	-8.24400	13.72400
H	2.41300	-9.07600	13.66600
H	3.73500	-8.26900	12.79200
C	2.32600	-6.92500	13.79900
H	1.37200	-7.07300	13.26500
H	2.06400	-6.70200	14.84800
C	3.02400	-5.70400	13.22200
O	3.98400	-5.13200	13.77700
N	2.51300	-5.25800	12.04300
H	1.78700	-5.82500	11.59000
C	3.02900	-4.11900	11.31400
C	2.05400	-2.91300	11.25700
O	2.45600	-1.87900	10.69100
N	0.82500	-3.10100	11.77700
C	-0.26900	-2.12700	11.75000
C	-1.06800	-2.05400	13.07900
O	-0.58200	-2.63200	14.08500
O	-2.15000	-1.39300	13.04000
H	-0.97600	-2.36300	10.93300
H	0.15300	-1.13300	11.52700
H	0.63300	-3.97200	12.29700
H	3.92600	-3.78700	11.86300
C	3.41600	-4.48200	9.86100
H	2.52100	-4.75700	9.27300
H	3.91400	-3.63800	9.36100
S	4.51100	-5.93100	9.71000
C	6.26900	-5.19200	9.48300
O	6.27700	-3.85300	9.53500
C	7.19500	-5.89500	10.49300
C	7.02500	-5.41300	11.92100
H	7.27900	-4.34200	11.97800
H	5.98900	-5.56400	12.27900
H	7.71900	-5.97300	12.57500
H	8.22600	-5.67200	10.16200
O	6.95900	-7.30500	10.44000
H	7.40000	-7.65700	9.62100
O	4.04600	-8.62200	2.25300
H	3.34900	-8.74200	1.56000
H	4.73900	-9.29300	1.94300
O	10.42800	-4.94000	10.97900
H	9.99500	-4.13000	11.36200
H	11.39000	-4.67100	10.83300
O	9.99200	-7.44300	9.82100
H	10.01400	-6.50900	10.16800
H	9.52000	-7.43500	8.95700

O	4.54800	-9.03800	10.30300
H	4.75100	-8.08400	10.14900
H	3.56800	-9.07500	10.48500

IM(Fe2/3)

H	7.25800	-8.21100	-1.45400
C	6.51600	-7.83600	-0.70200
H	5.50100	-8.13600	-1.02100
H	6.66800	-8.33100	0.26900
C	6.55100	-6.34100	-0.43400
O	7.54900	-5.63100	-0.74700
O	5.58200	-5.81400	0.22400
H	10.05400	-1.39800	2.55000
C	9.45900	-0.97000	3.39700
H	10.15700	-0.58900	4.16000
H	8.93800	-0.09300	2.96700
C	8.48600	-1.86700	4.09500
N	7.36400	-2.49700	3.55900
H	7.11200	-2.59000	2.56100
C	6.67700	-3.08800	4.56600
H	5.75900	-3.65700	4.41400
N	7.28300	-2.87200	5.73800
C	8.40800	-2.11700	5.44900
H	9.09200	-1.80600	6.23500
H	10.95200	-5.05300	6.67600
C	9.95700	-4.81300	7.10900
H	9.24400	-4.70300	6.27300
H	9.62500	-5.67500	7.71900
C	9.98800	-3.58700	7.97000
N	8.80500	-2.96000	8.35000
C	9.14400	-1.97500	9.18700
H	8.46200	-1.24400	9.61500
N	10.48600	-1.95400	9.37000
H	11.00900	-1.27200	9.95100
C	11.04600	-2.95200	8.60000
H	12.12400	-3.11300	8.57600
H	8.12300	-9.87500	5.98200
C	7.30400	-9.77100	6.73200
H	6.40700	-10.25300	6.32800
H	7.64600	-10.35500	7.61200
C	6.97500	-8.37800	7.21900
O	7.89300	-7.66100	7.78800
O	5.77700	-7.97300	7.12500
H	8.53000	-7.42600	2.45000
C	8.27700	-6.33300	2.53900
H	9.13500	-5.81600	3.00600
H	8.12400	-5.90400	1.53200
C	7.06400	-6.17700	3.40800
N	5.76400	-6.20800	2.92900
H	5.50600	-6.26700	1.91100
C	4.91400	-6.15900	3.97300
H	3.83300	-6.22800	3.88700
N	5.59800	-6.07900	5.12600
C	6.94000	-6.10100	4.78500
H	7.72600	-6.07800	5.53700
H	6.07700	2.76800	8.51200
C	5.31900	2.12700	8.01400
H	4.32300	2.50600	8.30500
H	5.40700	2.23500	6.92100
C	5.49800	0.69900	8.36700
N	5.04200	0.12400	9.53500
H	4.60600	0.64800	10.30700
C	5.44000	-1.17000	9.56800
H	5.19100	-1.86800	10.36200
N	6.14700	-1.45000	8.47100
C	6.19300	-0.29500	7.71800
H	6.71300	-0.25700	6.76100
H	3.06500	-1.53800	5.61300
C	3.73400	-1.99000	6.38800
H	4.72600	-1.52300	6.29200
H	3.37700	-1.72200	7.40200
C	3.90400	-3.49800	6.35400
O	3.21200	-4.30700	5.72500
O	4.86500	-3.97300	7.14100

H	-0.89800	-7.88600	5.56900
C	-0.60500	-7.66100	6.62900
H	-1.01800	-6.66500	6.87200
H	-1.08500	-8.39200	7.30500
C	0.86600	-7.66000	6.86800
N	1.57100	-8.73200	7.40400
H	1.18100	-9.64900	7.69300
C	2.86500	-8.37400	7.55100
H	3.63800	-9.01000	7.97800
N	3.04500	-7.12100	7.11100
C	1.80400	-6.66400	6.69700
H	1.69600	-5.66500	6.28600
Fe	6.76100	-3.29100	7.77400
O	6.65100	-5.48600	8.18000
H	7.26400	-6.33500	8.06400
Fe	4.82300	-6.06000	7.06400
O	2.01400	-8.64800	16.22700
C	3.23100	-8.70000	16.18300
O	3.91300	-8.82700	17.32800
H	4.92900	-8.93100	17.21600
C	4.04400	-8.66500	14.88000
N	4.61600	-10.02800	14.71400
H	5.32400	-10.18500	15.45100
H	5.14100	-10.04500	13.82400
H	4.82300	-7.87700	14.97400
C	3.14100	-8.37500	13.67400
H	2.41400	-9.20300	13.61300
H	3.75900	-8.42400	12.75500
C	2.34200	-7.04900	13.70300
H	1.40000	-7.19400	13.14800
H	2.05300	-6.81000	14.74200
C	3.07800	-5.84900	13.13600
O	4.15800	-5.42100	13.58700
N	2.45900	-5.24400	12.07900
H	1.58700	-5.67000	11.75100
C	2.99900	-4.09700	11.38100
C	2.03100	-2.88500	11.30800
O	2.42400	-1.86100	10.72100
N	0.80000	-3.06300	11.82900
C	-0.29100	-2.08500	11.78600
C	-1.12900	-2.06300	13.09200
O	-0.68600	-2.71000	14.07500
O	-2.19300	-1.37500	13.06200
H	-0.97000	-2.29700	10.93900
H	0.13300	-1.08400	11.60700
H	0.61000	-3.90200	12.39700
H	3.88500	-3.79100	11.96500
C	3.45500	-4.41000	9.92800
H	2.58200	-4.52700	9.25700
H	4.06800	-3.58400	9.53000
S	4.44800	-5.93400	9.73500
C	6.31700	-5.15400	9.62900
O	6.33300	-3.88400	9.77900
C	7.20400	-6.01400	10.54400
C	7.10000	-5.65000	12.01500
H	7.49100	-4.63100	12.18000
H	6.05700	-5.70300	12.38000
H	7.72800	-6.34600	12.60300
H	8.24200	-5.84000	10.20300
O	6.90500	-7.40300	10.37500
H	7.41000	-7.72500	9.58400
O	4.05200	-8.57400	2.24600
H	3.34100	-8.70400	1.56900
H	4.73300	-9.25800	1.93500
O	10.58800	-5.19800	10.81600
H	10.09000	-4.39100	10.56900
H	11.56600	-4.91600	10.74600
O	10.00000	-7.59700	9.65700
H	10.15400	-6.66800	9.99600
H	9.49600	-7.54400	8.81200

O	4.86400	-9.14100	10.22100
H	5.18300	-8.21000	10.14400
H	3.87500	-9.12900	10.37300

IM(Fe3/2)

H	7.25700	-8.20400	-1.45300
C	6.51400	-7.82900	-0.70100
H	5.50000	-8.13000	-1.02100
H	6.66600	-8.32300	0.27000
C	6.54800	-6.33400	-0.43300
O	7.55200	-5.62700	-0.73400
O	5.57300	-5.80600	0.21500
H	10.05700	-1.39800	2.55800
C	9.46400	-0.97300	3.40700
H	10.16400	-0.59500	4.17100
H	8.94400	-0.09400	2.98000
C	8.49100	-1.87100	4.10400
N	7.36600	-2.49300	3.56500
H	7.11300	-2.58100	2.56800
C	6.67600	-3.08600	4.57000
H	5.75600	-3.65100	4.41600
N	7.28500	-2.87900	5.74300
C	8.41300	-2.12800	5.45700
H	9.09900	-1.82500	6.24500
H	10.95700	-5.05700	6.66700
C	9.96100	-4.81900	7.09700
H	9.25200	-4.70500	6.25700
H	9.62700	-5.68500	7.70000
C	9.99000	-3.60000	7.96600
N	8.80500	-2.99600	8.37500
C	9.14600	-2.01900	9.22200
H	8.46100	-1.30400	9.67300
N	10.49000	-1.97900	9.37900
H	11.01400	-1.29500	9.95700
C	11.05000	-2.95800	8.58700
H	12.13000	-3.10700	8.54600
H	8.12300	-9.86600	5.98600
C	7.30500	-9.75700	6.73600
H	6.40700	-10.23900	6.33600
H	7.64600	-10.33700	7.61900
C	6.97900	-8.36100	7.21800
O	7.89800	-7.63900	7.77800
O	5.77900	-7.95900	7.13100
H	8.53300	-7.42400	2.45100
C	8.28200	-6.33100	2.54000
H	9.14200	-5.81500	3.00500
H	8.12900	-5.90300	1.53300
C	7.07100	-6.17300	3.41200
N	5.77100	-6.19900	2.93400
H	5.51000	-6.25800	1.91700
C	4.92000	-6.14100	3.97800
H	3.84000	-6.20400	3.89200
N	5.60500	-6.06200	5.13000
C	6.94700	-6.09300	4.78800
H	7.73300	-6.07300	5.54000
H	6.07300	2.76500	8.51100
C	5.31900	2.12200	8.01200
H	4.32100	2.49600	8.30300
H	5.40600	2.23300	6.91800
C	5.50300	0.69400	8.36000
N	5.05100	0.11400	9.53000
H	4.61300	0.63500	10.30300
C	5.44500	-1.17900	9.55800
H	5.19900	-1.88100	10.34900
N	6.14700	-1.45600	8.45600
C	6.19200	-0.29900	7.70500
H	6.70700	-0.26000	6.74500
H	3.05800	-1.53300	5.61000
C	3.72600	-1.98500	6.38500
H	4.71900	-1.51900	6.28800
H	3.37000	-1.71400	7.39900
C	3.89800	-3.49200	6.35300
O	3.21900	-4.30300	5.71300
O	4.84600	-3.96000	7.16000

H	-0.89300	-7.88500	5.57000
C	-0.60000	-7.65900	6.62900
H	-1.01300	-6.66300	6.87200
H	-1.07900	-8.38900	7.30600
C	0.87200	-7.65700	6.86700
N	1.57800	-8.72800	7.40100
H	1.18900	-9.64600	7.68900
C	2.87200	-8.36900	7.54800
H	3.64600	-9.00400	7.97400
N	3.05000	-7.11400	7.11100
C	1.80800	-6.65900	6.69800
H	1.69900	-5.66000	6.28800
Fe	6.76400	-3.29700	7.76200
O	6.65700	-5.45800	8.18300
H	7.26900	-6.30500	8.05900
Fe	4.82700	-6.04600	7.07300
O	2.01400	-8.65400	16.22500
C	3.23100	-8.70500	16.18200
O	3.91300	-8.83200	17.32600
H	4.92900	-8.93500	17.21400
C	4.04500	-8.66900	14.87800
N	4.61700	-10.03200	14.71200
H	5.32500	-10.19000	15.44900
H	5.14100	-10.04900	13.82100
H	4.82400	-7.88100	14.97400
C	3.14100	-8.37800	13.67300
H	2.41400	-9.20600	13.61100
H	3.75900	-8.42700	12.75400
C	2.34300	-7.05300	13.70300
H	1.40100	-7.19700	13.14600
H	2.05200	-6.81400	14.74200
C	3.07800	-5.85100	13.13800
O	4.15700	-5.42300	13.59000
N	2.45900	-5.24700	12.08100
H	1.58900	-5.67500	11.75000
C	3.00000	-4.10000	11.38200
C	2.03300	-2.88800	11.30900
O	2.42900	-1.86300	10.72300
N	0.80200	-3.06500	11.82800
C	-0.28900	-2.08800	11.78400
C	-1.12700	-2.06600	13.09000
O	-0.68300	-2.71000	14.07400
O	-2.19200	-1.37800	13.06000
H	-0.96900	-2.30100	10.93700
H	0.13500	-1.08700	11.60400
H	0.61100	-3.90500	12.39500
H	3.88700	-3.79500	11.96400
C	3.45300	-4.41600	9.92900
H	2.57900	-4.53400	9.26000
H	4.06300	-3.58900	9.52900
S	4.44900	-5.93600	9.73700
C	6.31600	-5.13700	9.65200
O	6.32800	-3.87500	9.81300
C	7.20700	-6.01000	10.55100
C	7.10000	-5.66600	12.02800
H	7.47800	-4.64400	12.20500
H	6.05700	-5.73300	12.39200
H	7.73700	-6.36100	12.60700
H	8.24400	-5.82600	10.21300
O	6.91300	-7.39800	10.36500
H	7.41700	-7.70700	9.56900
O	4.05500	-8.56300	2.24500
H	3.34300	-8.69600	1.57000
H	4.73500	-9.24900	1.93600
O	10.58800	-5.20300	10.81200
H	10.08600	-4.39600	10.57400
H	11.56500	-4.92000	10.74000
O	10.00300	-7.59900	9.64000
H	10.15400	-6.67000	9.98300
H	9.49200	-7.54300	8.80000

O	4.87900	-9.14200	10.21700
H	5.20100	-8.21300	10.13500
H	3.88900	-9.12700	10.36500

IM(Fe3/3)

H	7.32000	-8.21900	-1.52600
C	6.59200	-7.84700	-0.76000
H	5.58100	-8.20600	-1.02300
H	6.82900	-8.29200	0.21700
C	6.56500	-6.35200	-0.55700
O	7.58100	-5.61400	-0.76400
O	5.54600	-5.78700	-0.04900
H	10.04200	-1.40300	2.56000
C	9.47400	-0.95100	3.41300
H	10.18800	-0.56600	4.15900
H	8.95900	-0.06800	2.99300
C	8.49400	-1.82300	4.13200
N	7.35600	-2.43500	3.60500
H	7.09200	-2.51100	2.60900
C	6.65700	-3.00000	4.61500
H	5.73100	-3.55500	4.46800
N	7.27800	-2.79400	5.78600
C	8.41900	-2.06300	5.48600
H	9.10100	-1.73700	6.26600
H	10.93400	-5.04000	6.67700
C	9.94000	-4.78800	7.10800
H	9.23500	-4.66400	6.26600
H	9.58700	-5.64800	7.70800
C	9.96800	-3.57300	7.98400
N	8.78100	-2.96500	8.38900
C	9.11600	-1.99600	9.25000
H	8.42800	-1.29000	9.71300
N	10.45400	-1.96500	9.41800
H	10.98000	-1.28000	9.99800
C	11.02000	-2.94000	8.62200
H	12.10100	-3.08100	8.58500
H	8.14200	-9.87700	6.08100
C	7.33800	-9.73500	6.83800
H	6.44700	-10.28100	6.50800
H	7.70900	-10.21800	7.76700
C	6.94000	-8.32900	7.18900
O	7.89300	-7.47700	7.54200
O	5.74200	-7.98800	7.21000
H	8.42800	-7.59500	2.45100
C	8.08000	-6.53000	2.50800
H	8.90700	-5.93000	2.93200
H	7.88200	-6.14600	1.49300
C	6.89400	-6.40100	3.41800
N	5.58200	-6.73400	3.10800
H	5.18100	-7.28500	2.30100
C	4.81400	-6.52300	4.19600
H	3.74900	-6.75400	4.23500
N	5.55400	-6.05900	5.21400
C	6.85400	-5.99000	4.73900
H	7.68000	-5.65700	5.36400
H	6.01900	2.82900	8.51400
C	5.32300	2.17800	7.94900
H	4.29400	2.52300	8.15800
H	5.50000	2.30400	6.86800
C	5.50900	0.75200	8.29700
N	5.02500	0.17300	9.45700
H	4.58000	0.69600	10.22600
C	5.40800	-1.11900	9.49500
H	5.13600	-1.82000	10.27900
N	6.14000	-1.39900	8.40700
C	6.21100	-0.24100	7.65500
H	6.76200	-0.19400	6.71600
H	3.05400	-1.46200	5.57800
C	3.72400	-1.90700	6.35000
H	4.71400	-1.43600	6.24700
H	3.36700	-1.63600	7.36400
C	3.88500	-3.41100	6.32100
O	3.18500	-4.22800	5.72700
O	4.87000	-3.87400	7.10500

H	-0.84100	-7.90700	5.53100
C	-0.55800	-7.66700	6.59000
H	-0.96800	-6.66500	6.81200
H	-1.04700	-8.38300	7.27400
C	0.91000	-7.66700	6.84700
N	1.61100	-8.73900	7.38600
H	1.21500	-9.65200	7.68400
C	2.90000	-8.37400	7.55900
H	3.66000	-9.00200	8.01700
N	3.08200	-7.11100	7.14000
C	1.84200	-6.66000	6.70700
H	1.72900	-5.65900	6.30100
Fe	6.72000	-3.28500	7.81000
O	6.66800	-5.35500	8.22300
H	7.43000	-6.58500	7.88300
Fe	4.84000	-5.97700	7.16200
O	2.02700	-8.64300	16.23400
C	3.24500	-8.68800	16.20700
O	3.91700	-8.82600	17.35400
H	4.93200	-8.93100	17.24700
C	4.06900	-8.63400	14.91000
N	4.63800	-9.99800	14.73000
H	5.34000	-10.16900	15.46900
H	5.15900	-10.01700	13.83900
H	4.84900	-7.84800	15.01800
C	3.17000	-8.34300	13.70300
H	2.46400	-9.18800	13.64700
H	3.79200	-8.38300	12.78700
C	2.33700	-7.03900	13.71700
H	1.40600	-7.21200	13.15100
H	2.03200	-6.79900	14.75200
C	3.04100	-5.82200	13.14900
O	4.07100	-5.32300	13.64100
N	2.45100	-5.28000	12.04000
H	1.66700	-5.79200	11.62400
C	2.96700	-4.11100	11.36500
C	1.99000	-2.90400	11.30800
O	2.39100	-1.86500	10.75200
N	0.75600	-3.10000	11.81100
C	-0.33100	-2.12000	11.77300
C	-1.15300	-2.08400	13.08200
O	-0.71000	-2.72000	14.07300
O	-2.22100	-1.40000	13.07000
H	-1.01900	-2.33400	10.93300
H	0.09800	-1.12300	11.58400
H	0.55900	-3.97300	12.32700
H	3.84700	-3.79500	11.95200
C	3.40800	-4.39500	9.90900
H	2.53400	-4.59900	9.26400
H	3.94900	-3.53300	9.48900
S	4.49500	-5.85100	9.71700
C	6.30500	-5.04300	9.59400
O	6.25000	-3.73600	9.73100
C	7.21000	-5.78000	10.58500
C	7.03800	-5.37700	12.04400
H	7.39200	-4.34400	12.20800
H	5.98800	-5.46700	12.38000
H	7.66400	-6.04000	12.67100
H	8.22900	-5.50200	10.25300
O	7.03300	-7.18000	10.39700
H	7.95300	-7.51100	10.17900
O	4.18500	-8.66200	2.01200
H	3.49700	-8.76500	1.29800
H	4.85600	-9.40000	1.76700
O	10.69000	-5.34300	10.76200
H	10.17200	-4.54700	10.51800
H	11.66100	-5.02900	10.70000
O	9.60300	-7.57600	9.73500
H	10.13000	-6.79100	10.09200
H	9.46000	-7.45200	8.77200

O	4.57900	-8.98700	10.33700
H	4.69800	-8.02100	10.19600
H	3.60700	-9.11800	10.56800

P(ZnZn)			
H	7.24200	-8.19000	-1.50300
C	6.49600	-7.77300	-0.77500
H	5.47700	-8.00300	-1.14000
H	6.54700	-8.27800	0.20300
C	6.65100	-6.25900	-0.54100
O	7.69100	-5.65300	-0.86900
O	5.67400	-5.69100	0.11000
H	10.04900	-1.43000	2.56500
C	9.44900	-1.02300	3.42200
H	10.14800	-0.63100	4.18000
H	8.91100	-0.15300	2.99800
C	8.49600	-1.93600	4.13000
N	7.38100	-2.58800	3.60800
H	7.12600	-2.70600	2.61400
C	6.71000	-3.17600	4.63300
H	5.80300	-3.76200	4.48900
N	7.31800	-2.93500	5.79800
C	8.42800	-2.16600	5.48900
H	9.11200	-1.83600	6.26800
H	10.95800	-5.04700	6.63800
C	9.96500	-4.78700	7.07000
H	9.26500	-4.64900	6.22500
H	9.58200	-5.63200	7.67700
C	10.04000	-3.56500	7.93600
N	8.87800	-2.93700	8.36500
C	9.24500	-1.98100	9.22000
H	8.57500	-1.28800	9.73000
N	10.58900	-1.96200	9.34600
H	11.12600	-1.31900	9.95600
C	11.11900	-2.94700	8.54200
H	12.19300	-3.12500	8.49500
H	7.88700	-9.43300	5.68900
C	7.00400	-8.99200	6.23800
H	6.35800	-8.48100	5.50400
H	6.42400	-9.85900	6.61600
C	7.12700	-8.05400	7.44200
O	8.12400	-7.97900	8.19100
O	6.02300	-7.40600	7.71300
H	8.65200	-7.32100	2.18700
C	8.39500	-6.22900	2.30500
H	9.23600	-5.72800	2.81900
H	8.26100	-5.77200	1.30600
C	7.15700	-6.13300	3.15200
N	5.87600	-6.20800	2.63300
H	5.65300	-6.13600	1.56500
C	5.00200	-6.27300	3.65000
H	3.93000	-6.39900	3.52300
N	5.64700	-6.23700	4.82900
C	6.99800	-6.14500	4.52700
H	7.76100	-6.11900	5.30500
H	6.09300	2.71500	8.49100
C	5.36200	2.05200	7.97700
H	4.35100	2.42400	8.22400
H	5.48800	2.14900	6.88500
C	5.53000	0.62500	8.35300
N	5.05100	0.07100	9.52600
H	4.61800	0.61100	10.28800
C	5.42000	-1.23200	9.57500
H	5.20500	-1.90000	10.40200
N	6.11700	-1.54400	8.48400
C	6.19500	-0.39800	7.71800
H	6.71500	-0.38900	6.76000
H	3.13600	-1.68400	5.63600
C	3.83600	-2.13200	6.39600
H	4.81700	-1.64900	6.26900
H	3.50600	-1.86400	7.41800
C	4.02300	-3.64300	6.34600
O	3.33100	-4.41000	5.65800
O	4.96700	-4.15600	7.12900

H	-0.90400	-7.85900	5.61100
C	-0.60600	-7.62800	6.66900
H	-1.00700	-6.62700	6.90900
H	-1.08800	-8.35000	7.35200
C	0.87000	-7.64200	6.88400
N	1.57600	-8.73500	7.36700
H	1.18300	-9.64800	7.65700
C	2.88500	-8.40300	7.44900
H	3.65700	-9.07500	7.81900
N	3.07000	-7.14800	7.02700
C	1.82000	-6.66300	6.68400
H	1.71900	-5.65600	6.28900
Zn	6.85300	-3.34400	7.86900
O	6.93400	-4.88900	9.19100
H	5.20400	-5.78600	9.46800
Zn	4.80100	-6.17100	6.64600
O	1.99600	-8.87400	16.33000
C	3.21200	-8.81400	16.24300
O	3.94400	-8.99300	17.34500
H	4.96200	-8.96100	17.19800
C	3.96100	-8.59800	14.91800
N	4.54800	-9.92400	14.57700
H	5.33500	-10.11000	15.21900
H	4.97000	-9.85500	13.63700
H	4.73300	-7.81300	15.06400
C	2.99100	-8.18900	13.80400
H	2.27700	-9.02100	13.67500
H	3.56000	-8.09900	12.85700
C	2.17300	-6.89300	14.06400
H	1.18100	-7.01400	13.59800
H	2.00700	-6.76000	15.14700
C	2.82200	-5.63000	13.52700
O	3.77600	-5.05100	14.07600
N	2.28200	-5.16200	12.35800
H	1.48200	-5.67300	11.97400
C	2.84100	-4.03700	11.63100
C	1.88900	-2.83900	11.45800
O	2.31400	-1.83900	10.85400
N	0.63600	-3.01000	11.91700
C	-0.42800	-2.01600	11.86600
C	-1.24800	-1.99100	13.17700
O	-0.80200	-2.64900	14.15100
O	-2.30500	-1.28800	13.16500
H	-1.11400	-2.20400	11.01900
H	0.02000	-1.02300	11.69400
H	0.42800	-3.84400	12.48500
H	3.70000	-3.70800	12.24200
C	3.35200	-4.43500	10.22600
H	2.51800	-4.46800	9.49900
H	4.07400	-3.69700	9.84900
S	4.16500	-6.07900	10.30900
C	7.16900	-4.47300	10.40700
O	7.05800	-3.30300	10.79700
C	7.67600	-5.53600	11.38800
C	6.94100	-5.54800	12.72600
H	7.07300	-4.57100	13.22200
H	5.86500	-5.74700	12.58600
H	7.37600	-6.32400	13.38500
H	8.73300	-5.26700	11.57400
O	7.64100	-6.85100	10.78700
H	7.41300	-6.72900	9.82300
O	3.90400	-8.70300	2.15900
H	3.24200	-8.78400	1.42400
H	4.61200	-9.35400	1.84300
O	10.78300	-4.70100	11.10700
H	10.54300	-5.46100	10.50500
H	11.74800	-4.51700	10.88600
O	10.15500	-7.09900	9.94700
H	9.27800	-7.17600	10.43800
H	9.87500	-7.36700	9.04300

O	5.10000	-8.97900	9.75200
H	5.30400	-8.24200	9.11400
H	4.12400	-8.96300	9.95000

P(ZnFe2)

H	7.27300	-8.16400	-1.41000
C	6.54400	-7.76100	-0.65500
H	5.51700	-7.99600	-0.99400
H	6.64300	-8.28700	0.30800
C	6.69300	-6.25600	-0.36600
O	7.73200	-5.63900	-0.68500
O	5.72400	-5.71600	0.31300
H	10.04900	-1.43300	2.56800
C	9.44900	-1.01400	3.41600
H	10.14500	-0.61900	4.17600
H	8.91000	-0.14900	2.98500
C	8.50000	-1.93300	4.12100
N	7.40100	-2.60200	3.58700
H	7.15500	-2.71800	2.58900
C	6.72800	-3.20400	4.59900
H	5.82800	-3.80400	4.45400
N	7.32200	-2.95300	5.76700
C	8.42500	-2.17100	5.47800
H	9.09600	-1.83500	6.26700
H	10.98300	-5.13400	6.66800
C	9.97500	-4.91500	7.09700
H	9.27000	-4.80500	6.25200
H	9.63600	-5.79000	7.68700
C	9.98100	-3.69900	7.97900
N	8.78900	-3.13300	8.41800
C	9.11800	-2.15700	9.26700
H	8.41700	-1.48400	9.75900
N	10.46200	-2.06800	9.38800
H	10.97900	-1.38100	9.96700
C	11.03200	-3.02900	8.58100
H	12.11400	-3.14800	8.52100
H	8.15100	-9.88500	6.01000
C	7.33100	-9.79600	6.76000
H	6.42800	-10.24000	6.32900
H	7.66000	-10.44100	7.60200
C	7.00000	-8.44700	7.36900
O	7.91900	-7.75900	7.98100
O	5.79000	-8.07200	7.36300
H	8.57300	-7.45900	2.47100
C	8.32500	-6.36700	2.58400
H	9.18200	-5.86600	3.07200
H	8.18400	-5.91600	1.58400
C	7.10000	-6.23200	3.44400
N	5.82000	-6.17100	2.92400
H	5.61800	-6.12400	1.86700
C	4.94400	-6.16100	3.95100
H	3.86500	-6.15900	3.83400
N	5.58700	-6.20700	5.13000
C	6.93600	-6.25800	4.82000
H	7.70000	-6.32000	5.59600
H	6.05700	2.77900	8.44300
C	5.33600	2.14300	7.88700
H	4.31900	2.51000	8.11500
H	5.49500	2.27300	6.80300
C	5.50400	0.71200	8.22700
N	4.98800	0.12200	9.36400
H	4.51800	0.63100	10.12300
C	5.38400	-1.17400	9.39700
H	5.08100	-1.89100	10.15300
N	6.14700	-1.43700	8.33700
C	6.22900	-0.27700	7.60200
H	6.79000	-0.23400	6.66800
H	3.04300	-1.54700	5.60200
C	3.72600	-1.99600	6.36400
H	4.71800	-1.53300	6.24200
H	3.38900	-1.72200	7.38300
C	3.87700	-3.51200	6.32500
O	3.14700	-4.28500	5.69300
O	4.84000	-3.99100	7.09500

H	-0.93700	-7.83000	5.58600
C	-0.65200	-7.57800	6.64000
H	-1.03000	-6.56000	6.84500
H	-1.16500	-8.26700	7.33500
C	0.81800	-7.62900	6.88600
N	1.48400	-8.76200	7.32700
H	1.06500	-9.68000	7.54900
C	2.79500	-8.45800	7.47900
H	3.54400	-9.17000	7.81700
N	3.02100	-7.18400	7.14700
C	1.79100	-6.65500	6.78800
H	1.72200	-5.62600	6.44500
Zn	6.74900	-3.31000	7.75400
O	6.65800	-5.45900	8.27700
H	7.24800	-6.29200	8.17900
Fe	4.81800	-6.08500	7.07900
O	2.01400	-8.74900	16.24300
C	3.23200	-8.73700	16.17300
O	3.94100	-8.85500	17.30100
H	4.95900	-8.88800	17.17100
C	4.01400	-8.64000	14.85300
N	4.60700	-9.98900	14.63500
H	5.36400	-10.13400	15.32200
H	5.06700	-9.98200	13.71000
H	4.78100	-7.84200	14.95400
C	3.07800	-8.33200	13.67800
H	2.36100	-9.16900	13.61000
H	3.67400	-8.33900	12.74300
C	2.26900	-7.01600	13.77600
H	1.31300	-7.15300	13.24300
H	2.01300	-6.80800	14.83100
C	2.98100	-5.79700	13.21800
O	4.00100	-5.29500	13.72800
N	2.40700	-5.26800	12.10000
H	1.62000	-5.78200	11.69500
C	2.96100	-4.14500	11.37100
C	2.00400	-2.93200	11.28100
O	2.40700	-1.89900	10.71700
N	0.76300	-3.11100	11.78600
C	-0.31100	-2.12200	11.75900
C	-1.11100	-2.05700	13.08300
O	-0.64800	-2.66900	14.07900
O	-2.17600	-1.36500	13.05800
H	-1.02000	-2.33400	10.93600
H	0.12700	-1.13200	11.55000
H	0.56700	-3.96600	12.32700
H	3.84400	-3.82800	11.95000
C	3.42900	-4.52800	9.94300
H	2.56800	-4.71200	9.27200
H	4.02500	-3.71100	9.50100
S	4.48600	-6.01400	9.89200
C	6.27700	-5.08600	9.70300
O	6.17100	-3.81800	9.78200
C	7.28200	-5.73200	10.66500
C	7.07800	-5.34700	12.11700
H	7.25100	-4.26500	12.23000
H	6.05600	-5.59500	12.46000
H	7.81600	-5.87400	12.75000
H	8.26400	-5.34800	10.32300
O	7.28300	-7.17600	10.59000
H	7.28000	-7.45100	9.62900
O	3.99700	-8.66400	2.27700
H	3.32200	-8.76400	1.56000
H	4.70300	-9.31700	1.96400
O	10.57400	-4.94700	11.16300
H	10.38200	-5.76500	10.63700
H	11.52400	-4.70900	10.92000
O	9.85000	-7.52800	10.03800
H	8.97700	-7.39400	10.51800
H	9.53600	-7.63800	9.10400

O	4.90500	-9.14300	9.87600
H	5.01000	-8.39000	9.25100
H	3.92900	-9.17100	10.10600

P(Fe2Zn)

H	7.33900	-8.15700	-1.46600
C	6.62000	-7.73600	-0.71500
H	5.59000	-8.00200	-1.01400
H	6.76200	-8.21400	0.26700
C	6.75700	-6.21800	-0.50500
O	7.81500	-5.62300	-0.79800
O	5.75700	-5.63800	0.09300
H	10.08800	-1.39400	2.50600
C	9.48900	-0.96500	3.34800
H	10.18400	-0.57700	4.11100
H	8.96100	-0.09500	2.91400
C	8.52700	-1.86900	4.05200
N	7.42000	-2.53200	3.52900
H	7.17100	-2.66300	2.53500
C	6.74800	-3.11500	4.55600
H	5.84800	-3.71400	4.41500
N	7.34900	-2.85800	5.72200
C	8.45600	-2.08800	5.41100
H	9.13800	-1.75500	6.18800
H	11.01100	-5.04400	6.66100
C	10.01500	-4.80900	7.09800
H	9.29400	-4.71000	6.26600
H	9.68900	-5.66400	7.72100
C	10.06600	-3.56400	7.93300
N	8.90500	-2.86300	8.23600
C	9.25000	-1.87900	9.07000
H	8.58100	-1.13300	9.49500
N	10.57800	-1.91500	9.31000
H	11.09800	-1.26200	9.92200
C	11.12100	-2.96700	8.59900
H	12.19000	-3.17600	8.62600
H	8.12800	-9.69700	6.08800
C	7.32200	-9.53400	6.85100
H	6.41900	-10.03700	6.48500
H	7.68000	-10.08300	7.74700
C	6.97100	-8.11800	7.31200
O	7.82500	-7.38000	7.89800
O	5.74800	-7.78200	7.14700
H	8.58100	-7.41300	2.44300
C	8.34800	-6.31400	2.48800
H	9.18700	-5.80200	2.99500
H	8.26300	-5.90900	1.46200
C	7.08100	-6.13300	3.27000
N	5.83500	-6.05600	2.67600
H	5.67700	-6.00200	1.60600
C	4.90100	-6.04000	3.64500
H	3.83300	-6.05100	3.45500
N	5.47500	-6.09100	4.85600
C	6.83900	-6.15000	4.63400
H	7.55200	-6.21300	5.45800
H	6.11100	2.71000	8.52700
C	5.35700	2.04700	8.04900
H	4.36100	2.42200	8.34500
H	5.43100	2.14600	6.95300
C	5.53800	0.61800	8.41500
N	5.00400	0.02800	9.54500
H	4.52700	0.54400	10.29600
C	5.38200	-1.27500	9.57300
H	5.07100	-1.97300	10.34500
N	6.15000	-1.54700	8.51900
C	6.25900	-0.37800	7.79600
H	6.83300	-0.33700	6.87000
H	3.18200	-1.60900	5.61900
C	3.90100	-2.03500	6.37000
H	4.88600	-1.57600	6.19200
H	3.59700	-1.72600	7.38900
C	4.04000	-3.55100	6.38400
O	3.20800	-4.32900	5.89200
O	5.07600	-4.05700	7.03200

H	-1.03400	-7.90700	5.54500
C	-0.76100	-7.69600	6.61200
H	-1.17900	-6.70500	6.86400
H	-1.24100	-8.43800	7.27700
C	0.70900	-7.69200	6.84100
N	1.43000	-8.76600	7.34200
H	1.05600	-9.68400	7.63600
C	2.73400	-8.40600	7.42800
H	3.52800	-9.04200	7.81500
N	2.89100	-7.15700	6.98700
C	1.64000	-6.69700	6.63600
H	1.52000	-5.69200	6.24400
Fe	6.87800	-3.34700	7.79300
O	6.82500	-4.31200	9.62600
H	5.47300	-5.30300	9.74300
Zn	4.62400	-6.14500	6.70000
O	2.01600	-8.66900	16.19100
C	3.23400	-8.68200	16.12800
O	3.93400	-8.82700	17.25800
H	4.95300	-8.88400	17.13500
C	4.02300	-8.58700	14.81100
N	4.59600	-9.94400	14.59200
H	5.36500	-10.09500	15.26500
H	5.03900	-9.95800	13.66000
H	4.80200	-7.80200	14.91800
C	3.09700	-8.26200	13.63000
H	2.38600	-9.10200	13.54400
H	3.70300	-8.25700	12.70200
C	2.26800	-6.95400	13.73200
H	1.31100	-7.11000	13.20400
H	2.01200	-6.75300	14.78700
C	2.94300	-5.71400	13.17400
O	3.91500	-5.15200	13.71100
N	2.38800	-5.23100	12.02200
H	1.62100	-5.77400	11.61500
C	2.88400	-4.07200	11.31300
C	1.92700	-2.85900	11.31900
O	2.33200	-1.81000	10.78600
N	0.69200	-3.06000	11.81800
C	-0.38100	-2.06900	11.81300
C	-1.17500	-2.02200	13.14000
O	-0.70700	-2.64300	14.12700
O	-2.24100	-1.33000	13.12200
H	-1.09200	-2.26600	10.98800
H	0.06200	-1.07800	11.61900
H	0.49600	-3.93700	12.32500
H	3.80300	-3.77200	11.84500
C	3.22200	-4.35000	9.82300
H	2.30100	-4.46900	9.22900
H	3.75200	-3.48700	9.39300
S	4.21500	-5.84900	9.51400
C	7.67000	-4.49400	10.59100
O	8.46200	-3.62700	11.02000
C	7.67500	-5.88100	11.25800
C	7.07500	-5.78900	12.66400
H	7.61800	-5.02400	13.24800
H	6.00200	-5.52700	12.62600
H	7.17800	-6.75300	13.19800
H	8.73400	-6.18300	11.34800
O	6.95800	-6.85900	10.50800
H	7.32400	-6.92200	9.57800
O	3.98700	-8.64100	2.26700
H	3.31600	-8.77400	1.55100
H	4.72600	-9.25700	1.95100
O	10.68700	-5.25700	10.88800
H	10.05300	-4.48900	10.89500
H	11.61300	-4.87500	10.75300
O	10.05000	-7.53100	9.48700
H	10.20600	-6.63200	9.89700
H	9.31500	-7.45100	8.82200

O	4.77400	-8.97800	10.12800
H	4.87900	-8.01400	9.96400
H	3.80100	-9.11400	10.32300

P(Fe2/2)			
H	7.32900	-8.15400	-1.45400
C	6.60900	-7.73500	-0.70200
H	5.57900	-7.99300	-1.00900
H	6.74200	-8.22300	0.27600
C	6.75300	-6.21900	-0.47700
O	7.81000	-5.62400	-0.77500
O	5.76000	-5.64200	0.13600
H	10.10200	-1.39000	2.50200
C	9.50600	-0.95800	3.34400
H	10.20400	-0.56500	4.10300
H	8.97500	-0.09000	2.91000
C	8.55100	-1.86100	4.05700
N	7.43900	-2.52100	3.54200
H	7.18300	-2.65100	2.54900
C	6.77600	-3.10700	4.57200
H	5.87300	-3.70400	4.43900
N	7.38800	-2.85300	5.73300
C	8.49300	-2.08400	5.41500
H	9.18300	-1.75600	6.18700
H	11.02100	-5.04400	6.66700
C	10.03000	-4.80600	7.11100
H	9.30300	-4.70600	6.28400
H	9.70700	-5.65900	7.73700
C	10.09200	-3.56100	7.94500
N	8.93500	-2.85200	8.24700
C	9.28700	-1.87100	9.08100
H	8.62100	-1.12200	9.50700
N	10.61400	-1.91600	9.32200
H	11.13600	-1.26600	9.93500
C	11.15100	-2.97000	8.61000
H	12.21800	-3.18600	8.63500
H	8.13200	-9.72300	6.08100
C	7.32400	-9.57500	6.84200
H	6.42700	-10.08200	6.46800
H	7.68400	-10.12800	7.73500
C	6.96200	-8.16700	7.31100
O	7.80400	-7.42400	7.90900
O	5.73600	-7.83300	7.13700
H	8.58200	-7.41000	2.45400
C	8.35600	-6.31000	2.50700
H	9.20400	-5.80600	3.00800
H	8.26300	-5.89900	1.48500
C	7.10100	-6.12000	3.30700
N	5.84800	-6.03100	2.72900
H	5.68000	-5.98800	1.66000
C	4.92800	-5.99600	3.71200
H	3.85700	-5.98600	3.53900
N	5.51600	-6.04800	4.91700
C	6.87700	-6.12700	4.67400
H	7.60000	-6.20000	5.48800
H	6.10700	2.71400	8.51800
C	5.35400	2.05400	8.03500
H	4.35600	2.42900	8.32300
H	5.43700	2.15100	6.93900
C	5.53600	0.62600	8.40400
N	4.99300	0.03700	9.53000
H	4.50800	0.55100	10.27600
C	5.38600	-1.26200	9.57000
H	5.07100	-1.96000	10.34000
N	6.17100	-1.53100	8.52800
C	6.27500	-0.36500	7.79900
H	6.86000	-0.32100	6.88000
H	3.18400	-1.60800	5.62100
C	3.90900	-2.02100	6.37200
H	4.89000	-1.55700	6.18800
H	3.60500	-1.70400	7.38900
C	4.06200	-3.53300	6.41300
O	3.22600	-4.33900	5.96900
O	5.11900	-4.01700	7.03900

H	-1.03700	-7.90200	5.54100
C	-0.76700	-7.68500	6.60600
H	-1.17100	-6.68500	6.84600
H	-1.26200	-8.41200	7.27600
C	0.70100	-7.70400	6.84500
N	1.40000	-8.79800	7.33300
H	1.01100	-9.71600	7.60300
C	2.70800	-8.45600	7.44300
H	3.48700	-9.11100	7.82700
N	2.89100	-7.20100	7.02800
C	1.64800	-6.71800	6.67200
H	1.54200	-5.70400	6.29800
Fe	6.91500	-3.32200	7.80700
O	6.83400	-4.29900	9.62500
H	5.47400	-5.27900	9.72500
Fe	4.66200	-6.12800	6.80300
O	2.01900	-8.64500	16.17800
C	3.23700	-8.66600	16.11800
O	3.93400	-8.80500	17.25200
H	4.95300	-8.87200	17.13100
C	4.03100	-8.58700	14.80300
N	4.59800	-9.94900	14.59900
H	5.36400	-10.09700	15.27600
H	5.04400	-9.97300	13.66900
H	4.81400	-7.80500	14.90600
C	3.11000	-8.26800	13.61600
H	2.39700	-9.10700	13.53400
H	3.72000	-8.27400	12.69100
C	2.28300	-6.95900	13.70200
H	1.32900	-7.11800	13.17100
H	2.02200	-6.74900	14.75400
C	2.96000	-5.72200	13.13800
O	3.92800	-5.15400	13.67700
N	2.41100	-5.24800	11.97900
H	1.65100	-5.79800	11.56800
C	2.89600	-4.08200	11.27500
C	1.93900	-2.86800	11.30100
O	2.34300	-1.81300	10.78100
N	0.70500	-3.07500	11.80100
C	-0.37000	-2.08400	11.80000
C	-1.16300	-2.03400	13.12800
O	-0.69500	-2.65000	14.11700
O	-2.22900	-1.34200	13.10700
H	-1.08100	-2.28200	10.97600
H	0.07300	-1.09300	11.60500
H	0.50800	-3.95700	12.30000
H	3.82200	-3.78400	11.79700
C	3.21400	-4.34300	9.77800
H	2.28900	-4.47900	9.19400
H	3.72300	-3.46700	9.35000
S	4.22800	-5.82200	9.43200
C	7.67900	-4.49100	10.59000
O	8.47100	-3.63000	11.02500
C	7.67900	-5.88400	11.24500
C	7.10900	-5.79400	12.66500
H	7.67600	-5.04400	13.24400
H	6.04000	-5.51500	12.65000
H	7.20600	-6.76600	13.18600
H	8.73500	-6.19900	11.31200
O	6.93400	-6.84600	10.50400
H	7.29500	-6.92700	9.57300
O	4.00400	-8.62000	2.28300
H	3.32400	-8.75600	1.57700
H	4.73200	-9.24700	1.96500
O	10.69200	-5.26900	10.88700
H	10.06100	-4.49800	10.89600
H	11.61900	-4.88700	10.75600
O	10.04600	-7.54100	9.48300
H	10.20600	-6.64100	9.89000
H	9.30500	-7.46300	8.82300

O	4.73500	-8.96000	10.12600
H	4.81600	-7.99600	9.94900
H	3.76500	-9.11600	10.32600

P(ZnCo)			
H	7.23300	-8.17500	-1.39100
C	6.49500	-7.78000	-0.64300
H	5.47300	-8.01900	-0.99300
H	6.58500	-8.30200	0.32300
C	6.63700	-6.27300	-0.36200
O	7.66200	-5.64400	-0.70700
O	5.67900	-5.74100	0.34000
H	10.02000	-1.44300	2.58000
C	9.41400	-1.02900	3.42700
H	10.10600	-0.63300	4.19100
H	8.87700	-0.16400	2.99400
C	8.45900	-1.94900	4.12400
N	7.36400	-2.61500	3.57800
H	7.13000	-2.73300	2.57800
C	6.67800	-3.21500	4.58300
H	5.77700	-3.81100	4.42800
N	7.26100	-2.96700	5.75700
C	8.36900	-2.18700	5.48000
H	9.03300	-1.85200	6.27600
H	10.95900	-5.14100	6.66500
C	9.94700	-4.92300	7.08500
H	9.25100	-4.81100	6.23300
H	9.60100	-5.79800	7.67000
C	9.94000	-3.70700	7.96800
N	8.74100	-3.15000	8.40200
C	9.06200	-2.17100	9.25100
H	8.35300	-1.50400	9.74100
N	10.40500	-2.07000	9.37600
H	10.91800	-1.37600	9.95100
C	10.98400	-3.02900	8.57300
H	12.06800	-3.13900	8.51700
H	8.13300	-9.90200	5.98900
C	7.31400	-9.82400	6.73800
H	6.41700	-10.28000	6.30700
H	7.65100	-10.46000	7.58400
C	6.97200	-8.47000	7.32900
O	7.88500	-7.78000	7.95100
O	5.76400	-8.09800	7.29700
H	8.56200	-7.45900	2.46100
C	8.31100	-6.36700	2.57800
H	9.17000	-5.86400	3.05900
H	8.15800	-5.91600	1.58000
C	7.09400	-6.23800	3.45100
N	5.80700	-6.21200	2.94800
H	5.59000	-6.17000	1.89300
C	4.94300	-6.21200	3.98600
H	3.86200	-6.23700	3.88200
N	5.60400	-6.22600	5.15600
C	6.94900	-6.24800	4.83000
H	7.72400	-6.28900	5.59600
H	6.06600	2.77200	8.43700
C	5.34600	2.13900	7.87800
H	4.33000	2.51100	8.09900
H	5.51200	2.26600	6.79500
C	5.50100	0.70600	8.21800
N	4.98400	0.12300	9.35800
H	4.52700	0.63900	10.12100
C	5.35500	-1.18000	9.38300
H	5.04300	-1.89500	10.13800
N	6.10400	-1.45400	8.31600
C	6.20200	-0.29300	7.58400
H	6.75400	-0.25800	6.64400
H	3.01000	-1.54800	5.59500
C	3.67700	-2.00900	6.35900
H	4.67400	-1.55500	6.25000
H	3.33500	-1.74400	7.37900
C	3.81700	-3.52500	6.29200
O	3.12500	-4.28000	5.60000
O	4.73300	-4.02100	7.11000

H	-0.94300	-7.83800	5.58300
C	-0.64900	-7.58400	6.63500
H	-1.03800	-6.57200	6.84500
H	-1.14900	-8.28200	7.33100
C	0.82400	-7.61500	6.87600
N	1.50600	-8.73900	7.31900
H	1.09700	-9.66100	7.54000
C	2.81300	-8.41700	7.47600
H	3.57100	-9.12000	7.81000
N	3.02300	-7.14000	7.14400
C	1.78700	-6.62900	6.78000
H	1.70700	-5.60300	6.43000
Zn	6.68300	-3.33700	7.73400
O	6.60800	-5.49700	8.23700
H	7.21200	-6.32100	8.14100
Co	4.79300	-6.08200	7.04500
O	2.00900	-8.75800	16.25200
C	3.22600	-8.74400	16.17900
O	3.93700	-8.85500	17.30600
H	4.95600	-8.88800	17.17400
C	4.00600	-8.65000	14.85800
N	4.60400	-9.99700	14.64400
H	5.36000	-10.13900	15.33200
H	5.06500	-9.99000	13.71900
H	4.77000	-7.84800	14.95400
C	3.06700	-8.35000	13.68300
H	2.34900	-9.18600	13.62300
H	3.66000	-8.36400	12.74700
C	2.26100	-7.03200	13.77500
H	1.30500	-7.16800	13.24100
H	2.00400	-6.82000	14.82800
C	2.97800	-5.81700	13.21300
O	4.00900	-5.32800	13.71000
N	2.39400	-5.27700	12.10500
H	1.59500	-5.78000	11.71000
C	2.95100	-4.15700	11.37300
C	1.99900	-2.93900	11.28700
O	2.40600	-1.90700	10.72400
N	0.75800	-3.11400	11.79200
C	-0.31300	-2.12100	11.76500
C	-1.11600	-2.05800	13.08800
O	-0.65600	-2.67400	14.08300
O	-2.17900	-1.36400	13.06200
H	-1.01900	-2.32800	10.93900
H	0.12900	-1.13200	11.56000
H	0.56000	-3.96700	12.33400
H	3.83900	-3.84500	11.94800
C	3.40800	-4.54300	9.94400
H	2.54100	-4.72800	9.28000
H	4.00000	-3.72900	9.49200
S	4.46600	-6.02700	9.88800
C	6.24300	-5.11500	9.66700
O	6.14200	-3.84400	9.74200
C	7.26700	-5.75100	10.61500
C	7.08200	-5.35700	12.06800
H	7.24600	-4.27300	12.17000
H	6.06800	-5.61200	12.42700
H	7.83600	-5.87200	12.69300
H	8.24200	-5.36400	10.25600
O	7.27300	-7.19500	10.55200
H	7.27600	-7.47800	9.59100
O	3.98400	-8.67400	2.27200
H	3.31200	-8.76600	1.55200
H	4.68300	-9.33700	1.96300
O	10.56400	-4.95300	11.15200
H	10.37000	-5.76900	10.62400
H	11.51500	-4.71700	10.91100
O	9.84300	-7.53900	10.01400
H	8.96500	-7.40500	10.48700
H	9.53800	-7.65100	9.07800

O	4.88900	-9.14900	9.88200
H	4.98500	-8.37700	9.27800
H	3.91300	-9.18700	10.10900

P(CoZn)			
H	7.31000	-8.16000	-1.45100
C	6.58300	-7.74300	-0.70800
H	5.55600	-8.01500	-1.01600
H	6.71600	-8.21100	0.27900
C	6.71600	-6.22200	-0.51900
O	7.76700	-5.62400	-0.83100
O	5.72200	-5.64000	0.08800
H	10.09400	-1.39200	2.48900
C	9.49300	-0.96100	3.32800
H	10.18700	-0.56100	4.08600
H	8.95500	-0.09900	2.89100
C	8.54500	-1.87200	4.04100
N	7.44000	-2.54900	3.52900
H	7.18100	-2.68000	2.53700
C	6.78900	-3.14500	4.56100
H	5.89000	-3.75000	4.43300
N	7.40400	-2.88300	5.71900
C	8.49500	-2.09600	5.39800
H	9.18300	-1.75700	6.16800
H	10.98700	-5.03000	6.66100
C	9.99000	-4.78900	7.09400
H	9.27300	-4.69600	6.25900
H	9.66000	-5.63900	7.72100
C	10.04100	-3.54000	7.92500
N	8.88300	-2.82800	8.22000
C	9.23000	-1.85400	9.06300
H	8.56400	-1.10400	9.48500
N	10.55500	-1.90300	9.31500
H	11.07700	-1.25100	9.92700
C	11.09500	-2.95700	8.60500
H	12.16200	-3.17800	8.64200
H	8.11500	-9.71300	6.07100
C	7.30700	-9.55400	6.82900
H	6.40300	-10.05000	6.45800
H	7.66000	-10.10900	7.72400
C	6.97100	-8.13700	7.29500
O	7.83500	-7.41100	7.88200
O	5.75000	-7.78800	7.13600
H	8.57200	-7.43000	2.42800
C	8.33500	-6.33100	2.47200
H	9.17500	-5.81500	2.97400
H	8.24400	-5.92900	1.44600
C	7.07100	-6.14700	3.26100
N	5.82500	-6.04600	2.67200
H	5.66000	-5.99100	1.60200
C	4.89500	-6.02100	3.64600
H	3.82700	-6.00800	3.46000
N	5.47200	-6.08900	4.85400
C	6.83500	-6.17000	4.62600
H	7.54900	-6.24900	5.44600
H	6.12200	2.70100	8.53300
C	5.36900	2.03400	8.05900
H	4.37300	2.39400	8.37200
H	5.42700	2.14500	6.96200
C	5.57300	0.60300	8.40500
N	5.05100	-0.01200	9.52700
H	4.55500	0.48000	10.28000
C	5.45600	-1.30900	9.53600
H	5.16300	-2.02700	10.29700
N	6.22900	-1.55000	8.47900
C	6.31000	-0.37100	7.76900
H	6.88000	-0.30600	6.84200
H	3.19500	-1.61700	5.62900
C	3.91700	-2.03400	6.38100
H	4.89900	-1.57200	6.19900
H	3.61300	-1.72100	7.39900
C	4.06000	-3.55000	6.40200
O	3.22700	-4.33200	5.91300
O	5.09500	-4.05300	7.05100

H	-1.06000	-7.92500	5.52700
C	-0.77700	-7.71400	6.59300
H	-1.19700	-6.72500	6.84900
H	-1.25100	-8.45800	7.25800
C	0.69600	-7.70600	6.81500
N	1.41700	-8.77700	7.32300
H	1.04200	-9.69400	7.61800
C	2.72000	-8.41700	7.40900
H	3.51300	-9.05200	7.80200
N	2.87900	-7.17200	6.96000
C	1.62900	-6.71300	6.60600
H	1.51100	-5.70800	6.21200
Co	6.90200	-3.31100	7.71800
O	6.82400	-4.37700	9.49000
H	5.47500	-5.31700	9.64400
Zn	4.61700	-6.15000	6.70100
O	2.01800	-8.66800	16.18900
C	3.23600	-8.67900	16.12400
O	3.93700	-8.82100	17.25400
H	4.95600	-8.87800	17.13100
C	4.02400	-8.58800	14.80700
N	4.59400	-9.94700	14.59100
H	5.36300	-10.09700	15.26400
H	5.03700	-9.96400	13.65900
H	4.80500	-7.80500	14.91200
C	3.09700	-8.26300	13.62700
H	2.38500	-9.10300	13.54200
H	3.70200	-8.26100	12.69800
C	2.26900	-6.95500	13.72600
H	1.31300	-7.11100	13.19600
H	2.01100	-6.75400	14.78100
C	2.94400	-5.71400	13.17000
O	3.91000	-5.14800	13.71200
N	2.39400	-5.23500	12.01300
H	1.63000	-5.78000	11.60300
C	2.89300	-4.07500	11.30600
C	1.94000	-2.85900	11.31400
O	2.34900	-1.81200	10.78000
N	0.70500	-3.05700	11.81400
C	-0.36800	-2.06600	11.81000
C	-1.16800	-2.02400	13.13300
O	-0.70300	-2.64600	14.12100
O	-2.23500	-1.33400	13.11300
H	-1.07500	-2.26000	10.98100
H	0.07500	-1.07400	11.62100
H	0.50800	-3.93500	12.31900
H	3.81400	-3.78000	11.83800
C	3.22600	-4.35000	9.81400
H	2.30200	-4.45100	9.22100
H	3.76600	-3.49100	9.38900
S	4.19900	-5.85900	9.49500
C	7.61900	-4.49600	10.50700
O	8.35600	-3.59600	10.96100
C	7.63800	-5.87200	11.20300
C	7.03600	-5.76400	12.60700
H	7.57400	-4.98900	13.18100
H	5.96100	-5.50900	12.56500
H	7.14200	-6.72100	13.15200
H	8.70200	-6.15300	11.30300
O	6.94300	-6.87600	10.47000
H	7.30800	-6.94000	9.53900
O	3.97700	-8.63300	2.26300
H	3.30200	-8.76400	1.55000
H	4.70700	-9.26000	1.94900
O	10.64600	-5.21600	10.89200
H	10.01900	-4.44600	10.87300
H	11.57800	-4.84400	10.76400
O	10.05000	-7.51700	9.49300
H	10.18600	-6.61400	9.89900
H	9.32000	-7.45200	8.82100

O	4.75600	-8.98200	10.13200
H	4.86700	-8.01600	9.98200
H	3.78200	-9.11800	10.32300

P(CoCo)			
H	7.30700	-8.16200	-1.44600
C	6.58200	-7.74700	-0.70000
H	5.55500	-8.01500	-1.00800
H	6.71600	-8.22300	0.28400
C	6.72000	-6.22900	-0.49900
O	7.76900	-5.63000	-0.81400
O	5.73000	-5.65000	0.11900
H	10.09000	-1.39500	2.49200
C	9.48800	-0.96500	3.33000
H	10.18200	-0.56100	4.08700
H	8.94600	-0.10700	2.89200
C	8.54500	-1.87800	4.04700
N	7.44000	-2.55800	3.53900
H	7.18000	-2.69100	2.54700
C	6.79200	-3.15200	4.57300
H	5.89400	-3.75900	4.44800
N	7.40800	-2.88600	5.73000
C	8.49800	-2.10000	5.40500
H	9.18700	-1.75800	6.17200
H	10.99400	-5.03500	6.66500
C	10.00100	-4.79200	7.10300
H	9.27800	-4.70000	6.27100
H	9.67200	-5.63900	7.73500
C	10.05800	-3.54100	7.92900
N	8.90100	-2.83200	8.23300
C	9.25000	-1.85700	9.07600
H	8.58400	-1.10900	9.50200
N	10.57600	-1.90300	9.31700
H	11.09900	-1.25100	9.92800
C	11.11500	-2.95500	8.60200
H	12.18100	-3.17600	8.63500
H	8.09100	-9.69500	6.08200
C	7.28100	-9.51900	6.83500
H	6.36700	-9.99000	6.45500
H	7.61400	-10.09000	7.72800
C	6.97600	-8.10100	7.31800
O	7.85700	-7.39100	7.89800
O	5.75600	-7.73100	7.19000
H	8.56300	-7.42500	2.44400
C	8.32100	-6.32800	2.49700
H	9.16200	-5.81300	2.99900
H	8.22500	-5.91900	1.47400
C	7.06000	-6.15200	3.29300
N	5.81200	-6.05400	2.70800
H	5.64900	-6.00500	1.63900
C	4.88400	-6.02800	3.68500
H	3.81500	-6.01900	3.50300
N	5.46400	-6.09800	4.89300
C	6.82700	-6.17800	4.65900
H	7.54500	-6.25300	5.47700
H	6.12100	2.70000	8.53500
C	5.36700	2.03300	8.06200
H	4.37200	2.39300	8.37700
H	5.42400	2.14400	6.96500
C	5.57100	0.60200	8.40800
N	5.04400	-0.01700	9.52500
H	4.54500	0.47400	10.27700
C	5.45000	-1.31300	9.53600
H	5.15100	-2.03400	10.29100
N	6.23000	-1.55000	8.48200
C	6.31300	-0.37100	7.77400
H	6.88800	-0.30400	6.85100
H	3.19700	-1.62900	5.62700
C	3.91900	-2.04200	6.37900
H	4.89700	-1.56600	6.20400
H	3.60800	-1.73400	7.39700
C	4.09200	-3.55200	6.40600
O	3.29200	-4.36700	5.91000
O	5.11800	-4.03300	7.08100

H	-1.05200	-7.92600	5.51900
C	-0.76600	-7.71500	6.58300
H	-1.18800	-6.72600	6.84000
H	-1.23600	-8.46000	7.25000
C	0.70700	-7.70000	6.80600
N	1.43100	-8.76600	7.31900
H	1.05900	-9.68600	7.60900
C	2.73000	-8.39200	7.42700
H	3.52300	-9.02200	7.82800
N	2.88500	-7.14300	6.98400
C	1.63500	-6.69800	6.61100
H	1.51300	-5.69400	6.21600
Co	6.93000	-3.30300	7.73700
O	6.81000	-4.32900	9.54500
H	5.49200	-5.32200	9.63700
Co	4.63400	-6.11000	6.75400
O	2.01800	-8.65900	16.18100
C	3.23600	-8.67500	16.11900
O	3.93500	-8.81500	17.25100
H	4.95400	-8.87600	17.12800
C	4.02700	-8.58900	14.80200
N	4.59800	-9.94900	14.59200
H	5.36600	-10.09800	15.26700
H	5.04200	-9.96900	13.66100
H	4.80900	-7.80600	14.90600
C	3.10300	-8.27000	13.62000
H	2.38900	-9.10800	13.53900
H	3.70900	-8.27400	12.69100
C	2.27700	-6.96000	13.71100
H	1.32200	-7.11700	13.18000
H	2.01900	-6.75100	14.76400
C	2.95300	-5.72200	13.14600
O	3.89600	-5.13100	13.70400
N	2.43300	-5.27700	11.96300
H	1.69000	-5.84100	11.54000
C	2.92400	-4.11600	11.25200
C	1.97300	-2.89400	11.28400
O	2.38400	-1.83800	10.77100
N	0.73800	-3.09600	11.78300
C	-0.33500	-2.10300	11.78100
C	-1.13400	-2.04800	13.10700
O	-0.66800	-2.66000	14.10000
O	-2.20100	-1.35800	13.08100
H	-1.04500	-2.30100	10.95600
H	0.10900	-1.11300	11.58500
H	0.53600	-3.98100	12.27400
H	3.85300	-3.82100	11.77000
C	3.23400	-4.38300	9.75400
H	2.30300	-4.50200	9.17600
H	3.75200	-3.51200	9.32700
S	4.23100	-5.87100	9.39700
C	7.62600	-4.46700	10.54200
O	8.38400	-3.57600	10.98300
C	7.65000	-5.84500	11.23200
C	7.04700	-5.74500	12.63600
H	7.58400	-4.97300	13.21500
H	5.97300	-5.49000	12.59400
H	7.15400	-6.70500	13.17500
H	8.71400	-6.12600	11.33100
O	6.95400	-6.84700	10.49700
H	7.32700	-6.91700	9.57000
O	3.97600	-8.63100	2.25300
H	3.30100	-8.76800	1.54100
H	4.70500	-9.26100	1.94500
O	10.65300	-5.20300	10.90200
H	10.02400	-4.43300	10.89200
H	11.58400	-4.83200	10.77000
O	10.05500	-7.50700	9.52400
H	10.19100	-6.60100	9.92400
H	9.33600	-7.44300	8.84000

O	4.72500	-8.97800	10.13200
H	4.79800	-8.01500	9.94100
H	3.75700	-9.13700	10.33400

P(ZnFe3)

H	7.29200	-8.21700	-1.49800
C	6.55400	-7.83400	-0.74800
H	5.53900	-8.15800	-1.04400
H	6.73100	-8.29900	0.23200
C	6.57100	-6.33100	-0.53000
O	7.57200	-5.62700	-0.84200
O	5.58400	-5.79000	0.08800
H	10.12100	-1.38300	2.51000
C	9.53800	-0.94400	3.35800
H	10.24500	-0.55900	4.11000
H	9.01100	-0.07200	2.93000
C	8.58000	-1.83500	4.08200
N	7.43900	-2.46100	3.58700
H	7.16000	-2.56600	2.59800
C	6.78200	-3.03700	4.62600
H	5.86100	-3.60400	4.50300
N	7.42900	-2.81800	5.77500
C	8.54700	-2.07500	5.43900
H	9.26200	-1.77200	6.19700
H	11.03200	-5.03600	6.63500
C	10.05600	-4.76700	7.08300
H	9.33200	-4.63900	6.25700
H	9.68800	-5.59900	7.70800
C	10.16200	-3.53300	7.92500
N	9.02200	-2.82100	8.26900
C	9.40000	-1.85700	9.11200
H	8.75300	-1.10600	9.56400
N	10.73000	-1.91900	9.31600
H	11.26700	-1.28300	9.93300
C	11.24100	-2.96500	8.57500
H	12.30600	-3.19400	8.57500
H	8.08600	-9.70600	6.02000
C	7.28500	-9.50600	6.77200
H	6.38100	-10.04500	6.46600
H	7.64300	-9.97000	7.71500
C	6.95800	-8.05100	7.07800
O	7.82400	-7.18200	7.31000
O	5.67800	-7.78900	7.12300
H	8.51700	-7.39900	2.40500
C	8.25000	-6.30600	2.44800
H	9.08700	-5.76900	2.93200
H	8.13400	-5.91000	1.42300
C	7.00300	-6.14100	3.26900
N	5.71800	-6.24200	2.75800
H	5.48300	-6.30600	1.73600
C	4.83900	-6.19300	3.77500
H	3.76900	-6.33500	3.65700
N	5.48800	-6.04900	4.94200
C	6.84100	-6.02000	4.63500
H	7.59900	-5.95000	5.41300
H	6.11200	2.73200	8.58500
C	5.33500	2.06800	8.14700
H	4.35600	2.43700	8.50000
H	5.35100	2.16400	7.04800
C	5.55300	0.64200	8.50500
N	5.12500	0.04800	9.67700
H	4.67700	0.55900	10.45000
C	5.54300	-1.24000	9.69400
H	5.32700	-1.93900	10.49800
N	6.23200	-1.50000	8.58200
C	6.25000	-0.33900	7.83900
H	6.75700	-0.28700	6.87500
H	3.24500	-1.65500	5.65000
C	3.96900	-2.06400	6.41400
H	4.94400	-1.58500	6.24300
H	3.64800	-1.74300	7.42500
C	4.15800	-3.56700	6.48700
O	3.32500	-4.40600	6.07500
O	5.22000	-4.04100	7.10100

H	-1.00200	-7.92600	5.52100
C	-0.73100	-7.71300	6.58800
H	-1.15000	-6.72200	6.84000
H	-1.21000	-8.45400	7.25300
C	0.73700	-7.70900	6.82700
N	1.45100	-8.77300	7.36400
H	1.06800	-9.67800	7.69100
C	2.74800	-8.41400	7.47300
H	3.52700	-9.02800	7.91800
N	2.91400	-7.16800	7.00700
C	1.66800	-6.71500	6.62000
H	1.54900	-5.71700	6.21100
Zn	7.03600	-3.21200	7.86700
O	6.85400	-4.39300	9.59400
H	5.68100	-5.22300	9.64300
Fe	4.67400	-6.11800	6.86400
O	1.99400	-8.66400	16.24900
C	3.21200	-8.68000	16.19500
O	3.90600	-8.85700	17.32300
H	4.92300	-8.93000	17.20200
C	4.00800	-8.55500	14.88400
N	4.58900	-9.90400	14.63700
H	5.33300	-10.07900	15.33300
H	5.06400	-9.88600	13.72100
H	4.78200	-7.76800	15.00900
C	3.07800	-8.22000	13.71000
H	2.37200	-9.06500	13.63700
H	3.67500	-8.21900	12.77700
C	2.23700	-6.92000	13.80800
H	1.29000	-7.08900	13.26700
H	1.97300	-6.71900	14.86000
C	2.89700	-5.67000	13.25000
O	3.75700	-5.01000	13.86000
N	2.46700	-5.30100	12.00300
H	1.78000	-5.90700	11.54300
C	2.95100	-4.13000	11.30300
C	1.98500	-2.91000	11.31200
O	2.40400	-1.85200	10.80700
N	0.74400	-3.11800	11.79000
C	-0.33400	-2.12500	11.77800
C	-1.14600	-2.06800	13.09900
O	-0.69000	-2.68800	14.09100
O	-2.20800	-1.37500	13.06600
H	-1.03600	-2.33000	10.94900
H	0.11000	-1.13500	11.58200
H	0.53300	-4.00800	12.26800
H	3.86300	-3.81100	11.83800
C	3.29000	-4.38700	9.80900
H	2.36500	-4.54000	9.22400
H	3.78100	-3.49200	9.39800
S	4.35700	-5.84200	9.46900
C	7.66400	-4.50300	10.62700
O	8.48600	-3.63800	10.95800
C	7.56300	-5.79300	11.47000
C	6.68200	-5.60100	12.70300
H	7.11700	-4.84200	13.37600
H	5.65200	-5.31700	12.42500
H	6.63200	-6.55300	13.26300
H	8.59500	-5.99500	11.81500
O	7.07400	-6.88900	10.71000
H	7.84900	-7.14000	10.11700
O	3.99800	-8.62400	2.20700
H	3.30700	-8.77000	1.51100
H	4.71600	-9.27100	1.90000
O	10.62300	-5.36300	10.72600
H	10.02500	-4.56600	10.77900
H	11.56400	-5.00600	10.62900
O	9.37000	-7.39400	9.45300
H	9.94600	-6.64000	9.79800
H	9.04500	-7.22600	8.52600

O	4.41900	-8.91600	10.28700
H	4.42800	-7.93900	10.13700
H	3.47100	-9.13000	10.55400

P(Fe3Zn)

H	7.25900	-8.20000	-1.50500
C	6.50900	-7.80200	-0.77500
H	5.49500	-8.09200	-1.10600
H	6.62200	-8.27100	0.21400
C	6.57100	-6.29600	-0.56800
O	7.60300	-5.63200	-0.86100
O	5.58000	-5.72300	0.02100
H	10.03000	-1.40500	2.54600
C	9.45500	-0.97100	3.40500
H	10.16600	-0.56400	4.14200
H	8.91600	-0.10300	2.98300
C	8.49800	-1.85200	4.14900
N	7.40000	-2.55200	3.65400
H	7.14800	-2.70400	2.66500
C	6.71800	-3.08900	4.69800
H	5.82900	-3.70700	4.57700
N	7.31000	-2.76400	5.85600
C	8.41500	-1.99600	5.51700
H	9.07500	-1.58900	6.27500
H	10.91700	-4.99000	6.59700
C	9.90900	-4.72700	6.98900
H	9.23600	-4.58600	6.12400
H	9.51200	-5.57700	7.57300
C	9.94500	-3.51500	7.87600
N	8.77700	-2.88000	8.31300
C	9.13300	-1.96600	9.22700
H	8.46500	-1.28000	9.74300
N	10.47300	-1.97600	9.38300
H	11.01100	-1.33300	9.99600
C	11.00800	-2.92200	8.53600
H	12.08300	-3.09900	8.49400
H	8.09000	-9.83600	5.78700
C	7.23700	-9.78400	6.50300
H	6.34900	-10.15200	5.98200
H	7.50600	-10.51700	7.29100
C	6.97500	-8.46800	7.22900
O	7.85000	-8.04900	8.04300
O	5.82700	-7.91600	7.06400
H	8.62000	-7.36000	2.28300
C	8.38200	-6.26500	2.36300
H	9.23000	-5.76200	2.86100
H	8.26300	-5.83700	1.35100
C	7.14200	-6.11200	3.19100
N	5.86500	-6.09200	2.65600
H	5.63200	-6.07900	1.62300
C	4.97200	-6.09400	3.66200
H	3.89800	-6.14800	3.52200
N	5.60800	-6.10000	4.83900
C	6.96400	-6.11800	4.56300
H	7.70700	-6.16000	5.35900
H	6.04100	2.78100	8.52800
C	5.35500	2.10700	7.97200
H	4.32100	2.40600	8.22100
H	5.49200	2.26500	6.89000
C	5.59300	0.67200	8.26500
N	5.10700	0.02000	9.38300
H	4.62100	0.48700	10.16200
C	5.50900	-1.26900	9.35200
H	5.25100	-2.02200	10.09200
N	6.25500	-1.47200	8.25200
C	6.31800	-0.27200	7.57100
H	6.86800	-0.16800	6.63800
H	3.15400	-1.62300	5.65800
C	3.85800	-2.05000	6.42800
H	4.82600	-1.54400	6.30200
H	3.50300	-1.78000	7.44300
C	4.07700	-3.55400	6.41100
O	3.37800	-4.36200	5.78900
O	5.05900	-4.05100	7.17500

H	-0.89400	-7.83600	5.65400
C	-0.61300	-7.60200	6.71700
H	-1.03900	-6.61100	6.95600
H	-1.09200	-8.33800	7.38600
C	0.85900	-7.58900	6.96600
N	1.56600	-8.64900	7.52400
H	1.18300	-9.56600	7.81300
C	2.86400	-8.29200	7.63900
H	3.64000	-8.92700	8.05700
N	3.04300	-7.04800	7.17500
C	1.79800	-6.60200	6.76400
H	1.68900	-5.61200	6.33400
Fe	6.87100	-3.25200	7.80100
O	7.34600	-5.36000	8.36900
H	4.95300	-5.97800	9.02900
Zn	4.79200	-6.19900	6.64700
O	2.00700	-8.75100	16.37700
C	3.22300	-8.72000	16.28400
O	3.95900	-8.88400	17.38600
H	4.97400	-8.90800	17.22700
C	3.96800	-8.55000	14.95100
N	4.55400	-9.88200	14.63700
H	5.30800	-10.07300	15.31800
H	5.03400	-9.80000	13.72300
H	4.74000	-7.75900	15.06800
C	2.98400	-8.17600	13.83800
H	2.24500	-8.99500	13.79400
H	3.52300	-8.17200	12.87000
C	2.20600	-6.84600	14.02800
H	1.20300	-6.96400	13.58600
H	2.05700	-6.64500	15.10300
C	2.87300	-5.63000	13.40700
O	3.85000	-5.04300	13.91000
N	2.31700	-5.21300	12.23300
H	1.58200	-5.79800	11.81800
C	2.83400	-4.11400	11.44100
C	1.88400	-2.90700	11.30100
O	2.31200	-1.90900	10.68900
N	0.65600	-3.05400	11.82600
C	-0.40400	-2.04900	11.81400
C	-1.18700	-2.00700	13.14900
O	-0.69200	-2.62000	14.13000
O	-2.26200	-1.33200	13.14300
H	-1.11600	-2.23500	10.98900
H	0.04900	-1.06200	11.62600
H	0.45300	-3.90400	12.37400
H	3.72700	-3.75200	11.98000
C	3.25600	-4.59000	10.03800
H	2.39900	-4.94900	9.44200
H	3.75900	-3.77300	9.49900
S	4.45000	-5.94900	10.28800
C	7.17500	-5.01600	9.58900
O	6.74000	-3.82800	9.81800
C	7.59900	-5.99500	10.68500
C	7.31600	-5.56100	12.11600
H	7.83300	-4.60700	12.32900
H	6.23500	-5.43800	12.30100
H	7.71200	-6.33000	12.80700
H	8.69400	-6.08300	10.56300
O	7.01300	-7.26800	10.41000
H	7.25900	-7.50900	9.45000
O	3.97500	-8.57600	2.24100
H	3.26800	-8.69200	1.55800
H	4.65900	-9.24800	1.91300
O	10.67900	-5.09000	10.74800
H	10.19600	-4.24100	10.84500
H	11.65300	-4.80800	10.66700
O	10.20800	-7.48200	9.34600
H	10.27100	-6.55300	9.69000
H	9.42200	-7.53200	8.74300

O	4.24900	-9.03200	10.32100
H	4.23600	-8.04400	10.20300
H	3.30400	-9.23700	10.59200

P(Fe2/3)			
H	7.29500	-8.21200	-1.49900
C	6.55700	-7.82600	-0.75100
H	5.54200	-8.14900	-1.04600
H	6.73200	-8.28700	0.23100
C	6.57700	-6.32100	-0.54100
O	7.58200	-5.62300	-0.85300
O	5.58600	-5.77500	0.06900
H	10.11100	-1.38000	2.51400
C	9.52500	-0.94200	3.36000
H	10.23000	-0.55600	4.11400
H	8.99800	-0.07000	2.93100
C	8.56600	-1.83500	4.08100
N	7.42800	-2.46200	3.57900
H	7.15300	-2.56500	2.58900
C	6.76900	-3.04300	4.61300
H	5.85000	-3.61200	4.48400
N	7.41100	-2.82600	5.76600
C	8.52800	-2.07800	5.43600
H	9.24000	-1.77300	6.19800
H	11.01700	-5.01700	6.64700
C	10.03500	-4.75100	7.08900
H	9.31900	-4.62800	6.25600
H	9.67000	-5.58700	7.70900
C	10.12100	-3.51600	7.93200
N	8.96900	-2.80800	8.25600
C	9.33200	-1.83400	9.09600
H	8.67500	-1.08400	9.53200
N	10.65900	-1.88700	9.31800
H	11.18600	-1.24700	9.93800
C	11.18700	-2.93400	8.59100
H	12.25500	-3.15100	8.60200
H	8.09200	-9.69200	6.02300
C	7.29200	-9.49600	6.77600
H	6.39500	-10.05100	6.47600
H	7.66000	-9.94700	7.72200
C	6.94300	-8.04300	7.06600
O	7.79500	-7.16200	7.30900
O	5.66200	-7.79700	7.08500
H	8.52100	-7.39300	2.40000
C	8.25700	-6.29900	2.43600
H	9.09100	-5.76100	2.92400
H	8.14800	-5.90700	1.40900
C	7.00400	-6.13000	3.24600
N	5.72400	-6.22100	2.72400
H	5.49700	-6.27100	1.69500
C	4.83600	-6.17600	3.73300
H	3.76700	-6.31400	3.60500
N	5.47600	-6.04300	4.90600
C	6.83200	-6.01700	4.61200
H	7.58400	-5.95700	5.39700
H	6.13300	2.70300	8.57100
C	5.37100	2.02900	8.12200
H	4.38200	2.39600	8.44800
H	5.41000	2.11700	7.02300
C	5.58200	0.60500	8.49800
N	5.12000	0.02600	9.66500
H	4.67000	0.54900	10.42800
C	5.51800	-1.27100	9.69600
H	5.27600	-1.95900	10.50200
N	6.23000	-1.55100	8.60200
C	6.28400	-0.39000	7.85600
H	6.81500	-0.34800	6.90500
H	3.24800	-1.64000	5.63800
C	3.97100	-2.05200	6.39900
H	4.95000	-1.58100	6.22800
H	3.65500	-1.73200	7.41300
C	4.13700	-3.55500	6.45900
O	3.29800	-4.38200	6.04700
O	5.20400	-4.05100	7.06500

H	-1.00800	-7.92700	5.52500
C	-0.74000	-7.71700	6.59300
H	-1.16300	-6.72800	6.84600
H	-1.21600	-8.46100	7.25500
C	0.72800	-7.70600	6.83400
N	1.44800	-8.76900	7.36400
H	1.06900	-9.67900	7.68500
C	2.74200	-8.40300	7.47700
H	3.52700	-9.01700	7.91300
N	2.90200	-7.15200	7.02200
C	1.65200	-6.70400	6.63800
H	1.52700	-5.70500	6.23300
Fe	6.99400	-3.31800	7.86700
O	6.89000	-4.33500	9.65600
H	5.62100	-5.26700	9.71100
Fe	4.66500	-6.11400	6.82100
O	1.99900	-8.65900	16.25000
C	3.21800	-8.67600	16.19800
O	3.91000	-8.84600	17.32700
H	4.92700	-8.92300	17.20700
C	4.01400	-8.55700	14.88700
N	4.59700	-9.90600	14.64600
H	5.33900	-10.07900	15.34600
H	5.07500	-9.89100	13.73200
H	4.78700	-7.76800	15.00800
C	3.08400	-8.23100	13.71100
H	2.38000	-9.07800	13.64300
H	3.68200	-8.23500	12.77800
C	2.23900	-6.93300	13.79800
H	1.29600	-7.10600	13.25200
H	1.96700	-6.73000	14.84800
C	2.90000	-5.68300	13.24100
O	3.76700	-5.02900	13.84700
N	2.46200	-5.30400	12.00000
H	1.76800	-5.90500	11.54200
C	2.94300	-4.13100	11.30300
C	1.97100	-2.91500	11.30600
O	2.38400	-1.85900	10.79300
N	0.73300	-3.12400	11.79000
C	-0.34600	-2.13300	11.77900
C	-1.15400	-2.07500	13.10100
O	-0.69800	-2.69900	14.09100
O	-2.21300	-1.37700	13.07200
H	-1.05000	-2.34200	10.95100
H	0.09500	-1.14300	11.57900
H	0.52600	-4.01300	12.27400
H	3.85100	-3.80900	11.84100
C	3.28600	-4.38500	9.81000
H	2.36600	-4.54500	9.22200
H	3.77800	-3.49100	9.39800
S	4.34700	-5.84100	9.46200
C	7.71200	-4.46100	10.67600
O	8.55700	-3.61600	10.99900
C	7.59400	-5.75400	11.51500
C	6.73400	-5.55200	12.75900
H	7.18600	-4.79600	13.42500
H	5.70300	-5.25900	12.49700
H	6.68300	-6.50300	13.32100
H	8.62700	-5.98100	11.84400
O	7.07000	-6.83500	10.75600
H	7.83300	-7.09800	10.15000
O	3.99600	-8.63200	2.22100
H	3.30500	-8.77500	1.52500
H	4.71700	-9.27400	1.90800
O	10.64700	-5.37100	10.71400
H	10.06100	-4.56600	10.78100
H	11.59000	-5.01900	10.61400
O	9.32800	-7.37000	9.46000
H	9.93000	-6.63100	9.79300
H	9.00200	-7.20600	8.53300

O	4.42300	-8.91100	10.29500
H	4.42000	-7.93500	10.14400
H	3.47700	-9.13500	10.56200

P(Fe3/2)

H	7.29700	-8.20900	-1.50100
C	6.55800	-7.82300	-0.75400
H	5.54300	-8.14700	-1.05000
H	6.73400	-8.28500	0.22800
C	6.57500	-6.31900	-0.53900
O	7.59000	-5.62400	-0.82600
O	5.57600	-5.77600	0.05800
H	10.11500	-1.38100	2.51200
C	9.53100	-0.94300	3.35900
H	10.23700	-0.56000	4.11300
H	9.00700	-0.06800	2.93200
C	8.56900	-1.83300	4.08000
N	7.43200	-2.46000	3.57600
H	7.15800	-2.56400	2.58600
C	6.77000	-3.03900	4.60900
H	5.85000	-3.60600	4.47900
N	7.40900	-2.82100	5.76400
C	8.52800	-2.07300	5.43500
H	9.23700	-1.76800	6.19900
H	11.01800	-5.01800	6.64700
C	10.03700	-4.75200	7.09000
H	9.31900	-4.63000	6.25900
H	9.67200	-5.58800	7.71100
C	10.12400	-3.51700	7.93300
N	8.97300	-2.80900	8.25700
C	9.33700	-1.83500	9.09700
H	8.68100	-1.08300	9.53200
N	10.66400	-1.88900	9.31900
H	11.19200	-1.24800	9.93800
C	11.19100	-2.93700	8.59100
H	12.25800	-3.15600	8.60200
H	8.09300	-9.69400	6.02000
C	7.29200	-9.49700	6.77300
H	6.39400	-10.05000	6.47200
H	7.65800	-9.95000	7.71900
C	6.94800	-8.04300	7.06400
O	7.80400	-7.16600	7.30900
O	5.66800	-7.79100	7.08100
H	8.52200	-7.39100	2.40000
C	8.26000	-6.29700	2.43700
H	9.09500	-5.76200	2.92600
H	8.15200	-5.90400	1.41100
C	7.00700	-6.12800	3.24700
N	5.72700	-6.21400	2.72200
H	5.50000	-6.26400	1.69500
C	4.83800	-6.17100	3.73000
H	3.76900	-6.30500	3.60000
N	5.47600	-6.04200	4.90400
C	6.83200	-6.01800	4.61300
H	7.58300	-5.96000	5.39900
H	6.13000	2.70500	8.57000
C	5.36700	2.03200	8.12200
H	4.37900	2.40000	8.45000
H	5.40400	2.12200	7.02200
C	5.57800	0.60800	8.49500
N	5.11800	0.02700	9.66200
H	4.67000	0.54900	10.42700
C	5.51900	-1.26900	9.69100
H	5.27900	-1.95800	10.49800
N	6.22900	-1.54700	8.59700
C	6.28100	-0.38500	7.85100
H	6.81100	-0.34200	6.90000
H	3.24600	-1.64100	5.63600
C	3.97000	-2.05300	6.39600
H	4.94800	-1.58000	6.22500
H	3.65400	-1.73500	7.41000
C	4.13900	-3.55600	6.45500
O	3.30200	-4.38500	6.04200
O	5.20500	-4.05000	7.06300

H	-1.00800	-7.93000	5.52300
C	-0.73900	-7.71900	6.59100
H	-1.16400	-6.73100	6.84400
H	-1.21500	-8.46400	7.25400
C	0.72800	-7.70700	6.83100
N	1.44800	-8.76900	7.36400
H	1.07000	-9.67800	7.68600
C	2.74200	-8.40200	7.47700
H	3.52600	-9.01600	7.91500
N	2.90100	-7.15200	7.02000
C	1.65200	-6.70500	6.63300
H	1.52600	-5.70700	6.22700
Fe	6.99400	-3.31500	7.86700
O	6.88600	-4.33300	9.65900
H	5.62400	-5.26000	9.70700
Fe	4.66400	-6.11500	6.82000
O	1.99500	-8.66100	16.25100
C	3.21400	-8.67600	16.19700
O	3.90700	-8.85000	17.32500
H	4.92400	-8.92400	17.20400
C	4.00800	-8.55300	14.88500
N	4.58900	-9.90200	14.63900
H	5.33200	-10.07600	15.33600
H	5.06600	-9.88500	13.72400
H	4.78200	-7.76600	15.00800
C	3.07600	-8.22100	13.71300
H	2.36800	-9.06500	13.64500
H	3.67000	-8.22500	12.77800
C	2.23700	-6.91900	13.80700
H	1.29000	-7.08900	13.26800
H	1.97400	-6.71500	14.85900
C	2.89800	-5.67200	13.24600
O	3.76200	-5.01400	13.85000
N	2.46400	-5.30200	12.00000
H	1.77100	-5.90400	11.54300
C	2.94400	-4.12900	11.30100
C	1.97400	-2.91200	11.30600
O	2.38800	-1.85600	10.79500
N	0.73500	-3.12000	11.79100
C	-0.34400	-2.12900	11.77900
C	-1.15300	-2.07300	13.10100
O	-0.69600	-2.69600	14.09200
O	-2.21400	-1.37700	13.07200
H	-1.04700	-2.33600	10.95100
H	0.09800	-1.13800	11.58200
H	0.52600	-4.01000	12.27200
H	3.85300	-3.80700	11.83700
C	3.28500	-4.38500	9.80800
H	2.36400	-4.54700	9.22100
H	3.77500	-3.49100	9.39400
S	4.34800	-5.84000	9.46000
C	7.71000	-4.46100	10.67800
O	8.55600	-3.61700	11.00100
C	7.59200	-5.75400	11.51600
C	6.73100	-5.55100	12.76000
H	7.18400	-4.79400	13.42400
H	5.70000	-5.25600	12.49600
H	6.67800	-6.50100	13.32300
H	8.62400	-5.98300	11.84500
O	7.06700	-6.83500	10.75600
H	7.83100	-7.10000	10.15300
O	3.99900	-8.62900	2.21400
H	3.31100	-8.77100	1.51400
H	4.72100	-9.27200	1.90400
O	10.64600	-5.37200	10.71700
H	10.05900	-4.56800	10.78200
H	11.58900	-5.02000	10.61600
O	9.32900	-7.37300	9.46600
H	9.93100	-6.63400	9.79900
H	9.00600	-7.21100	8.53700

O	4.42100	-8.91200	10.29300
H	4.41900	-7.93600	10.14200
H	3.47400	-9.13500	10.56000

P(Fe3/3)

H	7.35100	-8.24800	-1.56000
C	6.63300	-7.87800	-0.78700
H	5.62200	-8.25900	-1.02100
H	6.90600	-8.30200	0.19000
C	6.57800	-6.38400	-0.61300
O	7.57300	-5.62100	-0.83100
O	5.55300	-5.82300	-0.11300
H	10.12800	-1.36900	2.49900
C	9.57700	-0.90300	3.35400
H	10.30200	-0.50700	4.08400
H	9.05000	-0.02800	2.93700
C	8.61900	-1.77000	4.10400
N	7.45700	-2.37300	3.62200
H	7.15600	-2.44600	2.63800
C	6.80000	-2.93700	4.66100
H	5.86800	-3.48700	4.54300
N	7.47100	-2.74200	5.80600
C	8.60100	-2.01800	5.45800
H	9.32400	-1.71600	6.20700
H	11.01600	-4.97200	6.63500
C	10.04000	-4.69000	7.07600
H	9.33200	-4.54700	6.24000
H	9.65700	-5.52500	7.68700
C	10.15100	-3.46800	7.93200
N	9.00900	-2.75900	8.29300
C	9.39100	-1.80800	9.15900
H	8.75000	-1.05500	9.61300
N	10.71800	-1.87600	9.35100
H	11.26200	-1.24300	9.96800
C	11.22800	-2.90700	8.58900
H	12.29400	-3.13200	8.58300
H	8.09500	-9.66500	6.14900
C	7.30500	-9.43900	6.90400
H	6.41200	-10.02800	6.65500
H	7.69200	-9.82300	7.87100
C	6.91700	-7.98000	7.10300
O	7.72800	-7.04300	7.26500
O	5.62400	-7.79600	7.14300
H	8.40900	-7.54300	2.43500
C	8.04400	-6.48300	2.44700
H	8.84800	-5.86300	2.88600
H	7.87900	-6.12700	1.41700
C	6.82300	-6.35300	3.31100
N	5.53100	-6.74500	2.97900
H	5.16400	-7.34000	2.18700
C	4.72700	-6.54000	4.03800
H	3.67800	-6.83300	4.06700
N	5.42700	-6.01400	5.05500
C	6.73900	-5.90800	4.61600
H	7.53700	-5.56200	5.26800
H	6.07000	2.76200	8.61500
C	5.34000	2.07600	8.13600
H	4.33200	2.41200	8.43600
H	5.41200	2.17700	7.04000
C	5.57600	0.65500	8.50100
N	5.09000	0.05000	9.64800
H	4.61800	0.56200	10.40800
C	5.51200	-1.23200	9.68600
H	5.25800	-1.93400	10.47600
N	6.26700	-1.48200	8.60800
C	6.32000	-0.31400	7.86800
H	6.88700	-0.24400	6.94000
H	3.27700	-1.59900	5.64000
C	4.00800	-1.99100	6.40600
H	4.98100	-1.51200	6.22300
H	3.68700	-1.65500	7.41400
C	4.18600	-3.48900	6.51500
O	3.34800	-4.34000	6.17800
O	5.28500	-3.95000	7.11200

H	-0.93900	-7.95500	5.46800
C	-0.67000	-7.72800	6.53300
H	-1.08700	-6.73200	6.76800
H	-1.15200	-8.45700	7.20800
C	0.79600	-7.72000	6.77700
N	1.51500	-8.79000	7.29200
H	1.13000	-9.70100	7.60600
C	2.81000	-8.42000	7.42000
H	3.59100	-9.03900	7.85300
N	2.96900	-7.15900	6.99400
C	1.71900	-6.70900	6.60900
H	1.58200	-5.70300	6.22700
Fe	7.03400	-3.22200	7.88900
O	6.91600	-4.28100	9.59600
H	5.61100	-5.24400	9.68800
Fe	4.74300	-6.05000	6.94300
O	2.01000	-8.61700	16.22000
C	3.22800	-8.65500	16.18500
O	3.90700	-8.82300	17.32200
H	4.92400	-8.91700	17.21200
C	4.03900	-8.56500	14.87900
N	4.61300	-9.92000	14.66800
H	5.34100	-10.09600	15.38100
H	5.09800	-9.93300	13.75800
H	4.81600	-7.77800	14.99700
C	3.12500	-8.25900	13.68400
H	2.43200	-9.11400	13.61700
H	3.73900	-8.27200	12.76200
C	2.26200	-6.97100	13.73300
H	1.33000	-7.16700	13.17500
H	1.97000	-6.75400	14.77500
C	2.90900	-5.71900	13.16700
O	3.76500	-5.04600	13.76600
N	2.47000	-5.35300	11.91800
H	1.79200	-5.96300	11.44700
C	2.93400	-4.16600	11.23700
C	1.96200	-2.94700	11.26700
O	2.38000	-1.87900	10.78100
N	0.72500	-3.16300	11.75000
C	-0.35100	-2.16700	11.74600
C	-1.15000	-2.11400	13.06800
O	-0.69900	-2.74100	14.05900
O	-2.21300	-1.42200	13.06600
H	-1.05800	-2.36700	10.91900
H	0.09500	-1.17700	11.55200
H	0.51200	-4.06800	12.20100
H	3.84300	-3.84200	11.77400
C	3.26500	-4.39300	9.73900
H	2.35000	-4.59500	9.15800
H	3.72800	-3.48200	9.33000
S	4.36600	-5.81800	9.38800
C	7.70600	-4.39500	10.66000
O	8.50600	-3.52800	11.01500
C	7.58300	-5.69700	11.48200
C	6.75400	-5.49600	12.74800
H	7.22200	-4.73900	13.40200
H	5.71500	-5.20600	12.51300
H	6.72000	-6.44700	13.31000
H	8.62000	-5.93800	11.78500
O	7.03200	-6.75900	10.71900
H	7.79200	-7.03900	10.11300
O	4.19200	-8.73900	1.97100
H	3.50500	-8.85900	1.25600
H	4.88900	-9.45700	1.73200
O	10.64100	-5.32400	10.68100
H	10.09200	-4.50000	10.75700
H	11.60100	-5.00200	10.61500
O	9.27000	-7.30400	9.41600
H	9.89900	-6.59000	9.75000
H	8.95600	-7.12600	8.48700

O	4.41000	-8.90000	10.27000
H	4.39600	-7.93100	10.09500
H	3.46400	-9.12900	10.54500

13. The PDB file of the ZnZn state that we used for the QM/MM calculations

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ATOM 1 N MET 1 -4.005 -6.150 -17.603 0.159200
ATOM 2 H1 MET 1 -3.499 -5.595 -18.278 0.198400
ATOM 3 H2 MET 1 -4.880 -5.684 -17.410 0.198400
ATOM 4 H3 MET 1 -4.209 -7.050 -18.013 0.198400
ATOM 5 CA MET 1 -3.231 -6.315 -16.339 0.022100
ATOM 6 HA MET 1 -2.245 -6.718 -16.571 0.111600
ATOM 7 CB MET 1 -3.068 -4.991 -15.590 0.086500
ATOM 8 HB2 MET 1 -2.544 -4.275 -16.223 0.012500
ATOM 9 HB3 MET 1 -4.070 -4.598 -15.419 0.012500
ATOM 10 CG MET 1 -2.386 -5.103 -14.232 0.033400
ATOM 11 HG2 MET 1 -2.863 -5.885 -13.641 0.029200
ATOM 12 HG3 MET 1 -1.353 -5.408 -14.403 0.029200
ATOM 13 SD MET 1 -2.363 -3.628 -13.194 -0.277400
ATOM 14 CE MET 1 -2.642 -2.324 -14.400 -0.034100
ATOM 15 HE1 MET 1 -2.634 -1.366 -13.880 0.059700
ATOM 16 HE2 MET 1 -1.850 -2.320 -15.148 0.059700
ATOM 17 HE3 MET 1 -3.616 -2.441 -14.876 0.059700
ATOM 18 C MET 1 -3.958 -7.317 -15.457 0.612300
ATOM 19 O MET 1 -5.179 -7.215 -15.331 -0.571300
ATOM 20 N LYS 2 -3.236 -8.275 -14.891 -0.347900
ATOM 21 H LYS 2 -2.240 -8.307 -15.053 0.274700
ATOM 22 CA LYS 2 -3.796 -9.253 -13.972 -0.240000
ATOM 23 HA LYS 2 -4.834 -9.030 -13.723 0.142600
ATOM 24 CB LYS 2 -3.688 -10.674 -14.528 -0.009400
ATOM 25 HB2 LYS 2 -2.644 -10.878 -14.762 0.036200
ATOM 26 HB3 LYS 2 -4.001 -11.365 -13.746 0.036200
ATOM 27 CG LYS 2 -4.512 -10.941 -15.778 0.018700
ATOM 28 HG2 LYS 2 -5.570 -10.936 -15.516 0.010300
ATOM 29 HG3 LYS 2 -4.339 -10.153 -16.511 0.010300
ATOM 30 CD LYS 2 -4.156 -12.274 -16.420 -0.047900
ATOM 31 HD2 LYS 2 -4.844 -12.439 -17.249 0.062100
ATOM 32 HD3 LYS 2 -3.144 -12.206 -16.819 0.062100
ATOM 33 CE LYS 2 -4.257 -13.460 -15.472 -0.014300
ATOM 34 HE2 LYS 2 -5.033 -13.261 -14.733 0.113500
ATOM 35 HE3 LYS 2 -4.574 -14.332 -16.044 0.113500
ATOM 36 NZ LYS 2 -2.968 -13.764 -14.807 -0.385400
ATOM 37 HZ1 LYS 2 -2.297 -14.087 -15.489 0.340000
ATOM 38 HZ2 LYS 2 -2.627 -12.954 -14.310 0.340000
ATOM 39 HZ3 LYS 2 -3.141 -14.493 -14.129 0.340000
ATOM 40 C LYS 2 -2.959 -9.204 -12.704 0.734100
ATOM 41 O LYS 2 -1.737 -9.129 -12.837 -0.589400
ATOM 42 N VAL 3 -3.586 -9.348 -11.546 -0.415700
ATOM 43 H VAL 3 -4.592 -9.429 -11.517 0.271900
ATOM 44 CA VAL 3 -2.843 -9.372 -10.280 -0.087500
ATOM 45 HA VAL 3 -1.769 -9.359 -10.461 0.096900
ATOM 46 CB VAL 3 -3.187 -8.159 -9.394 0.298500
ATOM 47 HB VAL 3 -4.255 -8.170 -9.177 -0.029700
ATOM 48 CG1 VAL 3 -2.419 -8.265 -8.070 -0.319200
ATOM 49 1HG1 VAL 3 -2.771 -9.114 -7.484 0.079100
ATOM 50 2HG1 VAL 3 -1.351 -8.369 -8.260 0.079100
ATOM 51 3HG1 VAL 3 -2.583 -7.366 -7.476 0.079100
ATOM 52 CG2 VAL 3 -2.874 -6.835 -10.057 -0.319200
ATOM 53 1HG2 VAL 3 -3.458 -6.718 -10.970 0.079100
ATOM 54 2HG2 VAL 3 -3.135 -6.018 -9.385 0.079100
ATOM 55 3HG2 VAL 3 -1.813 -6.781 -10.303 0.079100
ATOM 56 C VAL 3 -3.188 -10.655 -9.553 0.597300
ATOM 57 O VAL 3 -4.370 -10.883 -9.270 -0.567900
ATOM 58 N GLU 4 -2.211 -11.510 -9.255 -0.516300
ATOM 59 H GLU 4 -1.258 -11.272 -9.489 0.293600
ATOM 60 CA GLU 4 -2.470 -12.708 -8.479 0.039700
ATOM 61 HA GLU 4 -3.539 -12.915 -8.442 0.110500
ATOM 62 CB GLU 4 -1.799 -13.930 -9.107 0.056000
ATOM 63 HB2 GLU 4 -0.718 -13.854 -8.990 -0.017300
ATOM 64 HB3 GLU 4 -2.119 -14.826 -8.575 -0.017300
ATOM 65 CG GLU 4 -2.108 -14.079 -10.600 0.013600
ATOM 66 HG2 GLU 4 -1.721 -13.222 -11.151 -0.042500
ATOM 67 HG3 GLU 4 -1.564 -14.947 -10.973 -0.042500
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ATOM	68	CD	GLU	4	-3.600	-14.232	-10.858	0.805400
ATOM	69	OE1	GLU	4	-4.256	-14.981	-10.100	-0.818800
ATOM	70	OE2	GLU	4	-4.118	-13.617	-11.813	-0.818800
ATOM	71	C	GLU	4	-1.976	-12.517	-7.048	0.536600
ATOM	72	O	GLU	4	-0.809	-12.170	-6.834	-0.581900
ATOM	73	N	VAL	5	-2.871	-12.766	-6.105	-0.415700
ATOM	74	H	VAL	5	-3.808	-13.036	-6.371	0.271900
ATOM	75	CA	VAL	5	-2.572	-12.625	-4.684	-0.087500
ATOM	76	HA	VAL	5	-1.873	-11.802	-4.533	0.096900
ATOM	77	CB	VAL	5	-3.874	-12.309	-3.941	0.298500
ATOM	78	HB	VAL	5	-4.582	-13.125	-4.081	-0.029700
ATOM	79	CG1	VAL	5	-3.593	-12.156	-2.444	-0.319200
ATOM	80	1HG1	VAL	5	-2.808	-11.418	-2.277	0.079100
ATOM	81	2HG1	VAL	5	-4.498	-11.824	-1.934	0.079100
ATOM	82	3HG1	VAL	5	-3.295	-13.110	-2.009	0.079100
ATOM	83	CG2	VAL	5	-4.541	-11.065	-4.516	-0.319200
ATOM	84	1HG2	VAL	5	-4.859	-11.200	-5.550	0.079100
ATOM	85	2HG2	VAL	5	-5.421	-10.814	-3.924	0.079100
ATOM	86	3HG2	VAL	5	-3.846	-10.226	-4.498	0.079100
ATOM	87	C	VAL	5	-1.946	-13.911	-4.161	0.597300
ATOM	88	O	VAL	5	-2.569	-14.981	-4.263	-0.567900
ATOM	89	N	LEU	6	-0.751	-13.787	-3.597	-0.415700
ATOM	90	H	LEU	6	-0.300	-12.884	-3.562	0.271900
ATOM	91	CA	LEU	6	-0.022	-14.943	-3.096	-0.051800
ATOM	92	HA	LEU	6	-0.544	-15.872	-3.325	0.092200
ATOM	93	CB	LEU	6	1.324	-15.006	-3.830	-0.110200
ATOM	94	HB2	LEU	6	1.911	-14.147	-3.504	0.045700
ATOM	95	HB3	LEU	6	1.847	-15.899	-3.488	0.045700
ATOM	96	CG	LEU	6	1.373	-14.981	-5.360	0.353100
ATOM	97	HG	LEU	6	0.942	-14.045	-5.718	-0.036100
ATOM	98	CD1	LEU	6	2.817	-15.058	-5.863	-0.412100
ATOM	99	1HD1	LEU	6	2.833	-15.019	-6.952	0.100000
ATOM	100	2HD1	LEU	6	3.382	-14.212	-5.472	0.100000
ATOM	101	3HD1	LEU	6	3.279	-15.987	-5.530	0.100000
ATOM	102	CD2	LEU	6	0.614	-16.138	-5.993	-0.412100
ATOM	103	1HD2	LEU	6	0.669	-16.060	-7.079	0.100000
ATOM	104	2HD2	LEU	6	1.045	-17.088	-5.678	0.100000
ATOM	105	3HD2	LEU	6	-0.437	-16.091	-5.707	0.100000
ATOM	106	C	LEU	6	0.222	-14.861	-1.592	0.597300
ATOM	107	O	LEU	6	1.123	-14.145	-1.150	-0.567900
ATOM	108	N	PRO	7	-0.569	-15.531	-0.766	-0.254800
ATOM	109	CD	PRO	7	-1.738	-16.340	-1.155	0.019200
ATOM	110	HD2	PRO	7	-1.412	-17.325	-1.489	0.039100
ATOM	111	HD3	PRO	7	-2.351	-15.849	-1.911	0.039100
ATOM	112	CG	PRO	7	-2.521	-16.454	0.140	0.018900
ATOM	113	HG2	PRO	7	-3.131	-17.357	0.155	0.021300
ATOM	114	HG3	PRO	7	-3.140	-15.568	0.281	0.021300
ATOM	115	CB	PRO	7	-1.426	-16.488	1.180	-0.007000
ATOM	116	HB2	PRO	7	-1.027	-17.500	1.249	0.025300
ATOM	117	HB3	PRO	7	-1.793	-16.171	2.156	0.025300
ATOM	118	CA	PRO	7	-0.339	-15.555	0.669	-0.026600
ATOM	119	HA	PRO	7	-0.483	-14.557	1.081	0.064100
ATOM	120	C	PRO	7	1.066	-16.063	0.995	0.589600
ATOM	121	O	PRO	7	1.600	-16.989	0.353	-0.574800
ATOM	122	N	ALA	8	1.687	-15.497	2.019	-0.415700
ATOM	123	H	ALA	8	1.236	-14.731	2.499	0.271900
ATOM	124	CA	ALA	8	3.005	-15.891	2.500	0.033700
ATOM	125	HA	ALA	8	3.199	-16.927	2.222	0.082300
ATOM	126	CB	ALA	8	4.096	-15.009	1.898	-0.182500
ATOM	127	HB1	ALA	8	4.083	-15.107	0.813	0.060300
ATOM	128	HB2	ALA	8	3.924	-13.965	2.160	0.060300
ATOM	129	HB3	ALA	8	5.074	-15.318	2.265	0.060300
ATOM	130	C	ALA	8	3.053	-15.794	4.020	0.597300
ATOM	131	O	ALA	8	2.322	-15.024	4.655	-0.567900
ATOM	132	N	LEU	9	3.948	-16.576	4.631	-0.415700
ATOM	133	H	LEU	9	4.494	-17.206	4.061	0.271900
ATOM	134	CA	LEU	9	4.132	-16.595	6.081	-0.051800
ATOM	135	HA	LEU	9	4.742	-17.461	6.338	0.092200
ATOM	136	CB	LEU	9	4.902	-15.338	6.510	-0.110200
ATOM	137	HB2	LEU	9	4.263	-14.464	6.382	0.045700

ATOM	138	HB3	LEU	9	5.142	-15.429	7.569	0.045700
ATOM	139	CG	LEU	9	6.210	-15.076	5.756	0.353100
ATOM	140	HG	LEU	9	6.005	-14.947	4.693	-0.036100
ATOM	141	CD1	LEU	9	6.836	-13.782	6.263	-0.412100
ATOM	142	1HD1	LEU	9	7.017	-13.837	7.336	0.100000
ATOM	143	2HD1	LEU	9	7.779	-13.599	5.748	0.100000
ATOM	144	3HD1	LEU	9	6.169	-12.945	6.052	0.100000
ATOM	145	CD2	LEU	9	7.189	-16.238	5.919	-0.412100
ATOM	146	1HD2	LEU	9	6.786	-17.147	5.473	0.100000
ATOM	147	2HD2	LEU	9	8.124	-15.994	5.417	0.100000
ATOM	148	3HD2	LEU	9	7.390	-16.407	6.977	0.100000
ATOM	149	C	LEU	9	2.801	-16.814	6.793	0.597300
ATOM	150	O	LEU	9	2.021	-17.672	6.379	-0.567900
ATOM	151	N	THR	10	2.536	-16.071	7.854	-0.415700
ATOM	152	H	THR	10	3.207	-15.363	8.114	0.271900
ATOM	153	CA	THR	10	1.312	-16.162	8.639	-0.038900
ATOM	154	HA	THR	10	0.974	-17.195	8.712	0.100700
ATOM	155	CB	THR	10	1.657	-15.633	10.051	0.365400
ATOM	156	HB	THR	10	1.951	-14.585	9.997	0.004300
ATOM	157	CG2	THR	10	0.486	-15.754	11.009	-0.243800
ATOM	158	1HG2	THR	10	0.843	-15.569	12.023	0.064200
ATOM	159	2HG2	THR	10	-0.280	-15.017	10.768	0.064200
ATOM	160	3HG2	THR	10	0.054	-16.753	10.954	0.064200
ATOM	161	OG1	THR	10	2.759	-16.392	10.555	-0.676100
ATOM	162	HG1	THR	10	3.541	-15.877	10.341	0.410200
ATOM	163	C	THR	10	0.176	-15.313	8.072	0.597300
ATOM	164	O	THR	10	-0.980	-15.729	8.020	-0.567900
ATOM	165	N	ASP	11	0.505	-14.078	7.688	-0.516300
ATOM	166	H	ASP	11	1.468	-13.778	7.746	0.293600
ATOM	167	CA	ASP	11	-0.502	-13.105	7.255	0.038100
ATOM	168	HA	ASP	11	-1.301	-13.628	6.728	0.088000
ATOM	169	CB	ASP	11	-1.124	-12.439	8.483	-0.030300
ATOM	170	HB2	ASP	11	-1.877	-11.717	8.166	-0.012200
ATOM	171	HB3	ASP	11	-1.651	-13.204	9.053	-0.012200
ATOM	172	CG	ASP	11	-0.143	-11.748	9.420	0.799400
ATOM	173	OD1	ASP	11	0.917	-11.223	9.021	-0.801400
ATOM	174	OD2	ASP	11	-0.399	-11.697	10.648	-0.801400
ATOM	175	C	ASP	11	0.047	-12.070	6.280	0.536600
ATOM	176	O	ASP	11	-0.518	-10.976	6.176	-0.581900
ATOM	177	N	ASN	12	1.104	-12.372	5.532	-0.415700
ATOM	178	H	ASN	12	1.460	-13.317	5.554	0.271900
ATOM	179	CA	ASN	12	1.648	-11.471	4.512	0.014300
ATOM	180	HA	ASN	12	1.422	-10.435	4.766	0.104800
ATOM	181	CB	ASN	12	3.175	-11.616	4.391	-0.204100
ATOM	182	HB2	ASN	12	3.455	-12.667	4.467	0.079700
ATOM	183	HB3	ASN	12	3.506	-11.260	3.415	0.079700
ATOM	184	CG	ASN	12	3.953	-10.831	5.424	0.713000
ATOM	185	OD1	ASN	12	4.099	-11.300	6.554	-0.593100
ATOM	186	ND2	ASN	12	4.387	-9.625	5.096	-0.919100
ATOM	187	1HD2	ASN	12	4.846	-9.044	5.783	0.419600
ATOM	188	2HD2	ASN	12	4.185	-9.199	4.203	0.419600
ATOM	189	C	ASN	12	1.041	-11.758	3.141	0.597300
ATOM	190	O	ASN	12	0.583	-12.869	2.855	-0.567900
ATOM	191	N	TYR	13	1.106	-10.783	2.234	-0.415700
ATOM	192	H	TYR	13	1.448	-9.880	2.530	0.271900
ATOM	193	CA	TYR	13	0.715	-10.945	0.847	-0.001400
ATOM	194	HA	TYR	13	0.518	-11.996	0.635	0.087600
ATOM	195	CB	TYR	13	-0.525	-10.122	0.464	-0.015200
ATOM	196	HB2	TYR	13	-0.365	-9.086	0.762	0.029500
ATOM	197	HB3	TYR	13	-0.632	-10.148	-0.620	0.029500
ATOM	198	CG	TYR	13	-1.822	-10.630	1.049	-0.001100
ATOM	199	CD1	TYR	13	-2.191	-11.958	0.833	-0.190600
ATOM	200	HD1	TYR	13	-1.557	-12.608	0.248	0.169900
ATOM	201	CE1	TYR	13	-3.381	-12.463	1.370	-0.234100
ATOM	202	HE1	TYR	13	-3.670	-13.492	1.211	0.165600
ATOM	203	CZ	TYR	13	-4.210	-11.615	2.100	0.322600
ATOM	204	OH	TYR	13	-5.380	-12.094	2.621	-0.557900
ATOM	205	HH	TYR	13	-5.892	-11.431	3.090	0.399200
ATOM	206	CE2	TYR	13	-3.848	-10.296	2.333	-0.234100
ATOM	207	HE2	TYR	13	-4.491	-9.651	2.914	0.165600

ATOM	208	CD2	TYR	13	-2.649	-9.814	1.812	-0.190600
ATOM	209	HD2	TYR	13	-2.356	-8.790	1.994	0.169900
ATOM	210	C	TYR	13	1.826	-10.500	-0.085	0.597300
ATOM	211	O	TYR	13	2.371	-9.401	0.060	-0.567900
ATOM	212	N	MET	14	2.163	-11.367	-1.034	-0.415700
ATOM	213	H	MET	14	1.692	-12.259	-1.063	0.271900
ATOM	214	CA	MET	14	3.009	-11.032	-2.164	-0.023700
ATOM	215	HA	MET	14	3.527	-10.088	-1.995	0.088000
ATOM	216	CB	MET	14	4.043	-12.127	-2.468	0.034200
ATOM	217	HB2	MET	14	3.553	-12.933	-3.014	0.024100
ATOM	218	HB3	MET	14	4.807	-11.710	-3.125	0.024100
ATOM	219	CG	MET	14	4.739	-12.735	-1.261	0.001800
ATOM	220	HG2	MET	14	5.240	-11.949	-0.697	0.044000
ATOM	221	HG3	MET	14	3.977	-13.152	-0.603	0.044000
ATOM	222	SD	MET	14	5.900	-14.084	-1.645	-0.273700
ATOM	223	CE	MET	14	4.776	-15.355	-2.231	-0.053600
ATOM	224	HE1	MET	14	4.328	-15.048	-3.176	0.068400
ATOM	225	HE2	MET	14	5.341	-16.274	-2.388	0.068400
ATOM	226	HE3	MET	14	3.992	-15.532	-1.495	0.068400
ATOM	227	C	MET	14	2.066	-10.910	-3.381	0.597300
ATOM	228	O	MET	14	0.965	-11.490	-3.370	-0.567900
ATOM	229	N	TYR	15	2.504	-10.161	-4.401	-0.415700
ATOM	230	H	TYR	15	3.400	-9.701	-4.326	0.271900
ATOM	231	CA	TYR	15	1.642	-9.928	-5.576	-0.001400
ATOM	232	HA	TYR	15	0.819	-10.643	-5.564	0.087600
ATOM	233	CB	TYR	15	1.012	-8.529	-5.550	-0.015200
ATOM	234	HB2	TYR	15	1.791	-7.770	-5.621	0.029500
ATOM	235	HB3	TYR	15	0.376	-8.418	-6.428	0.029500
ATOM	236	CG	TYR	15	0.178	-8.263	-4.317	-0.001100
ATOM	237	CD1	TYR	15	-1.108	-8.788	-4.232	-0.190600
ATOM	238	HD1	TYR	15	-1.496	-9.363	-5.060	0.169900
ATOM	239	CE1	TYR	15	-1.892	-8.601	-3.104	-0.234100
ATOM	240	HE1	TYR	15	-2.885	-9.017	-3.025	0.165600
ATOM	241	CZ	TYR	15	-1.388	-7.877	-2.035	0.322600
ATOM	242	OH	TYR	15	-2.216	-7.670	-0.956	-0.557900
ATOM	243	HH	TYR	15	-1.723	-7.313	-0.213	0.399200
ATOM	244	CE2	TYR	15	-0.099	-7.348	-2.095	-0.234100
ATOM	245	HE2	TYR	15	0.303	-6.806	-1.252	0.165600
ATOM	246	CD2	TYR	15	0.692	-7.562	-3.224	-0.190600
ATOM	247	HD2	TYR	15	1.701	-7.177	-3.248	0.169900
ATOM	248	C	TYR	15	2.387	-10.117	-6.894	0.597300
ATOM	249	O	TYR	15	3.350	-9.422	-7.204	-0.567900
ATOM	250	N	LEU	16	1.859	-11.042	-7.705	-0.415700
ATOM	251	H	LEU	16	1.022	-11.526	-7.415	0.271900
ATOM	252	CA	LEU	16	2.388	-11.294	-9.055	-0.051800
ATOM	253	HA	LEU	16	3.438	-11.007	-9.098	0.092200
ATOM	254	CB	LEU	16	2.262	-12.778	-9.401	-0.110200
ATOM	255	HB2	LEU	16	2.738	-13.355	-8.608	0.045700
ATOM	256	HB3	LEU	16	1.201	-13.027	-9.394	0.045700
ATOM	257	CG	LEU	16	2.859	-13.234	-10.747	0.353100
ATOM	258	HG	LEU	16	2.461	-12.602	-11.541	-0.036100
ATOM	259	CD1	LEU	16	4.379	-13.108	-10.750	-0.412100
ATOM	260	1HD1	LEU	16	4.677	-12.066	-10.632	0.100000
ATOM	261	2HD1	LEU	16	4.806	-13.695	-9.937	0.100000
ATOM	262	3HD1	LEU	16	4.771	-13.469	-11.700	0.100000
ATOM	263	CD2	LEU	16	2.437	-14.682	-11.047	-0.412100
ATOM	264	1HD2	LEU	16	2.839	-15.346	-10.281	0.100000
ATOM	265	2HD2	LEU	16	1.349	-14.751	-11.060	0.100000
ATOM	266	3HD2	LEU	16	2.822	-14.978	-12.023	0.100000
ATOM	267	C	LEU	16	1.585	-10.437	-10.028	0.597300
ATOM	268	O	LEU	16	0.365	-10.610	-10.138	-0.567900
ATOM	269	N	VAL	17	2.248	-9.468	-10.627	-0.415700
ATOM	270	H	VAL	17	3.241	-9.392	-10.455	0.271900
ATOM	271	CA	VAL	17	1.624	-8.475	-11.490	-0.087500
ATOM	272	HA	VAL	17	0.541	-8.517	-11.373	0.096900
ATOM	273	CB	VAL	17	2.062	-7.059	-11.111	0.298500
ATOM	274	HB	VAL	17	3.128	-6.964	-11.315	-0.029700
ATOM	275	CG1	VAL	17	1.345	-5.983	-11.921	-0.319200
ATOM	276	1HG1	VAL	17	1.697	-5.001	-11.605	0.079100
ATOM	277	2HG1	VAL	17	1.559	-6.104	-12.983	0.079100

ATOM	278	3HG1 VAL	17	0.269	-6.049	-11.762	0.079100
ATOM	279	CG2 VAL	17	1.875	-6.807	-9.604	-0.319200
ATOM	280	1HG2 VAL	17	2.536	-7.449	-9.021	0.079100
ATOM	281	2HG2 VAL	17	2.121	-5.772	-9.368	0.079100
ATOM	282	3HG2 VAL	17	0.839	-7.000	-9.323	0.079100
ATOM	283	C VAL	17	1.963	-8.815	-12.935	0.597300
ATOM	284	O VAL	17	3.117	-8.702	-13.344	-0.567900
ATOM	285	N ILE	18	0.943	-9.227	-13.680	-0.415700
ATOM	286	H ILE	18	0.011	-9.252	-13.293	0.271900
ATOM	287	CA ILE	18	1.180	-9.699	-15.049	-0.059700
ATOM	288	HA ILE	18	2.238	-9.915	-15.198	0.086900
ATOM	289	CB ILE	18	0.430	-11.030	-15.208	0.130300
ATOM	290	HB ILE	18	-0.608	-10.856	-14.925	0.018700
ATOM	291	CG2 ILE	18	0.451	-11.559	-16.647	-0.320400
ATOM	292	1HG2 ILE	18	1.477	-11.643	-17.005	0.088200
ATOM	293	2HG2 ILE	18	-0.041	-12.528	-16.732	0.088200
ATOM	294	3HG2 ILE	18	-0.087	-10.884	-17.312	0.088200
ATOM	295	CG1 ILE	18	1.018	-12.096	-14.269	-0.043000
ATOM	296	2HG1 ILE	18	1.993	-12.419	-14.634	0.023600
ATOM	297	3HG1 ILE	18	1.173	-11.683	-13.273	0.023600
ATOM	298	CD1 ILE	18	0.104	-13.300	-14.088	-0.066000
ATOM	299	1HD1 ILE	18	-0.047	-13.838	-15.024	0.018600
ATOM	300	2HD1 ILE	18	0.573	-13.988	-13.385	0.018600
ATOM	301	3HD1 ILE	18	-0.838	-12.964	-13.654	0.018600
ATOM	302	C ILE	18	0.768	-8.721	-16.134	0.597300
ATOM	303	O ILE	18	-0.351	-8.211	-16.117	-0.567900
ATOM	304	N ASP	19	1.621	-8.513	-17.135	-0.516300
ATOM	305	H ASP	19	2.533	-8.948	-17.128	0.293600
ATOM	306	CA ASP	19	1.235	-7.726	-18.308	0.038100
ATOM	307	HA ASP	19	0.500	-6.969	-18.034	0.088000
ATOM	308	CB ASP	19	2.415	-6.999	-18.935	-0.030300
ATOM	309	HB2 ASP	19	2.784	-6.254	-18.230	-0.012200
ATOM	310	HB3 ASP	19	3.218	-7.715	-19.112	-0.012200
ATOM	311	CG ASP	19	2.069	-6.311	-20.246	0.799400
ATOM	312	OD1 ASP	19	0.979	-5.707	-20.347	-0.801400
ATOM	313	OD2 ASP	19	2.944	-6.390	-21.138	-0.801400
ATOM	314	C ASP	19	0.609	-8.681	-19.324	0.536600
ATOM	315	O ASP	19	1.286	-9.585	-19.814	-0.581900
ATOM	316	N ASP	20	-0.672	-8.470	-19.628	-0.516300
ATOM	317	H ASP	20	-1.141	-7.656	-19.258	0.293600
ATOM	318	CA ASP	20	-1.376	-9.331	-20.574	0.038100
ATOM	319	HA ASP	20	-1.291	-10.367	-20.246	0.088000
ATOM	320	CB ASP	20	-2.857	-8.945	-20.643	-0.030300
ATOM	321	HB2 ASP	20	-2.929	-7.863	-20.754	-0.012200
ATOM	322	HB3 ASP	20	-3.299	-9.404	-21.527	-0.012200
ATOM	323	CG ASP	20	-3.675	-9.418	-19.451	0.799400
ATOM	324	OD1 ASP	20	-3.594	-10.611	-19.090	-0.801400
ATOM	325	OD2 ASP	20	-4.419	-8.591	-18.875	-0.801400
ATOM	326	C ASP	20	-0.787	-9.255	-21.978	0.536600
ATOM	327	O ASP	20	-0.807	-10.259	-22.696	-0.581900
ATOM	328	N GLU	21	-0.270	-8.099	-22.371	-0.516300
ATOM	329	H GLU	21	-0.256	-7.330	-21.715	0.293600
ATOM	330	CA GLU	21	0.247	-7.871	-23.712	0.039700
ATOM	331	HA GLU	21	-0.474	-8.262	-24.430	0.110500
ATOM	332	CB GLU	21	0.385	-6.363	-23.969	0.056000
ATOM	333	HB2 GLU	21	0.643	-5.863	-23.035	-0.017300
ATOM	334	HB3 GLU	21	1.195	-6.180	-24.675	-0.017300
ATOM	335	CG GLU	21	-0.876	-5.735	-24.548	0.013600
ATOM	336	HG2 GLU	21	-0.900	-5.924	-25.621	-0.042500
ATOM	337	HG3 GLU	21	-1.737	-6.245	-24.118	-0.042500
ATOM	338	CD GLU	21	-1.034	-4.251	-24.269	0.805400
ATOM	339	OE1 GLU	21	-1.486	-3.900	-23.153	-0.818800
ATOM	340	OE2 GLU	21	-0.734	-3.425	-25.163	-0.818800
ATOM	341	C GLU	21	1.551	-8.585	-24.019	0.536600
ATOM	342	O GLU	21	1.714	-9.060	-25.148	-0.581900
ATOM	343	N THR	22	2.486	-8.683	-23.079	-0.415700
ATOM	344	H THR	22	2.349	-8.175	-22.217	0.271900
ATOM	345	CA THR	22	3.786	-9.312	-23.326	-0.038900
ATOM	346	HA THR	22	3.905	-9.575	-24.377	0.100700
ATOM	347	CB THR	22	4.931	-8.352	-22.947	0.365400

ATOM	348	HB	THR	22	5.884	-8.844	-23.143	0.004300
ATOM	349	CG2	THR	22	4.890	-7.048	-23.726	-0.243800
ATOM	350	1HG2	THR	22	4.959	-7.258	-24.794	0.064200
ATOM	351	2HG2	THR	22	3.967	-6.502	-23.528	0.064200
ATOM	352	3HG2	THR	22	5.735	-6.426	-23.433	0.064200
ATOM	353	OG1	THR	22	4.863	-8.034	-21.552	-0.676100
ATOM	354	HG1	THR	22	4.170	-7.380	-21.433	0.410200
ATOM	355	C	THR	22	4.006	-10.578	-22.523	0.597300
ATOM	356	O	THR	22	4.935	-11.353	-22.745	-0.567900
ATOM	357	N	LYS	23	3.195	-10.770	-21.489	-0.347900
ATOM	358	H	LYS	23	2.463	-10.096	-21.313	0.274700
ATOM	359	CA	LYS	23	3.345	-11.842	-20.520	-0.240000
ATOM	360	HA	LYS	23	2.539	-11.731	-19.794	0.142600
ATOM	361	CB	LYS	23	3.206	-13.238	-21.150	-0.009400
ATOM	362	HB2	LYS	23	3.928	-13.417	-21.947	0.036200
ATOM	363	HB3	LYS	23	3.396	-13.977	-20.372	0.036200
ATOM	364	CG	LYS	23	1.785	-13.442	-21.676	0.018700
ATOM	365	HG2	LYS	23	1.116	-12.747	-21.167	0.010300
ATOM	366	HG3	LYS	23	1.735	-13.199	-22.737	0.010300
ATOM	367	CD	LYS	23	1.243	-14.833	-21.378	-0.047900
ATOM	368	HD2	LYS	23	1.437	-15.100	-20.339	0.062100
ATOM	369	HD3	LYS	23	0.162	-14.816	-21.513	0.062100
ATOM	370	CE	LYS	23	1.821	-15.899	-22.295	-0.014300
ATOM	371	HE2	LYS	23	2.897	-15.968	-22.136	0.113500
ATOM	372	HE3	LYS	23	1.382	-16.860	-22.026	0.113500
ATOM	373	NZ	LYS	23	1.535	-15.603	-23.724	-0.385400
ATOM	374	HZ1	LYS	23	2.041	-14.797	-24.062	0.340000
ATOM	375	HZ2	LYS	23	1.791	-16.378	-24.319	0.340000
ATOM	376	HZ3	LYS	23	0.555	-15.428	-23.898	0.340000
ATOM	377	C	LYS	23	4.604	-11.686	-19.672	0.734100
ATOM	378	O	LYS	23	5.105	-12.666	-19.122	-0.589400
ATOM	379	N	GLU	24	5.119	-10.471	-19.538	-0.516300
ATOM	380	H	GLU	24	4.670	-9.699	-20.010	0.293600
ATOM	381	CA	GLU	24	6.213	-10.160	-18.623	0.039700
ATOM	382	HA	GLU	24	6.864	-11.025	-18.503	0.110500
ATOM	383	CB	GLU	24	7.070	-8.974	-19.064	0.056000
ATOM	384	HB2	GLU	24	6.414	-8.121	-19.236	-0.017300
ATOM	385	HB3	GLU	24	7.746	-8.709	-18.251	-0.017300
ATOM	386	CG	GLU	24	7.911	-9.217	-20.315	0.013600
ATOM	387	HG2	GLU	24	8.702	-9.922	-20.060	-0.042500
ATOM	388	HG3	GLU	24	7.280	-9.701	-21.060	-0.042500
ATOM	389	CD	GLU	24	8.540	-7.987	-20.955	0.805400
ATOM	390	OE1	GLU	24	8.783	-6.943	-20.312	-0.818800
ATOM	391	OE2	GLU	24	8.834	-8.045	-22.176	-0.818800
ATOM	392	C	GLU	24	5.519	-9.879	-17.284	0.536600
ATOM	393	O	GLU	24	4.351	-9.464	-17.257	-0.581900
ATOM	394	N	ALA	25	6.213	-10.171	-16.185	-0.415700
ATOM	395	H	ALA	25	7.147	-10.550	-16.261	0.271900
ATOM	396	CA	ALA	25	5.612	-10.008	-14.865	0.033700
ATOM	397	HA	ALA	25	4.762	-9.329	-14.932	0.082300
ATOM	398	CB	ALA	25	5.140	-11.358	-14.337	-0.182500
ATOM	399	HB1	ALA	25	4.422	-11.790	-15.035	0.060300
ATOM	400	HB2	ALA	25	5.985	-12.038	-14.229	0.060300
ATOM	401	HB3	ALA	25	4.653	-11.233	-13.370	0.060300
ATOM	402	C	ALA	25	6.591	-9.429	-13.853	0.597300
ATOM	403	O	ALA	25	7.826	-9.512	-13.947	-0.567900
ATOM	404	N	ALA	26	5.990	-8.825	-12.829	-0.415700
ATOM	405	H	ALA	26	4.981	-8.794	-12.814	0.271900
ATOM	406	CA	ALA	26	6.713	-8.292	-11.675	0.033700
ATOM	407	HA	ALA	26	7.775	-8.511	-11.783	0.082300
ATOM	408	CB	ALA	26	6.544	-6.786	-11.544	-0.182500
ATOM	409	HB1	ALA	26	6.925	-6.307	-12.446	0.060300
ATOM	410	HB2	ALA	26	5.491	-6.535	-11.418	0.060300
ATOM	411	HB3	ALA	26	7.110	-6.423	-10.687	0.060300
ATOM	412	C	ALA	26	6.211	-9.010	-10.426	0.597300
ATOM	413	O	ALA	26	5.092	-9.537	-10.400	-0.567900
ATOM	414	N	ILE	27	7.056	-9.024	-9.387	-0.415700
ATOM	415	H	ILE	27	7.975	-8.616	-9.479	0.271900
ATOM	416	CA	ILE	27	6.641	-9.586	-8.090	-0.059700
ATOM	417	HA	ILE	27	5.569	-9.779	-8.127	0.086900

ATOM	418	CB	ILE	27	7.319	-10.916	-7.735	0.130300
ATOM	419	HB	ILE	27	7.112	-11.611	-8.548	0.018700
ATOM	420	CG2	ILE	27	8.837	-10.825	-7.568	-0.320400
ATOM	421	1HG2	ILE	27	9.093	-10.232	-6.690	0.088200
ATOM	422	2HG2	ILE	27	9.261	-11.823	-7.457	0.088200
ATOM	423	3HG2	ILE	27	9.282	-10.361	-8.448	0.088200
ATOM	424	CG1	ILE	27	6.768	-11.562	-6.446	-0.043000
ATOM	425	2HG1	ILE	27	7.411	-12.402	-6.182	0.023600
ATOM	426	3HG1	ILE	27	6.785	-10.855	-5.616	0.023600
ATOM	427	CD1	ILE	27	5.378	-12.140	-6.586	-0.066000
ATOM	428	1HD1	ILE	27	5.370	-12.932	-7.335	0.018600
ATOM	429	2HD1	ILE	27	5.060	-12.543	-5.625	0.018600
ATOM	430	3HD1	ILE	27	4.676	-11.362	-6.887	0.018600
ATOM	431	C	ILE	27	6.864	-8.525	-7.013	0.597300
ATOM	432	O	ILE	27	7.931	-7.894	-6.976	-0.567900
ATOM	433	N	VAL	28	5.799	-8.312	-6.223	-0.415700
ATOM	434	H	VAL	28	4.939	-8.814	-6.392	0.271900
ATOM	435	CA	VAL	28	5.875	-7.375	-5.097	-0.087500
ATOM	436	HA	VAL	28	6.679	-6.661	-5.274	0.096900
ATOM	437	CB	VAL	28	4.569	-6.586	-4.939	0.298500
ATOM	438	HB	VAL	28	3.771	-7.289	-4.698	-0.029700
ATOM	439	CG1	VAL	28	4.677	-5.566	-3.793	-0.319200
ATOM	440	1HG1	VAL	28	4.832	-6.072	-2.840	0.079100
ATOM	441	2HG1	VAL	28	5.507	-4.881	-3.968	0.079100
ATOM	442	3HG1	VAL	28	3.753	-4.994	-3.710	0.079100
ATOM	443	CG2	VAL	28	4.152	-5.813	-6.185	-0.319200
ATOM	444	1HG2	VAL	28	3.191	-5.327	-6.011	0.079100
ATOM	445	2HG2	VAL	28	4.892	-5.049	-6.424	0.079100
ATOM	446	3HG2	VAL	28	4.041	-6.492	-7.030	0.079100
ATOM	447	C	VAL	28	6.153	-8.163	-3.816	0.597300
ATOM	448	O	VAL	28	5.453	-9.127	-3.491	-0.567900
ATOM	449	N	ASP	29	7.242	-7.763	-3.137	-0.516300
ATOM	450	H	ASP	29	7.712	-6.919	-3.432	0.293600
ATOM	451	CA	ASP	29	7.613	-8.340	-1.818	0.038100
ATOM	452	HA	ASP	29	8.598	-7.948	-1.562	0.088000
ATOM	453	CB	ASP	29	6.643	-7.786	-0.752	-0.030300
ATOM	454	HB2	ASP	29	5.617	-8.057	-1.002	-0.012200
ATOM	455	HB3	ASP	29	6.886	-8.241	0.208	-0.012200
ATOM	456	CG	ASP	29	6.747	-6.281	-0.566	0.799400
ATOM	457	OD1	ASP	29	7.692	-5.620	-1.053	-0.801400
ATOM	458	OD2	ASP	29	5.833	-5.700	0.085	-0.801400
ATOM	459	C	ASP	29	7.731	-9.875	-1.727	0.536600
ATOM	460	O	ASP	29	7.020	-10.548	-0.982	-0.581900
ATOM	461	N	PRO	30	8.684	-10.459	-2.480	-0.254800
ATOM	462	CD	PRO	30	9.621	-9.741	-3.364	0.019200
ATOM	463	HD2	PRO	30	10.188	-8.979	-2.830	0.039100
ATOM	464	HD3	PRO	30	9.088	-9.308	-4.210	0.039100
ATOM	465	CG	PRO	30	10.553	-10.861	-3.868	0.018900
ATOM	466	HG2	PRO	30	11.339	-11.071	-3.142	0.021300
ATOM	467	HG3	PRO	30	10.979	-10.620	-4.842	0.021300
ATOM	468	CB	PRO	30	9.598	-12.025	-3.944	-0.007000
ATOM	469	HB2	PRO	30	10.114	-12.979	-4.063	0.025300
ATOM	470	HB3	PRO	30	8.934	-11.867	-4.794	0.025300
ATOM	471	CA	PRO	30	8.803	-11.908	-2.643	-0.026600
ATOM	472	HA	PRO	30	7.810	-12.330	-2.794	0.064100
ATOM	473	C	PRO	30	9.478	-12.688	-1.510	0.589600
ATOM	474	O	PRO	30	10.459	-13.427	-1.708	-0.574800
ATOM	475	N	VAL	31	8.942	-12.630	-0.296	-0.415700
ATOM	476	H	VAL	31	8.155	-12.010	-0.170	0.271900
ATOM	477	CA	VAL	31	9.567	-13.250	0.890	-0.087500
ATOM	478	HA	VAL	31	10.598	-12.898	0.931	0.096900
ATOM	479	CB	VAL	31	8.852	-12.713	2.146	0.298500
ATOM	480	HB	VAL	31	8.762	-11.632	2.038	-0.029700
ATOM	481	CG1	VAL	31	7.452	-13.291	2.334	-0.319200
ATOM	482	1HG1	VAL	31	7.508	-14.350	2.585	0.079100
ATOM	483	2HG1	VAL	31	6.958	-12.763	3.150	0.079100
ATOM	484	3HG1	VAL	31	6.858	-13.149	1.431	0.079100
ATOM	485	CG2	VAL	31	9.730	-12.980	3.384	-0.319200
ATOM	486	1HG2	VAL	31	10.725	-12.558	3.239	0.079100
ATOM	487	2HG2	VAL	31	9.279	-12.494	4.248	0.079100

ATOM	488	3HG2 VAL	31	9.808	-14.048	3.589	0.079100
ATOM	489	C VAL	31	9.619	-14.774	0.823	0.597300
ATOM	490	O VAL	31	10.465	-15.390	1.484	-0.567900
ATOM	491	N GLN	32	8.747	-15.436	0.065	-0.415700
ATOM	492	H GLN	32	8.062	-14.910	-0.459	0.271900
ATOM	493	CA GLN	32	8.811	-16.899	-0.090	-0.003100
ATOM	494	HA GLN	32	9.672	-17.317	0.432	0.085000
ATOM	495	CB GLN	32	7.585	-17.588	0.504	-0.003600
ATOM	496	HB2 GLN	32	6.683	-17.127	0.103	0.017100
ATOM	497	HB3 GLN	32	7.578	-18.636	0.201	0.017100
ATOM	498	CG GLN	32	7.532	-17.538	2.024	-0.064500
ATOM	499	HG2 GLN	32	8.510	-17.829	2.409	0.035200
ATOM	500	HG3 GLN	32	7.364	-16.507	2.335	0.035200
ATOM	501	CD GLN	32	6.475	-18.386	2.703	0.695100
ATOM	502	OE1 GLN	32	5.275	-18.284	2.474	-0.608600
ATOM	503	NE2 GLN	32	6.920	-19.276	3.578	-0.940700
ATOM	504	1HE2 GLN	32	6.236	-19.838	4.064	0.425100
ATOM	505	2HE2 GLN	32	7.903	-19.338	3.802	0.425100
ATOM	506	C GLN	32	8.987	-17.150	-1.587	0.597300
ATOM	507	O GLN	32	8.027	-17.362	-2.326	-0.567900
ATOM	508	N PRO	33	10.240	-17.139	-2.057	-0.254800
ATOM	509	CD PRO	33	11.453	-16.939	-1.248	0.019200
ATOM	510	HD2 PRO	33	11.723	-17.867	-0.745	0.039100
ATOM	511	HD3 PRO	33	11.359	-16.113	-0.543	0.039100
ATOM	512	CG PRO	33	12.514	-16.566	-2.240	0.018900
ATOM	513	HG2 PRO	33	13.514	-16.853	-1.913	0.021300
ATOM	514	HG3 PRO	33	12.493	-15.481	-2.345	0.021300
ATOM	515	CB PRO	33	12.085	-17.144	-3.550	-0.007000
ATOM	516	HB2 PRO	33	12.539	-18.130	-3.645	0.025300
ATOM	517	HB3 PRO	33	12.395	-16.514	-4.384	0.025300
ATOM	518	CA PRO	33	10.569	-17.270	-3.463	-0.026600
ATOM	519	HA PRO	33	10.130	-16.413	-3.974	0.064100
ATOM	520	C PRO	33	10.122	-18.524	-4.189	0.589600
ATOM	521	O PRO	33	9.794	-18.377	-5.373	-0.574800
ATOM	522	N GLN	34	10.043	-19.706	-3.568	-0.415700
ATOM	523	H GLN	34	10.206	-19.774	-2.573	0.271900
ATOM	524	CA GLN	34	9.582	-20.865	-4.349	-0.003100
ATOM	525	HA GLN	34	10.126	-20.846	-5.294	0.085000
ATOM	526	CB GLN	34	9.862	-22.210	-3.687	-0.003600
ATOM	527	HB2 GLN	34	10.232	-22.050	-2.674	0.017100
ATOM	528	HB3 GLN	34	8.930	-22.769	-3.605	0.017100
ATOM	529	CG GLN	34	10.870	-23.077	-4.442	-0.064500
ATOM	530	HG2 GLN	34	11.834	-22.568	-4.433	0.035200
ATOM	531	HG3 GLN	34	10.970	-24.031	-3.923	0.035200
ATOM	532	CD GLN	34	10.495	-23.345	-5.888	0.695100
ATOM	533	OE1 GLN	34	11.246	-23.043	-6.813	-0.608600
ATOM	534	NE2 GLN	34	9.329	-23.918	-6.119	-0.940700
ATOM	535	1HE2 GLN	34	8.878	-23.853	-7.020	0.425100
ATOM	536	2HE2 GLN	34	8.735	-24.176	-5.343	0.425100
ATOM	537	C GLN	34	8.110	-20.730	-4.728	0.597300
ATOM	538	O GLN	34	7.721	-21.123	-5.835	-0.567900
ATOM	539	N LYS	35	7.303	-20.094	-3.868	-0.347900
ATOM	540	H LYS	35	7.675	-19.745	-2.997	0.274700
ATOM	541	CA LYS	35	5.904	-19.853	-4.209	-0.240000
ATOM	542	HA LYS	35	5.458	-20.790	-4.544	0.142600
ATOM	543	CB LYS	35	5.086	-19.328	-3.022	-0.009400
ATOM	544	HB2 LYS	35	5.511	-18.379	-2.693	0.036200
ATOM	545	HB3 LYS	35	4.059	-19.144	-3.336	0.036200
ATOM	546	CG LYS	35	5.082	-20.285	-1.837	0.018700
ATOM	547	HG2 LYS	35	4.657	-21.236	-2.158	0.010300
ATOM	548	HG3 LYS	35	6.116	-20.443	-1.530	0.010300
ATOM	549	CD LYS	35	4.299	-19.766	-0.633	-0.047900
ATOM	550	HD2 LYS	35	4.777	-18.869	-0.237	0.062100
ATOM	551	HD3 LYS	35	3.283	-19.517	-0.941	0.062100
ATOM	552	CE LYS	35	4.261	-20.858	0.440	-0.014300
ATOM	553	HE2 LYS	35	3.811	-21.756	0.016	0.113500
ATOM	554	HE3 LYS	35	5.283	-21.105	0.725	0.113500
ATOM	555	NZ LYS	35	3.497	-20.443	1.644	-0.385400
ATOM	556	HZ1 LYS	35	3.446	-21.204	2.305	0.340000
ATOM	557	HZ2 LYS	35	3.941	-19.659	2.100	0.340000

ATOM	558	HZ3	LYS	35	2.552	-20.186	1.399	0.340000
ATOM	559	C	LYS	35	5.823	-18.885	-5.386	0.734100
ATOM	560	O	LYS	35	4.920	-19.009	-6.211	-0.589400
ATOM	561	N	VAL	36	6.742	-17.927	-5.473	-0.415700
ATOM	562	H	VAL	36	7.445	-17.869	-4.750	0.271900
ATOM	563	CA	VAL	36	6.772	-16.971	-6.577	-0.087500
ATOM	564	HA	VAL	36	5.785	-16.520	-6.682	0.096900
ATOM	565	CB	VAL	36	7.782	-15.849	-6.312	0.298500
ATOM	566	HB	VAL	36	8.765	-16.274	-6.109	-0.029700
ATOM	567	CG1	VAL	36	7.937	-14.900	-7.498	-0.319200
ATOM	568	1HG1	VAL	36	8.361	-15.428	-8.352	0.079100
ATOM	569	2HG1	VAL	36	6.969	-14.485	-7.780	0.079100
ATOM	570	3HG1	VAL	36	8.623	-14.094	-7.236	0.079100
ATOM	571	CG2	VAL	36	7.359	-15.029	-5.086	-0.319200
ATOM	572	1HG2	VAL	36	7.316	-15.664	-4.201	0.079100
ATOM	573	2HG2	VAL	36	8.092	-14.247	-4.889	0.079100
ATOM	574	3HG2	VAL	36	6.378	-14.580	-5.248	0.079100
ATOM	575	C	VAL	36	7.082	-17.679	-7.890	0.597300
ATOM	576	O	VAL	36	6.366	-17.483	-8.876	-0.567900
ATOM	577	N	VAL	37	8.141	-18.496	-7.877	-0.415700
ATOM	578	H	VAL	37	8.699	-18.592	-7.040	0.271900
ATOM	579	CA	VAL	37	8.475	-19.261	-9.084	-0.087500
ATOM	580	HA	VAL	37	8.549	-18.563	-9.918	0.096900
ATOM	581	CB	VAL	37	9.835	-19.955	-8.960	0.298500
ATOM	582	HB	VAL	37	9.822	-20.635	-8.108	-0.029700
ATOM	583	CG1	VAL	37	10.131	-20.759	-10.230	-0.319200
ATOM	584	1HG1	VAL	37	9.481	-21.634	-10.253	0.079100
ATOM	585	2HG1	VAL	37	9.974	-20.152	-11.121	0.079100
ATOM	586	3HG1	VAL	37	11.163	-21.109	-10.212	0.079100
ATOM	587	CG2	VAL	37	10.976	-18.964	-8.773	-0.319200
ATOM	588	1HG2	VAL	37	11.925	-19.496	-8.700	0.079100
ATOM	589	2HG2	VAL	37	11.017	-18.280	-9.620	0.079100
ATOM	590	3HG2	VAL	37	10.837	-18.393	-7.855	0.079100
ATOM	591	C	VAL	37	7.364	-20.243	-9.449	0.597300
ATOM	592	O	VAL	37	7.016	-20.357	-10.632	-0.567900
ATOM	593	N	ASP	38	6.748	-20.962	-8.512	-0.516300
ATOM	594	H	ASP	38	7.093	-20.922	-7.564	0.293600
ATOM	595	CA	ASP	38	5.629	-21.849	-8.812	0.038100
ATOM	596	HA	ASP	38	5.964	-22.598	-9.529	0.088000
ATOM	597	CB	ASP	38	5.104	-22.577	-7.573	-0.030300
ATOM	598	HB2	ASP	38	4.919	-21.842	-6.790	-0.012200
ATOM	599	HB3	ASP	38	4.144	-23.030	-7.822	-0.012200
ATOM	600	CG	ASP	38	5.985	-23.676	-7.011	0.799400
ATOM	601	OD1	ASP	38	7.066	-23.972	-7.565	-0.801400
ATOM	602	OD2	ASP	38	5.584	-24.266	-5.980	-0.801400
ATOM	603	C	ASP	38	4.494	-21.065	-9.474	0.536600
ATOM	604	O	ASP	38	3.930	-21.504	-10.481	-0.581900
ATOM	605	N	ALA	39	4.113	-19.899	-8.939	-0.415700
ATOM	606	H	ALA	39	4.582	-19.556	-8.113	0.271900
ATOM	607	CA	ALA	39	3.029	-19.107	-9.525	0.033700
ATOM	608	HA	ALA	39	2.141	-19.734	-9.598	0.082300
ATOM	609	CB	ALA	39	2.718	-17.922	-8.600	-0.182500
ATOM	610	HB1	ALA	39	2.448	-18.283	-7.607	0.060300
ATOM	611	HB2	ALA	39	3.591	-17.275	-8.511	0.060300
ATOM	612	HB3	ALA	39	1.887	-17.343	-9.001	0.060300
ATOM	613	C	ALA	39	3.336	-18.578	-10.925	0.597300
ATOM	614	O	ALA	39	2.436	-18.501	-11.783	-0.567900
ATOM	615	N	ALA	40	4.581	-18.181	-11.179	-0.415700
ATOM	616	H	ALA	40	5.272	-18.202	-10.443	0.271900
ATOM	617	CA	ALA	40	4.965	-17.711	-12.505	0.033700
ATOM	618	HA	ALA	40	4.250	-16.954	-12.829	0.082300
ATOM	619	CB	ALA	40	6.351	-17.083	-12.514	-0.182500
ATOM	620	HB1	ALA	40	7.089	-17.811	-12.176	0.060300
ATOM	621	HB2	ALA	40	6.609	-16.761	-13.523	0.060300
ATOM	622	HB3	ALA	40	6.371	-16.222	-11.846	0.060300
ATOM	623	C	ALA	40	4.907	-18.873	-13.505	0.597300
ATOM	624	O	ALA	40	4.498	-18.661	-14.644	-0.567900
ATOM	625	N	ARG	41	5.285	-20.080	-13.092	-0.347900
ATOM	626	H	ARG	41	5.702	-20.175	-12.177	0.274700
ATOM	627	CA	ARG	41	5.192	-21.250	-13.977	-0.263700

ATOM	628	HA	ARG	41	5.598	-20.981	-14.952	0.156000
ATOM	629	CB	ARG	41	6.051	-22.383	-13.394	-0.000700
ATOM	630	HB2	ARG	41	5.866	-22.477	-12.324	0.032700
ATOM	631	HB3	ARG	41	5.807	-23.330	-13.875	0.032700
ATOM	632	CG	ARG	41	7.524	-22.060	-13.655	0.039000
ATOM	633	HG2	ARG	41	7.740	-22.249	-14.707	0.028500
ATOM	634	HG3	ARG	41	7.705	-21.002	-13.469	0.028500
ATOM	635	CD	ARG	41	8.519	-22.823	-12.808	0.048600
ATOM	636	HD2	ARG	41	8.326	-22.595	-11.760	0.068700
ATOM	637	HD3	ARG	41	8.371	-23.891	-12.964	0.068700
ATOM	638	NE	ARG	41	9.896	-22.460	-13.178	-0.529500
ATOM	639	HE	ARG	41	10.028	-21.708	-13.840	0.345600
ATOM	640	CZ	ARG	41	10.999	-22.887	-12.586	0.807600
ATOM	641	NH1	ARG	41	10.955	-23.698	-11.544	-0.862700
ATOM	642	1HH1	ARG	41	10.058	-23.948	-11.152	0.447800
ATOM	643	2HH1	ARG	41	11.820	-23.922	-11.073	0.447800
ATOM	644	NH2	ARG	41	12.177	-22.485	-13.023	-0.862700
ATOM	645	1HH2	ARG	41	12.241	-21.849	-13.805	0.447800
ATOM	646	2HH2	ARG	41	13.005	-22.771	-12.520	0.447800
ATOM	647	C	ARG	41	3.751	-21.660	-14.232	0.734100
ATOM	648	O	ARG	41	3.385	-22.009	-15.362	-0.589400
ATOM	649	N	LYS	42	2.877	-21.550	-13.231	-0.347900
ATOM	650	H	LYS	42	3.234	-21.319	-12.315	0.274700
ATOM	651	CA	LYS	42	1.456	-21.840	-13.397	-0.240000
ATOM	652	HA	LYS	42	1.345	-22.869	-13.740	0.142600
ATOM	653	CB	LYS	42	0.708	-21.676	-12.065	-0.009400
ATOM	654	HB2	LYS	42	1.135	-22.371	-11.342	0.036200
ATOM	655	HB3	LYS	42	0.849	-20.664	-11.687	0.036200
ATOM	656	CG	LYS	42	-0.782	-21.961	-12.192	0.018700
ATOM	657	HG2	LYS	42	-1.251	-21.246	-12.868	0.010300
ATOM	658	HG3	LYS	42	-0.899	-22.959	-12.615	0.010300
ATOM	659	CD	LYS	42	-1.515	-21.924	-10.860	-0.047900
ATOM	660	HD2	LYS	42	-2.471	-22.425	-11.011	0.062100
ATOM	661	HD3	LYS	42	-0.970	-22.477	-10.095	0.062100
ATOM	662	CE	LYS	42	-1.762	-20.491	-10.407	-0.014300
ATOM	663	HE2	LYS	42	-0.946	-20.170	-9.760	0.113500
ATOM	664	HE3	LYS	42	-1.780	-19.862	-11.297	0.113500
ATOM	665	NZ	LYS	42	-3.074	-20.356	-9.718	-0.385400
ATOM	666	HZ1	LYS	42	-3.814	-20.802	-10.242	0.340000
ATOM	667	HZ2	LYS	42	-3.035	-20.777	-8.801	0.340000
ATOM	668	HZ3	LYS	42	-3.352	-19.391	-9.608	0.340000
ATOM	669	C	LYS	42	0.812	-20.948	-14.453	0.734100
ATOM	670	O	LYS	42	-0.008	-21.419	-15.241	-0.589400
ATOM	671	N	HIP	43	1.153	-19.661	-14.456	-0.347900
ATOM	672	H	HIP	43	1.818	-19.354	-13.761	0.274700
ATOM	673	CA	HIP	43	0.594	-18.683	-15.381	-0.135400
ATOM	674	HA	HIP	43	-0.398	-19.005	-15.698	0.121200
ATOM	675	CB	HIP	43	0.462	-17.307	-14.703	-0.041400
ATOM	676	HB2	HIP	43	1.399	-17.042	-14.214	0.081000
ATOM	677	HB3	HIP	43	0.262	-16.543	-15.453	0.081000
ATOM	678	CG	HIP	43	-0.663	-17.243	-13.714	-0.001200
ATOM	679	ND1	HIP	43	-0.511	-17.406	-12.362	-0.151300
ATOM	680	HD1	HIP	43	0.367	-17.586	-11.896	0.386600
ATOM	681	CE1	HIP	43	-1.704	-17.318	-11.771	-0.017000
ATOM	682	HE1	HIP	43	-1.900	-17.378	-10.711	0.268100
ATOM	683	NE2	HIP	43	-2.620	-17.103	-12.714	-0.171800
ATOM	684	HE2	HIP	43	-3.615	-17.009	-12.571	0.391100
ATOM	685	CD2	HIP	43	-1.995	-17.058	-13.942	-0.114100
ATOM	686	HD2	HIP	43	-2.469	-16.931	-14.904	0.231700
ATOM	687	C	HIP	43	1.395	-18.527	-16.665	0.734100
ATOM	688	O	HIP	43	1.040	-17.696	-17.500	-0.589400
ATOM	689	N	GLY	44	2.485	-19.273	-16.828	-0.415700
ATOM	690	H	GLY	44	2.732	-19.942	-16.113	0.271900
ATOM	691	CA	GLY	44	3.340	-19.204	-18.004	-0.025200
ATOM	692	HA2	GLY	44	4.194	-19.865	-17.859	0.069800
ATOM	693	HA3	GLY	44	2.780	-19.546	-18.874	0.069800
ATOM	694	C	GLY	44	3.873	-17.812	-18.313	0.597300
ATOM	695	O	GLY	44	3.920	-17.383	-19.468	-0.567900
ATOM	696	N	VAL	45	4.323	-17.093	-17.284	-0.415700
ATOM	697	H	VAL	45	4.377	-17.528	-16.373	0.271900

ATOM	698	CA	VAL	45	4.802	-15.717	-17.440	-0.087500
ATOM	699	HA	VAL	45	4.651	-15.377	-18.465	0.096900
ATOM	700	CB	VAL	45	4.047	-14.729	-16.530	0.298500
ATOM	701	HB	VAL	45	4.510	-13.746	-16.608	-0.029700
ATOM	702	CG1	VAL	45	2.589	-14.600	-16.963	-0.319200
ATOM	703	1HG1	VAL	45	2.078	-15.559	-16.877	0.079100
ATOM	704	2HG1	VAL	45	2.081	-13.869	-16.334	0.079100
ATOM	705	3HG1	VAL	45	2.539	-14.260	-17.998	0.079100
ATOM	706	CG2	VAL	45	4.095	-15.173	-15.069	-0.319200
ATOM	707	1HG2	VAL	45	5.130	-15.269	-14.738	0.079100
ATOM	708	2HG2	VAL	45	3.605	-14.422	-14.450	0.079100
ATOM	709	3HG2	VAL	45	3.582	-16.127	-14.942	0.079100
ATOM	710	C	VAL	45	6.299	-15.635	-17.175	0.597300
ATOM	711	O	VAL	45	6.871	-16.510	-16.523	-0.567900
ATOM	712	N	LYS	46	6.935	-14.592	-17.697	-0.347900
ATOM	713	H	LYS	46	6.406	-13.907	-18.218	0.274700
ATOM	714	CA	LYS	46	8.370	-14.389	-17.495	-0.240000
ATOM	715	HA	LYS	46	8.853	-15.317	-17.188	0.142600
ATOM	716	CB	LYS	46	8.971	-13.953	-18.831	-0.009400
ATOM	717	HB2	LYS	46	8.866	-14.760	-19.556	0.036200
ATOM	718	HB3	LYS	46	8.386	-13.110	-19.201	0.036200
ATOM	719	CG	LYS	46	10.442	-13.544	-18.753	0.018700
ATOM	720	HG2	LYS	46	10.716	-13.170	-17.767	0.010300
ATOM	721	HG3	LYS	46	11.063	-14.415	-18.965	0.010300
ATOM	722	CD	LYS	46	10.736	-12.439	-19.761	-0.047900
ATOM	723	HD2	LYS	46	10.477	-12.782	-20.762	0.062100
ATOM	724	HD3	LYS	46	10.133	-11.565	-19.513	0.062100
ATOM	725	CE	LYS	46	12.211	-12.050	-19.725	-0.014300
ATOM	726	HE2	LYS	46	12.484	-11.717	-18.723	0.113500
ATOM	727	HE3	LYS	46	12.813	-12.930	-19.949	0.113500
ATOM	728	NZ	LYS	46	12.493	-10.988	-20.725	-0.385400
ATOM	729	HZ1	LYS	46	11.949	-10.149	-20.579	0.340000
ATOM	730	HZ2	LYS	46	13.469	-10.729	-20.700	0.340000
ATOM	731	HZ3	LYS	46	12.313	-11.307	-21.666	0.340000
ATOM	732	C	LYS	46	8.624	-13.331	-16.419	0.734100
ATOM	733	O	LYS	46	8.388	-12.151	-16.685	-0.589400
ATOM	734	N	LEU	47	9.174	-13.741	-15.281	-0.415700
ATOM	735	H	LEU	47	9.344	-14.725	-15.131	0.271900
ATOM	736	CA	LEU	47	9.455	-12.802	-14.188	-0.051800
ATOM	737	HA	LEU	47	8.588	-12.151	-14.072	0.092200
ATOM	738	CB	LEU	47	9.636	-13.618	-12.901	-0.110200
ATOM	739	HB2	LEU	47	8.839	-14.359	-12.845	0.045700
ATOM	740	HB3	LEU	47	10.586	-14.147	-12.970	0.045700
ATOM	741	CG	LEU	47	9.632	-12.865	-11.571	0.353100
ATOM	742	HG	LEU	47	10.366	-12.061	-11.613	-0.036100
ATOM	743	CD1	LEU	47	8.256	-12.269	-11.290	-0.412100
ATOM	744	1HD1	LEU	47	7.953	-11.595	-12.091	0.100000
ATOM	745	2HD1	LEU	47	7.513	-13.058	-11.173	0.100000
ATOM	746	3HD1	LEU	47	8.316	-11.681	-10.374	0.100000
ATOM	747	CD2	LEU	47	10.007	-13.823	-10.440	-0.412100
ATOM	748	1HD2	LEU	47	9.969	-13.296	-9.486	0.100000
ATOM	749	2HD2	LEU	47	9.319	-14.667	-10.420	0.100000
ATOM	750	3HD2	LEU	47	11.020	-14.195	-10.595	0.100000
ATOM	751	C	LEU	47	10.664	-11.933	-14.523	0.597300
ATOM	752	O	LEU	47	11.749	-12.470	-14.798	-0.567900
ATOM	753	N	THR	48	10.499	-10.617	-14.610	-0.415700
ATOM	754	H	THR	48	9.572	-10.227	-14.512	0.271900
ATOM	755	CA	THR	48	11.600	-9.712	-14.952	-0.038900
ATOM	756	HA	THR	48	12.505	-10.264	-15.207	0.100700
ATOM	757	CB	THR	48	11.288	-8.800	-16.155	0.365400
ATOM	758	HB	THR	48	12.167	-8.190	-16.368	0.004300
ATOM	759	CG2	THR	48	10.933	-9.564	-17.421	-0.243800
ATOM	760	1HG2	THR	48	11.716	-10.298	-17.612	0.064200
ATOM	761	2HG2	THR	48	9.975	-10.069	-17.299	0.064200
ATOM	762	3HG2	THR	48	10.869	-8.873	-18.262	0.064200
ATOM	763	OG1	THR	48	10.206	-7.934	-15.818	-0.676100
ATOM	764	HG1	THR	48	9.980	-7.424	-16.599	0.410200
ATOM	765	C	THR	48	11.970	-8.721	-13.854	0.597300
ATOM	766	O	THR	48	13.082	-8.187	-13.839	-0.567900
ATOM	767	N	THR	49	11.038	-8.471	-12.925	-0.415700

ATOM	768	H	THR	49	10.145	-8.938	-12.994	0.271900
ATOM	769	CA	THR	49	11.164	-7.333	-12.010	-0.038900
ATOM	770	HA	THR	49	12.191	-6.970	-11.981	0.100700
ATOM	771	CB	THR	49	10.267	-6.219	-12.606	0.365400
ATOM	772	HB	THR	49	9.239	-6.579	-12.617	0.004300
ATOM	773	CG2	THR	49	10.296	-4.891	-11.859	-0.243800
ATOM	774	1HG2	THR	49	11.320	-4.522	-11.808	0.064200
ATOM	775	2HG2	THR	49	9.683	-4.159	-12.384	0.064200
ATOM	776	3HG2	THR	49	9.896	-5.012	-10.852	0.064200
ATOM	777	OG1	THR	49	10.642	-5.924	-13.957	-0.676100
ATOM	778	HG1	THR	49	10.470	-6.706	-14.487	0.410200
ATOM	779	C	THR	49	10.702	-7.615	-10.589	0.597300
ATOM	780	O	THR	49	9.682	-8.272	-10.421	-0.567900
ATOM	781	N	VAL	50	11.428	-7.103	-9.593	-0.415700
ATOM	782	H	VAL	50	12.267	-6.589	-9.823	0.271900
ATOM	783	CA	VAL	50	11.031	-7.171	-8.185	-0.087500
ATOM	784	HA	VAL	50	10.128	-7.773	-8.085	0.096900
ATOM	785	CB	VAL	50	12.110	-7.777	-7.272	0.298500
ATOM	786	HB	VAL	50	13.025	-7.187	-7.330	-0.029700
ATOM	787	CG1	VAL	50	11.622	-7.756	-5.813	-0.319200
ATOM	788	1HG1	VAL	50	12.325	-8.294	-5.177	0.079100
ATOM	789	2HG1	VAL	50	11.563	-6.735	-5.436	0.079100
ATOM	790	3HG1	VAL	50	10.643	-8.228	-5.738	0.079100
ATOM	791	CG2	VAL	50	12.454	-9.211	-7.660	-0.319200
ATOM	792	1HG2	VAL	50	11.561	-9.832	-7.602	0.079100
ATOM	793	2HG2	VAL	50	12.845	-9.239	-8.678	0.079100
ATOM	794	3HG2	VAL	50	13.217	-9.603	-6.987	0.079100
ATOM	795	C	VAL	50	10.733	-5.752	-7.726	0.597300
ATOM	796	O	VAL	50	11.523	-4.840	-7.925	-0.567900
ATOM	797	N	LEU	51	9.548	-5.552	-7.134	-0.415700
ATOM	798	H	LEU	51	8.938	-6.342	-6.981	0.271900
ATOM	799	CA	LEU	51	9.150	-4.257	-6.568	-0.051800
ATOM	800	HA	LEU	51	9.891	-3.492	-6.802	0.092200
ATOM	801	CB	LEU	51	7.790	-3.788	-7.109	-0.110200
ATOM	802	HB2	LEU	51	7.043	-4.514	-6.787	0.045700
ATOM	803	HB3	LEU	51	7.540	-2.826	-6.660	0.045700
ATOM	804	CG	LEU	51	7.694	-3.660	-8.649	0.353100
ATOM	805	HG	LEU	51	7.971	-4.609	-9.108	-0.036100
ATOM	806	CD1	LEU	51	6.249	-3.374	-9.043	-0.412100
ATOM	807	1HD1	LEU	51	5.606	-4.187	-8.709	0.100000
ATOM	808	2HD1	LEU	51	5.922	-2.440	-8.585	0.100000
ATOM	809	3HD1	LEU	51	6.178	-3.292	-10.128	0.100000
ATOM	810	CD2	LEU	51	8.643	-2.587	-9.172	-0.412100
ATOM	811	1HD2	LEU	51	9.676	-2.889	-8.997	0.100000
ATOM	812	2HD2	LEU	51	8.501	-2.478	-10.247	0.100000
ATOM	813	3HD2	LEU	51	8.448	-1.633	-8.681	0.100000
ATOM	814	C	LEU	51	9.090	-4.401	-5.038	0.597300
ATOM	815	O	LEU	51	8.243	-5.143	-4.537	-0.567900
ATOM	816	N	THR	52	10.025	-3.748	-4.328	-0.415700
ATOM	817	H	THR	52	10.727	-3.189	-4.792	0.271900
ATOM	818	CA	THR	52	10.089	-3.935	-2.866	-0.038900
ATOM	819	HA	THR	52	9.518	-4.811	-2.560	0.100700
ATOM	820	CB	THR	52	11.548	-4.140	-2.412	0.365400
ATOM	821	HB	THR	52	12.081	-3.190	-2.444	0.004300
ATOM	822	CG2	THR	52	11.585	-4.711	-1.002	-0.243800
ATOM	823	1HG2	THR	52	11.164	-3.994	-0.297	0.064200
ATOM	824	2HG2	THR	52	11.010	-5.636	-0.956	0.064200
ATOM	825	3HG2	THR	52	12.617	-4.913	-0.715	0.064200
ATOM	826	OG1	THR	52	12.229	-5.063	-3.273	-0.676100
ATOM	827	HG1	THR	52	12.366	-4.585	-4.094	0.410200
ATOM	828	C	THR	52	9.537	-2.698	-2.170	0.597300
ATOM	829	O	THR	52	10.038	-1.576	-2.341	-0.567900
ATOM	830	N	THR	53	8.481	-2.936	-1.367	-0.415700
ATOM	831	H	THR	53	8.118	-3.871	-1.247	0.271900
ATOM	832	CA	THR	53	7.851	-1.780	-0.702	-0.038900
ATOM	833	HA	THR	53	7.720	-0.986	-1.438	0.100700
ATOM	834	CB	THR	53	6.448	-2.086	-0.122	0.365400
ATOM	835	HB	THR	53	6.070	-1.181	0.353	0.004300
ATOM	836	CG2	THR	53	5.468	-2.489	-1.247	-0.243800
ATOM	837	1HG2	THR	53	4.489	-2.703	-0.818	0.064200

ATOM	838	2HG2 THR	53	5.368	-1.673	-1.962	0.064200
ATOM	839	3HG2 THR	53	5.827	-3.380	-1.762	0.064200
ATOM	840	OG1 THR	53	6.501	-3.116	0.862	-0.676100
ATOM	841	HG1 THR	53	6.339	-3.966	0.444	0.410200
ATOM	842	C THR	53	8.696	-1.187	0.419	0.597300
ATOM	843	O THR	53	8.746	0.033	0.583	-0.567900
ATOM	844	N HID	54	9.407	-2.017	1.181	-0.415700
ATOM	845	H HID	54	9.314	-3.013	1.046	0.271900
ATOM	846	CA HID	54	10.246	-1.543	2.287	0.203735
ATOM	847	HA HID	54	10.883	-0.744	1.908	0.088100
ATOM	848	CB HID	54	9.405	-0.941	3.426	-0.461424
ATOM	849	HB2 HID	54	10.065	-0.563	4.207	0.154705
ATOM	850	HB3 HID	54	8.845	-0.083	3.056	0.139295
ATOM	851	CG HID	54	8.465	-1.814	4.167	0.374320
ATOM	852	ND1 HID	54	7.382	-2.466	3.626	-0.374404
ATOM	853	HD1 HID	54	7.124	-2.540	2.652	0.357473
ATOM	854	CE1 HID	54	6.729	-3.097	4.615	0.063936
ATOM	855	HE1 HID	54	5.842	-3.701	4.489	0.129701
ATOM	856	NE2 HID	54	7.342	-2.903	5.781	-0.127640
ATOM	857	CD2 HID	54	8.419	-2.091	5.509	-0.376957
ATOM	858	HD2 HID	54	9.117	-1.737	6.253	0.188047
ATOM	859	C HID	54	11.186	-2.669	2.713	0.597300
ATOM	860	O HID	54	11.083	-3.818	2.295	-0.567900
ATOM	861	N HID	55	12.122	-2.278	3.597	-0.415700
ATOM	862	H HID	55	12.147	-1.313	3.893	0.271900
ATOM	863	CA HID	55	13.211	-3.186	3.979	0.018800
ATOM	864	HA HID	55	13.530	-3.715	3.081	0.088100
ATOM	865	CB HID	55	14.412	-2.375	4.491	-0.046200
ATOM	866	HB2 HID	55	15.307	-2.991	4.403	0.040200
ATOM	867	HB3 HID	55	14.561	-1.499	3.860	0.040200
ATOM	868	CG HID	55	14.298	-1.936	5.920	-0.026600
ATOM	869	ND1 HID	55	13.555	-0.869	6.347	-0.381100
ATOM	870	HD1 HID	55	13.006	-0.267	5.750	0.364900
ATOM	871	CE1 HID	55	13.679	-0.746	7.672	0.205700
ATOM	872	HE1 HID	55	13.211	0.005	8.291	0.139200
ATOM	873	NE2 HID	55	14.487	-1.710	8.099	-0.572700
ATOM	874	CD2 HID	55	14.880	-2.481	7.026	0.129200
ATOM	875	HD2 HID	55	15.534	-3.341	7.053	0.114700
ATOM	876	C HID	55	12.910	-4.264	5.012	0.597300
ATOM	877	O HID	55	13.738	-5.182	5.199	-0.567900
ATOM	878	N HIE	56	11.804	-4.151	5.745	-0.415700
ATOM	879	H HIE	56	11.118	-3.444	5.524	0.271900
ATOM	880	CA HIE	56	11.471	-5.168	6.747	0.126835
ATOM	881	HA HIE	56	12.218	-5.098	7.537	0.136000
ATOM	882	CB HIE	56	10.094	-4.896	7.365	-0.476674
ATOM	883	HB2 HIE	56	9.359	-4.772	6.570	0.099593
ATOM	884	HB3 HIE	56	9.775	-5.754	7.957	0.198267
ATOM	885	CG HIE	56	10.071	-3.689	8.259	0.312612
ATOM	886	ND1 HIE	56	8.898	-3.048	8.584	-0.197779
ATOM	887	CE1 HIE	56	9.173	-2.033	9.388	-0.188103
ATOM	888	HE1 HIE	56	8.439	-1.376	9.831	0.201373
ATOM	889	NE2 HIE	56	10.486	-2.029	9.618	-0.043283
ATOM	890	HE2 HIE	56	10.918	-1.517	10.373	0.299786
ATOM	891	CD2 HIE	56	11.084	-3.042	8.903	-0.346313
ATOM	892	HD2 HIE	56	12.137	-3.277	8.854	0.212075
ATOM	893	C HIE	56	11.550	-6.571	6.157	0.597300
ATOM	894	O HIE	56	11.147	-6.810	5.009	-0.567900
ATOM	895	N TRP	57	12.096	-7.516	6.919	-0.415700
ATOM	896	H TRP	57	12.284	-7.294	7.886	0.271900
ATOM	897	CA TRP	57	12.356	-8.883	6.465	-0.027500
ATOM	898	HA TRP	57	13.116	-8.841	5.685	0.112300
ATOM	899	CB TRP	57	12.916	-9.739	7.630	-0.005000
ATOM	900	HB2 TRP	57	13.822	-9.273	8.017	0.033900
ATOM	901	HB3 TRP	57	12.181	-9.788	8.433	0.033900
ATOM	902	CG TRP	57	13.236	-11.130	7.164	-0.141500
ATOM	903	CD1 TRP	57	14.367	-11.547	6.527	-0.163800
ATOM	904	HD1 TRP	57	15.203	-10.912	6.273	0.206200
ATOM	905	NE1 TRP	57	14.264	-12.887	6.237	-0.341800
ATOM	906	HE1 TRP	57	14.963	-13.423	5.743	0.341200
ATOM	907	CE2 TRP	57	13.048	-13.362	6.645	0.138000

ATOM	908	CZ2 TRP	57	12.478	-14.625	6.565	-0.260100
ATOM	909	HZ2 TRP	57	13.012	-15.441	6.100	0.157200
ATOM	910	CH2 TRP	57	11.208	-14.805	7.085	-0.113400
ATOM	911	HH2 TRP	57	10.745	-15.779	7.027	0.141700
ATOM	912	CZ3 TRP	57	10.508	-13.744	7.671	-0.197200
ATOM	913	HZ3 TRP	57	9.513	-13.907	8.058	0.144700
ATOM	914	CE3 TRP	57	11.073	-12.476	7.740	-0.238700
ATOM	915	HE3 TRP	57	10.521	-11.658	8.179	0.170000
ATOM	916	CD2 TRP	57	12.369	-12.269	7.234	0.124300
ATOM	917	C TRP	57	11.155	-9.589	5.860	0.597300
ATOM	918	O TRP	57	11.301	-10.330	4.867	-0.567900
ATOM	919	N ASP	58	9.954	-9.350	6.413	-0.516300
ATOM	920	H ASP	58	9.837	-8.632	7.114	0.293600
ATOM	921	CA ASP	58	8.748	-10.019	5.925	0.223035
ATOM	922	HA ASP	58	8.966	-11.084	5.841	0.088000
ATOM	923	CB ASP	58	7.569	-9.897	6.887	-0.504955
ATOM	924	HB2 ASP	58	6.698	-10.383	6.448	0.119179
ATOM	925	HB3 ASP	58	7.820	-10.467	7.782	0.125075
ATOM	926	CG ASP	58	7.206	-8.474	7.323	0.892367
ATOM	927	OD1 ASP	58	8.106	-7.722	7.754	-0.723381
ATOM	928	OD2 ASP	58	5.992	-8.153	7.287	-0.718978
ATOM	929	C ASP	58	8.364	-9.541	4.517	0.536600
ATOM	930	O ASP	58	7.520	-10.206	3.923	-0.581900
ATOM	931	N HID	59	9.002	-8.489	4.007	-0.415700
ATOM	932	H HID	59	9.623	-7.972	4.613	0.271900
ATOM	933	CA HID	59	8.778	-7.968	2.661	0.203735
ATOM	934	HA HID	59	7.936	-8.490	2.207	0.088100
ATOM	935	CB HID	59	8.423	-6.457	2.714	-0.461350
ATOM	936	HB2 HID	59	9.230	-5.899	3.188	0.154281
ATOM	937	HB3 HID	59	8.283	-6.070	1.705	0.116066
ATOM	938	CG HID	59	7.164	-6.263	3.507	0.292092
ATOM	939	ND1 HID	59	5.896	-6.171	2.962	-0.315029
ATOM	940	HD1 HID	59	5.676	-6.137	1.977	0.336576
ATOM	941	CE1 HID	59	5.005	-6.097	3.969	-0.017835
ATOM	942	HE1 HID	59	3.933	-6.018	3.861	0.181651
ATOM	943	NE2 HID	59	5.633	-6.145	5.139	-0.143424
ATOM	944	CD2 HID	59	6.974	-6.241	4.858	-0.223043
ATOM	945	HD2 HID	59	7.747	-6.292	5.611	0.159743
ATOM	946	C HID	59	9.978	-8.164	1.744	0.597300
ATOM	947	O HID	59	9.833	-8.582	0.591	-0.567900
ATOM	948	N ALA	60	11.194	-7.915	2.223	-0.415700
ATOM	949	H ALA	60	11.251	-7.532	3.156	0.271900
ATOM	950	CA ALA	60	12.409	-7.967	1.415	0.033700
ATOM	951	HA ALA	60	12.172	-7.920	0.352	0.082300
ATOM	952	CB ALA	60	13.219	-6.723	1.793	-0.182500
ATOM	953	HB1 ALA	60	12.658	-5.827	1.525	0.060300
ATOM	954	HB2 ALA	60	13.367	-6.724	2.872	0.060300
ATOM	955	HB3 ALA	60	14.175	-6.711	1.269	0.060300
ATOM	956	C ALA	60	13.301	-9.171	1.654	0.597300
ATOM	957	O ALA	60	14.267	-9.310	0.909	-0.567900
ATOM	958	N GLY	61	12.969	-10.020	2.611	-0.415700
ATOM	959	H GLY	61	12.127	-9.847	3.142	0.271900
ATOM	960	CA GLY	61	13.815	-11.114	3.053	-0.025200
ATOM	961	HA2 GLY	61	14.795	-10.716	3.318	0.069800
ATOM	962	HA3 GLY	61	13.369	-11.545	3.949	0.069800
ATOM	963	C GLY	61	14.017	-12.234	2.070	0.597300
ATOM	964	O GLY	61	14.872	-13.060	2.337	-0.567900
ATOM	965	N GLY	62	13.290	-12.299	0.973	-0.415700
ATOM	966	H GLY	62	12.593	-11.588	0.805	0.271900
ATOM	967	CA GLY	62	13.425	-13.372	-0.015	-0.025200
ATOM	968	HA2 GLY	62	13.862	-14.278	0.403	0.069800
ATOM	969	HA3 GLY	62	12.426	-13.645	-0.354	0.069800
ATOM	970	C GLY	62	14.199	-12.903	-1.232	0.597300
ATOM	971	O GLY	62	14.453	-13.720	-2.123	-0.567900
ATOM	972	N ASN	63	14.562	-11.620	-1.321	-0.415700
ATOM	973	H ASN	63	14.297	-10.992	-0.575	0.271900
ATOM	974	CA ASN	63	15.203	-11.041	-2.486	0.014300
ATOM	975	HA ASN	63	14.540	-11.208	-3.335	0.104800
ATOM	976	CB ASN	63	15.428	-9.528	-2.376	-0.204100
ATOM	977	HB2 ASN	63	16.000	-9.286	-1.480	0.079700

ATOM	978	HB3	ASN	63	16.020	-9.219	-3.238	0.079700
ATOM	979	CG	ASN	63	14.173	-8.659	-2.405	0.713000
ATOM	980	OD1	ASN	63	13.072	-9.195	-2.454	-0.593100
ATOM	981	ND2	ASN	63	14.387	-7.354	-2.409	-0.919100
ATOM	982	1HD2	ASN	63	13.593	-6.736	-2.500	0.419600
ATOM	983	2HD2	ASN	63	15.338	-7.017	-2.351	0.419600
ATOM	984	C	ASN	63	16.515	-11.742	-2.837	0.597300
ATOM	985	O	ASN	63	16.733	-12.028	-4.017	-0.567900
ATOM	986	N	GLU	64	17.384	-11.960	-1.849	-0.516300
ATOM	987	H	GLU	64	17.148	-11.657	-0.915	0.293600
ATOM	988	CA	GLU	64	18.667	-12.623	-2.103	0.039700
ATOM	989	HA	GLU	64	19.256	-12.023	-2.797	0.110500
ATOM	990	CB	GLU	64	19.420	-12.775	-0.773	0.056000
ATOM	991	HB2	GLU	64	18.751	-13.246	-0.052	-0.017300
ATOM	992	HB3	GLU	64	20.266	-13.448	-0.912	-0.017300
ATOM	993	CG	GLU	64	19.923	-11.474	-0.160	0.013600
ATOM	994	HG2	GLU	64	19.110	-10.749	-0.118	-0.042500
ATOM	995	HG3	GLU	64	20.218	-11.690	0.867	-0.042500
ATOM	996	CD	GLU	64	21.115	-10.858	-0.860	0.805400
ATOM	997	OE1	GLU	64	21.590	-11.439	-1.864	-0.818800
ATOM	998	OE2	GLU	64	21.593	-9.797	-0.390	-0.818800
ATOM	999	C	GLU	64	18.452	-13.997	-2.728	0.536600
ATOM	1000	O	GLU	64	19.077	-14.359	-3.736	-0.581900
ATOM	1001	N	LYS	65	17.570	-14.790	-2.131	-0.347900
ATOM	1002	H	LYS	65	17.078	-14.444	-1.319	0.274700
ATOM	1003	CA	LYS	65	17.248	-16.117	-2.654	-0.240000
ATOM	1004	HA	LYS	65	18.172	-16.687	-2.754	0.142600
ATOM	1005	CB	LYS	65	16.323	-16.847	-1.686	-0.009400
ATOM	1006	HB2	LYS	65	16.840	-16.976	-0.735	0.036200
ATOM	1007	HB3	LYS	65	15.483	-16.184	-1.481	0.036200
ATOM	1008	CG	LYS	65	15.780	-18.187	-2.174	0.018700
ATOM	1009	HG2	LYS	65	14.807	-18.299	-1.695	0.010300
ATOM	1010	HG3	LYS	65	15.637	-18.253	-3.253	0.010300
ATOM	1011	CD	LYS	65	16.605	-19.353	-1.651	-0.047900
ATOM	1012	HD2	LYS	65	17.617	-19.301	-2.054	0.062100
ATOM	1013	HD3	LYS	65	16.658	-19.305	-0.563	0.062100
ATOM	1014	CE	LYS	65	15.978	-20.680	-2.055	-0.014300
ATOM	1015	HE2	LYS	65	16.205	-20.875	-3.103	0.113500
ATOM	1016	HE3	LYS	65	16.427	-21.482	-1.468	0.113500
ATOM	1017	NZ	LYS	65	14.502	-20.670	-1.869	-0.385400
ATOM	1018	HZ1	LYS	65	14.048	-20.002	-2.476	0.340000
ATOM	1019	HZ2	LYS	65	14.133	-21.589	-2.066	0.340000
ATOM	1020	HZ3	LYS	65	14.263	-20.451	-0.912	0.340000
ATOM	1021	C	LYS	65	16.625	-16.062	-4.038	0.734100
ATOM	1022	O	LYS	65	16.937	-16.899	-4.896	-0.589400
ATOM	1023	N	LEU	66	15.706	-15.133	-4.314	-0.415700
ATOM	1024	H	LEU	66	15.434	-14.482	-3.591	0.271900
ATOM	1025	CA	LEU	66	15.037	-15.081	-5.613	-0.051800
ATOM	1026	HA	LEU	66	14.588	-16.058	-5.793	0.092200
ATOM	1027	CB	LEU	66	13.927	-14.016	-5.603	-0.110200
ATOM	1028	HB2	LEU	66	13.248	-14.225	-4.777	0.045700
ATOM	1029	HB3	LEU	66	14.382	-13.043	-5.415	0.045700
ATOM	1030	CG	LEU	66	13.111	-13.934	-6.901	0.353100
ATOM	1031	HG	LEU	66	13.784	-13.697	-7.725	-0.036100
ATOM	1032	CD1	LEU	66	12.410	-15.246	-7.216	-0.412100
ATOM	1033	1HD1	LEU	66	13.139	-16.031	-7.416	0.100000
ATOM	1034	2HD1	LEU	66	11.755	-15.536	-6.394	0.100000
ATOM	1035	3HD1	LEU	66	11.807	-15.123	-8.116	0.100000
ATOM	1036	CD2	LEU	66	12.087	-12.804	-6.799	-0.412100
ATOM	1037	1HD2	LEU	66	11.330	-13.059	-6.058	0.100000
ATOM	1038	2HD2	LEU	66	12.587	-11.881	-6.507	0.100000
ATOM	1039	3HD2	LEU	66	11.613	-12.651	-7.769	0.100000
ATOM	1040	C	LEU	66	16.002	-14.806	-6.755	0.597300
ATOM	1041	O	LEU	66	15.878	-15.425	-7.814	-0.567900
ATOM	1042	N	VAL	67	16.988	-13.944	-6.537	-0.415700
ATOM	1043	H	VAL	67	17.020	-13.457	-5.653	0.271900
ATOM	1044	CA	VAL	67	17.989	-13.613	-7.555	-0.087500
ATOM	1045	HA	VAL	67	17.481	-13.461	-8.508	0.096900
ATOM	1046	CB	VAL	67	18.687	-12.298	-7.199	0.298500
ATOM	1047	HB	VAL	67	18.935	-12.324	-6.138	-0.029700

ATOM	1048	CG1 VAL	67	19.985	-12.001	-7.945	-0.319200
ATOM	1049	1HG1 VAL	67	19.835	-12.063	-9.022	0.079100
ATOM	1050	2HG1 VAL	67	20.336	-11.003	-7.682	0.079100
ATOM	1051	3HG1 VAL	67	20.758	-12.707	-7.642	0.079100
ATOM	1052	CG2 VAL	67	17.728	-11.121	-7.425	-0.319200
ATOM	1053	1HG2 VAL	67	17.470	-11.052	-8.482	0.079100
ATOM	1054	2HG2 VAL	67	16.820	-11.256	-6.838	0.079100
ATOM	1055	3HG2 VAL	67	18.206	-10.194	-7.107	0.079100
ATOM	1056	C VAL	67	18.941	-14.780	-7.787	0.597300
ATOM	1057	O VAL	67	19.643	-14.772	-8.796	-0.567900
ATOM	1058	N LYS	68	18.958	-15.791	-6.923	-0.347900
ATOM	1059	H LYS	68	18.402	-15.735	-6.081	0.274700
ATOM	1060	CA LYS	68	19.760	-16.987	-7.180	-0.240000
ATOM	1061	HA LYS	68	20.566	-16.766	-7.880	0.142600
ATOM	1062	CB LYS	68	20.343	-17.587	-5.901	-0.009400
ATOM	1063	HB2 LYS	68	19.528	-17.845	-5.226	0.036200
ATOM	1064	HB3 LYS	68	20.877	-18.506	-6.146	0.036200
ATOM	1065	CG LYS	68	21.304	-16.662	-5.164	0.018700
ATOM	1066	HG2 LYS	68	20.812	-15.710	-4.964	0.010300
ATOM	1067	HG3 LYS	68	21.595	-17.104	-4.211	0.010300
ATOM	1068	CD LYS	68	22.562	-16.409	-5.986	-0.047900
ATOM	1069	HD2 LYS	68	23.207	-17.285	-5.922	0.062100
ATOM	1070	HD3 LYS	68	22.327	-16.245	-7.038	0.062100
ATOM	1071	CE LYS	68	23.319	-15.182	-5.511	-0.014300
ATOM	1072	HE2 LYS	68	22.699	-14.297	-5.657	0.113500
ATOM	1073	HE3 LYS	68	23.525	-15.278	-4.445	0.113500
ATOM	1074	NZ LYS	68	24.598	-15.049	-6.262	-0.385400
ATOM	1075	HZ1 LYS	68	25.115	-14.250	-5.925	0.340000
ATOM	1076	HZ2 LYS	68	25.190	-15.857	-6.133	0.340000
ATOM	1077	HZ3 LYS	68	24.440	-14.927	-7.252	0.340000
ATOM	1078	C LYS	68	18.903	-18.011	-7.905	0.734100
ATOM	1079	O LYS	68	19.442	-18.819	-8.663	-0.589400
ATOM	1080	N LEU	69	17.584	-17.998	-7.699	-0.415700
ATOM	1081	H LEU	69	17.202	-17.345	-7.031	0.271900
ATOM	1082	CA LEU	69	16.696	-18.925	-8.393	-0.051800
ATOM	1083	HA LEU	69	17.165	-19.908	-8.447	0.092200
ATOM	1084	CB LEU	69	15.326	-19.079	-7.723	-0.110200
ATOM	1085	HB2 LEU	69	14.864	-18.092	-7.687	0.045700
ATOM	1086	HB3 LEU	69	14.708	-19.693	-8.378	0.045700
ATOM	1087	CG LEU	69	15.236	-19.687	-6.327	0.353100
ATOM	1088	HG LEU	69	15.804	-19.066	-5.633	-0.036100
ATOM	1089	CD1 LEU	69	13.786	-19.713	-5.848	-0.412100
ATOM	1090	1HD1 LEU	69	13.192	-20.341	-6.511	0.100000
ATOM	1091	2HD1 LEU	69	13.736	-20.123	-4.840	0.100000
ATOM	1092	3HD1 LEU	69	13.385	-18.700	-5.859	0.100000
ATOM	1093	CD2 LEU	69	15.831	-21.092	-6.284	-0.412100
ATOM	1094	1HD2 LEU	69	15.334	-21.723	-7.021	0.100000
ATOM	1095	2HD2 LEU	69	16.898	-21.051	-6.500	0.100000
ATOM	1096	3HD2 LEU	69	15.690	-21.525	-5.294	0.100000
ATOM	1097	C LEU	69	16.456	-18.463	-9.827	0.597300
ATOM	1098	O LEU	69	16.408	-19.270	-10.751	-0.567900
ATOM	1099	N GLU	70	16.268	-17.166	-10.026	-0.516300
ATOM	1100	H GLU	70	16.274	-16.541	-9.233	0.293600
ATOM	1101	CA GLU	70	15.971	-16.593	-11.332	0.039700
ATOM	1102	HA GLU	70	15.904	-17.371	-12.093	0.110500
ATOM	1103	CB GLU	70	14.618	-15.871	-11.276	0.056000
ATOM	1104	HB2 GLU	70	14.645	-15.149	-10.460	-0.017300
ATOM	1105	HB3 GLU	70	14.463	-15.313	-12.200	-0.017300
ATOM	1106	CG GLU	70	13.426	-16.791	-11.047	0.013600
ATOM	1107	HG2 GLU	70	13.595	-17.428	-10.179	-0.042500
ATOM	1108	HG3 GLU	70	12.563	-16.166	-10.818	-0.042500
ATOM	1109	CD GLU	70	13.096	-17.635	-12.265	0.805400
ATOM	1110	OE1 GLU	70	12.647	-17.055	-13.281	-0.818800
ATOM	1111	OE2 GLU	70	13.274	-18.874	-12.213	-0.818800
ATOM	1112	C GLU	70	17.014	-15.580	-11.773	0.536600
ATOM	1113	O GLU	70	17.290	-14.640	-11.027	-0.581900
ATOM	1114	N SER	71	17.525	-15.697	-12.999	-0.415700
ATOM	1115	H SER	71	17.258	-16.480	-13.579	0.271900
ATOM	1116	CA SER	71	18.534	-14.756	-13.480	-0.024900
ATOM	1117	HA SER	71	19.043	-14.337	-12.612	0.084300

ATOM	1118	CB	SER	71	19.608	-15.458	-14.325	0.211700
ATOM	1119	HB2	SER	71	19.289	-16.472	-14.563	0.035200
ATOM	1120	HB3	SER	71	19.786	-14.909	-15.250	0.035200
ATOM	1121	OG	SER	71	20.815	-15.496	-13.577	-0.654600
ATOM	1122	HG	SER	71	20.627	-15.881	-12.718	0.427500
ATOM	1123	C	SER	71	17.971	-13.575	-14.258	0.597300
ATOM	1124	O	SER	71	16.883	-13.616	-14.835	-0.567900
ATOM	1125	N	GLY	72	18.742	-12.494	-14.242	-0.415700
ATOM	1126	H	GLY	72	19.607	-12.541	-13.723	0.271900
ATOM	1127	CA	GLY	72	18.462	-11.260	-14.943	-0.025200
ATOM	1128	HA2	GLY	72	19.393	-10.701	-15.032	0.069800
ATOM	1129	HA3	GLY	72	18.123	-11.497	-15.952	0.069800
ATOM	1130	C	GLY	72	17.440	-10.331	-14.308	0.597300
ATOM	1131	O	GLY	72	17.002	-9.388	-14.968	-0.567900
ATOM	1132	N	LEU	73	17.040	-10.573	-13.066	-0.415700
ATOM	1133	H	LEU	73	17.466	-11.319	-12.536	0.271900
ATOM	1134	CA	LEU	73	16.036	-9.722	-12.433	-0.051800
ATOM	1135	HA	LEU	73	15.219	-9.571	-13.138	0.092200
ATOM	1136	CB	LEU	73	15.535	-10.394	-11.149	-0.110200
ATOM	1137	HB2	LEU	73	16.391	-10.573	-10.498	0.045700
ATOM	1138	HB3	LEU	73	14.892	-9.682	-10.631	0.045700
ATOM	1139	CG	LEU	73	14.750	-11.694	-11.282	0.353100
ATOM	1140	HG	LEU	73	15.394	-12.440	-11.747	-0.036100
ATOM	1141	CD1	LEU	73	14.314	-12.210	-9.916	-0.412100
ATOM	1142	1HD1	LEU	73	13.739	-11.450	-9.388	0.100000
ATOM	1143	2HD1	LEU	73	13.697	-13.100	-10.042	0.100000
ATOM	1144	3HD1	LEU	73	15.196	-12.472	-9.332	0.100000
ATOM	1145	CD2	LEU	73	13.528	-11.507	-12.173	-0.412100
ATOM	1146	1HD2	LEU	73	13.678	-10.786	-12.976	0.100000
ATOM	1147	2HD2	LEU	73	13.223	-12.477	-12.566	0.100000
ATOM	1148	3HD2	LEU	73	12.708	-11.113	-11.572	0.100000
ATOM	1149	C	LEU	73	16.539	-8.330	-12.075	0.597300
ATOM	1150	O	LEU	73	17.664	-8.124	-11.621	-0.567900
ATOM	1151	N	LYS	74	15.675	-7.341	-12.220	-0.347900
ATOM	1152	H	LYS	74	14.773	-7.557	-12.620	0.274700
ATOM	1153	CA	LYS	74	15.916	-5.969	-11.778	-0.240000
ATOM	1154	HA	LYS	74	16.982	-5.800	-11.629	0.142600
ATOM	1155	CB	LYS	74	15.388	-4.986	-12.821	-0.009400
ATOM	1156	HB2	LYS	74	14.323	-5.172	-12.960	0.036200
ATOM	1157	HB3	LYS	74	15.513	-3.961	-12.471	0.036200
ATOM	1158	CG	LYS	74	16.110	-5.150	-14.160	0.018700
ATOM	1159	HG2	LYS	74	17.094	-4.685	-14.093	0.010300
ATOM	1160	HG3	LYS	74	16.256	-6.208	-14.381	0.010300
ATOM	1161	CD	LYS	74	15.330	-4.571	-15.326	-0.047900
ATOM	1162	HD2	LYS	74	15.635	-5.114	-16.220	0.062100
ATOM	1163	HD3	LYS	74	14.257	-4.714	-15.198	0.062100
ATOM	1164	CE	LYS	74	15.658	-3.102	-15.534	-0.014300
ATOM	1165	HE2	LYS	74	15.159	-2.517	-14.761	0.113500
ATOM	1166	HE3	LYS	74	16.734	-2.958	-15.428	0.113500
ATOM	1167	NZ	LYS	74	15.239	-2.614	-16.870	-0.385400
ATOM	1168	HZ1	LYS	74	14.273	-2.855	-17.042	0.340000
ATOM	1169	HZ2	LYS	74	15.351	-1.611	-16.913	0.340000
ATOM	1170	HZ3	LYS	74	15.796	-3.041	-17.597	0.340000
ATOM	1171	C	LYS	74	15.192	-5.804	-10.444	0.734100
ATOM	1172	O	LYS	74	13.996	-6.100	-10.415	-0.589400
ATOM	1173	N	VAL	75	15.890	-5.516	-9.357	-0.415700
ATOM	1174	H	VAL	75	16.881	-5.340	-9.441	0.271900
ATOM	1175	CA	VAL	75	15.283	-5.396	-8.026	-0.087500
ATOM	1176	HA	VAL	75	14.271	-5.801	-8.046	0.096900
ATOM	1177	CB	VAL	75	16.109	-6.182	-7.000	0.298500
ATOM	1178	HB	VAL	75	17.106	-5.744	-6.953	-0.029700
ATOM	1179	CG1	VAL	75	15.498	-6.121	-5.602	-0.319200
ATOM	1180	1HG1	VAL	75	14.502	-6.563	-5.599	0.079100
ATOM	1181	2HG1	VAL	75	16.125	-6.676	-4.905	0.079100
ATOM	1182	3HG1	VAL	75	15.437	-5.090	-5.252	0.079100
ATOM	1183	CG2	VAL	75	16.269	-7.645	-7.419	-0.319200
ATOM	1184	1HG2	VAL	75	16.850	-7.721	-8.339	0.079100
ATOM	1185	2HG2	VAL	75	16.809	-8.185	-6.641	0.079100
ATOM	1186	3HG2	VAL	75	15.295	-8.114	-7.561	0.079100
ATOM	1187	C	VAL	75	15.187	-3.927	-7.645	0.597300

ATOM	1188	O	VAL	75	16.210	-3.279	-7.428	-0.567900
ATOM	1189	N	TYR	76	13.960	-3.403	-7.579	-0.415700
ATOM	1190	H	TYR	76	13.166	-4.007	-7.739	0.271900
ATOM	1191	CA	TYR	76	13.667	-2.009	-7.245	-0.001400
ATOM	1192	HA	TYR	76	14.550	-1.406	-7.461	0.087600
ATOM	1193	CB	TYR	76	12.510	-1.468	-8.117	-0.015200
ATOM	1194	HB2	TYR	76	11.676	-2.169	-8.073	0.029500
ATOM	1195	HB3	TYR	76	12.158	-0.530	-7.688	0.029500
ATOM	1196	CG	TYR	76	12.879	-1.202	-9.572	-0.001100
ATOM	1197	CD1	TYR	76	12.828	-2.238	-10.507	-0.190600
ATOM	1198	HD1	TYR	76	12.521	-3.227	-10.200	0.169900
ATOM	1199	CE1	TYR	76	13.177	-1.989	-11.842	-0.234100
ATOM	1200	HE1	TYR	76	13.120	-2.779	-12.577	0.165600
ATOM	1201	CZ	TYR	76	13.563	-0.719	-12.233	0.322600
ATOM	1202	OH	TYR	76	13.900	-0.491	-13.538	-0.557900
ATOM	1203	HH	TYR	76	13.420	-1.053	-14.151	0.399200
ATOM	1204	CE2	TYR	76	13.617	0.321	-11.313	-0.234100
ATOM	1205	HE2	TYR	76	13.905	1.324	-11.590	0.165600
ATOM	1206	CD2	TYR	76	13.269	0.060	-9.986	-0.190600
ATOM	1207	HD2	TYR	76	13.312	0.860	-9.261	0.169900
ATOM	1208	C	TYR	76	13.300	-1.793	-5.768	0.597300
ATOM	1209	O	TYR	76	12.699	-2.667	-5.122	-0.567900
ATOM	1210	N	GLY	77	13.681	-0.622	-5.269	-0.415700
ATOM	1211	H	GLY	77	14.218	0.027	-5.827	0.271900
ATOM	1212	CA	GLY	77	13.374	-0.294	-3.871	-0.025200
ATOM	1213	HA2	GLY	77	12.298	-0.335	-3.706	0.069800
ATOM	1214	HA3	GLY	77	13.865	-0.999	-3.199	0.069800
ATOM	1215	C	GLY	77	13.876	1.107	-3.581	0.597300
ATOM	1216	O	GLY	77	14.691	1.663	-4.339	-0.567900
ATOM	1217	N	GLY	78	13.405	1.680	-2.464	-0.415700
ATOM	1218	H	GLY	78	12.714	1.200	-1.905	0.271900
ATOM	1219	CA	GLY	78	13.772	3.052	-2.128	-0.025200
ATOM	1220	HA2	GLY	78	14.274	3.538	-2.964	0.069800
ATOM	1221	HA3	GLY	78	12.859	3.610	-1.920	0.069800
ATOM	1222	C	GLY	78	14.680	3.179	-0.914	0.597300
ATOM	1223	O	GLY	78	14.762	4.289	-0.379	-0.567900
ATOM	1224	N	ASP	79	15.305	2.084	-0.504	-0.516300
ATOM	1225	H	ASP	79	15.181	1.214	-1.001	0.293600
ATOM	1226	CA	ASP	79	16.089	2.078	0.733	0.038100
ATOM	1227	HA	ASP	79	16.363	3.100	0.995	0.088000
ATOM	1228	CB	ASP	79	15.129	1.533	1.798	-0.030300
ATOM	1229	HB2	ASP	79	14.157	2.005	1.660	-0.012200
ATOM	1230	HB3	ASP	79	14.965	0.470	1.618	-0.012200
ATOM	1231	CG	ASP	79	15.513	1.707	3.248	0.799400
ATOM	1232	OD1	ASP	79	16.678	1.389	3.576	-0.801400
ATOM	1233	OD2	ASP	79	14.644	2.120	4.057	-0.801400
ATOM	1234	C	ASP	79	17.304	1.179	0.565	0.536600
ATOM	1235	O	ASP	79	17.176	0.008	0.187	-0.581900
ATOM	1236	N	ASP	80	18.472	1.694	0.962	-0.516300
ATOM	1237	H	ASP	80	18.491	2.647	1.295	0.293600
ATOM	1238	CA	ASP	80	19.717	0.933	0.896	0.038100
ATOM	1239	HA	ASP	80	19.850	0.600	-0.133	0.088000
ATOM	1240	CB	ASP	80	20.925	1.788	1.281	-0.030300
ATOM	1241	HB2	ASP	80	20.859	2.018	2.344	-0.012200
ATOM	1242	HB3	ASP	80	21.829	1.197	1.129	-0.012200
ATOM	1243	CG	ASP	80	21.093	3.087	0.521	0.799400
ATOM	1244	OD1	ASP	80	20.821	3.160	-0.695	-0.801400
ATOM	1245	OD2	ASP	80	21.531	4.082	1.147	-0.801400
ATOM	1246	C	ASP	80	19.737	-0.307	1.780	0.536600
ATOM	1247	O	ASP	80	20.553	-1.213	1.555	-0.581900
ATOM	1248	N	ARG	81	18.838	-0.444	2.757	-0.347900
ATOM	1249	H	ARG	81	18.153	0.287	2.885	0.274700
ATOM	1250	CA	ARG	81	18.742	-1.647	3.578	-0.263700
ATOM	1251	HA	ARG	81	19.749	-1.982	3.826	0.156000
ATOM	1252	CB	ARG	81	18.024	-1.286	4.883	-0.000700
ATOM	1253	HB2	ARG	81	17.031	-0.904	4.650	0.032700
ATOM	1254	HB3	ARG	81	17.899	-2.188	5.482	0.032700
ATOM	1255	CG	ARG	81	18.813	-0.268	5.722	0.039000
ATOM	1256	HG2	ARG	81	19.721	-0.742	6.093	0.028500
ATOM	1257	HG3	ARG	81	19.097	0.593	5.117	0.028500

ATOM	1258	CD	ARG	81	17.976	0.207	6.896	0.048600
ATOM	1259	HD2	ARG	81	17.612	-0.666	7.439	0.068700
ATOM	1260	HD3	ARG	81	18.623	0.779	7.561	0.068700
ATOM	1261	NE	ARG	81	16.839	1.057	6.501	-0.529500
ATOM	1262	HE	ARG	81	16.678	1.216	5.516	0.345600
ATOM	1263	CZ	ARG	81	15.968	1.576	7.367	0.807600
ATOM	1264	NH1	ARG	81	16.006	1.353	8.665	-0.862700
ATOM	1265	1HH1	ARG	81	16.643	0.659	9.031	0.447800
ATOM	1266	2HH1	ARG	81	15.232	1.644	9.245	0.447800
ATOM	1267	NH2	ARG	81	14.985	2.337	6.909	-0.862700
ATOM	1268	1HH2	ARG	81	14.859	2.407	5.909	0.447800
ATOM	1269	2HH2	ARG	81	14.319	2.733	7.557	0.447800
ATOM	1270	C	ARG	81	18.082	-2.824	2.865	0.734100
ATOM	1271	O	ARG	81	18.039	-3.925	3.428	-0.589400
ATOM	1272	N	ILE	82	17.542	-2.641	1.659	-0.415700
ATOM	1273	H	ILE	82	17.584	-1.732	1.221	0.271900
ATOM	1274	CA	ILE	82	16.857	-3.742	0.965	-0.059700
ATOM	1275	HA	ILE	82	16.232	-4.276	1.681	0.086900
ATOM	1276	CB	ILE	82	15.910	-3.170	-0.103	0.130300
ATOM	1277	HB	ILE	82	16.452	-2.416	-0.674	0.018700
ATOM	1278	CG2	ILE	82	15.430	-4.241	-1.083	-0.320400
ATOM	1279	1HG2	ILE	82	14.978	-5.074	-0.544	0.088200
ATOM	1280	2HG2	ILE	82	14.700	-3.828	-1.779	0.088200
ATOM	1281	3HG2	ILE	82	16.261	-4.608	-1.685	0.088200
ATOM	1282	CG1	ILE	82	14.702	-2.515	0.592	-0.043000
ATOM	1283	2HG1	ILE	82	14.013	-3.286	0.937	0.023600
ATOM	1284	3HG1	ILE	82	15.034	-1.942	1.458	0.023600
ATOM	1285	CD1	ILE	82	13.962	-1.555	-0.321	-0.066000
ATOM	1286	1HD1	ILE	82	13.195	-1.042	0.259	0.018600
ATOM	1287	2HD1	ILE	82	14.650	-0.814	-0.728	0.018600
ATOM	1288	3HD1	ILE	82	13.476	-2.092	-1.137	0.018600
ATOM	1289	C	ILE	82	17.829	-4.755	0.373	0.597300
ATOM	1290	O	ILE	82	18.705	-4.361	-0.393	-0.567900
ATOM	1291	N	GLY	83	17.617	-6.033	0.672	-0.415700
ATOM	1292	H	GLY	83	16.869	-6.289	1.299	0.271900
ATOM	1293	CA	GLY	83	18.479	-7.079	0.124	-0.025200
ATOM	1294	HA2	GLY	83	19.504	-6.868	0.429	0.069800
ATOM	1295	HA3	GLY	83	18.204	-8.045	0.547	0.069800
ATOM	1296	C	GLY	83	18.435	-7.187	-1.399	0.597300
ATOM	1297	O	GLY	83	17.402	-7.067	-2.046	-0.567900
ATOM	1298	N	ALA	84	19.575	-7.407	-2.014	-0.415700
ATOM	1299	H	ALA	84	20.376	-7.512	-1.409	0.271900
ATOM	1300	CA	ALA	84	19.783	-7.597	-3.445	0.033700
ATOM	1301	HA	ALA	84	20.847	-7.718	-3.649	0.082300
ATOM	1302	CB	ALA	84	19.147	-8.917	-3.874	-0.182500
ATOM	1303	HB1	ALA	84	18.063	-8.817	-3.920	0.060300
ATOM	1304	HB2	ALA	84	19.511	-9.203	-4.861	0.060300
ATOM	1305	HB3	ALA	84	19.411	-9.706	-3.169	0.060300
ATOM	1306	C	ALA	84	19.350	-6.451	-4.343	0.597300
ATOM	1307	O	ALA	84	19.148	-6.646	-5.543	-0.567900
ATOM	1308	N	LEU	85	19.283	-5.240	-3.808	-0.415700
ATOM	1309	H	LEU	85	19.466	-5.149	-2.819	0.271900
ATOM	1310	CA	LEU	85	18.861	-4.060	-4.543	-0.051800
ATOM	1311	HA	LEU	85	17.840	-4.235	-4.882	0.092200
ATOM	1312	CB	LEU	85	18.870	-2.881	-3.558	-0.110200
ATOM	1313	HB2	LEU	85	18.312	-3.156	-2.663	0.045700
ATOM	1314	HB3	LEU	85	19.905	-2.706	-3.264	0.045700
ATOM	1315	CG	LEU	85	18.296	-1.569	-4.087	0.353100
ATOM	1316	HG	LEU	85	18.743	-1.326	-5.051	-0.036100
ATOM	1317	CD1	LEU	85	16.792	-1.704	-4.285	-0.412100
ATOM	1318	1HD1	LEU	85	16.310	-1.936	-3.335	0.100000
ATOM	1319	2HD1	LEU	85	16.402	-0.761	-4.666	0.100000
ATOM	1320	3HD1	LEU	85	16.561	-2.487	-5.007	0.100000
ATOM	1321	CD2	LEU	85	18.591	-0.422	-3.121	-0.412100
ATOM	1322	1HD2	LEU	85	19.663	-0.220	-3.100	0.100000
ATOM	1323	2HD2	LEU	85	18.071	0.473	-3.461	0.100000
ATOM	1324	3HD2	LEU	85	18.249	-0.680	-2.119	0.100000
ATOM	1325	C	LEU	85	19.733	-3.773	-5.752	0.597300
ATOM	1326	O	LEU	85	20.963	-3.778	-5.621	-0.567900
ATOM	1327	N	THR	86	19.137	-3.536	-6.916	-0.415700

ATOM	1328	H	THR	86	18.135	-3.640	-6.978	0.271900
ATOM	1329	CA	THR	86	19.879	-3.190	-8.132	-0.038900
ATOM	1330	HA	THR	86	20.945	-3.152	-7.907	0.100700
ATOM	1331	CB	THR	86	19.721	-4.204	-9.277	0.365400
ATOM	1332	HB	THR	86	20.341	-3.869	-10.108	0.004300
ATOM	1333	CG2	THR	86	20.210	-5.575	-8.842	-0.243800
ATOM	1334	1HG2	THR	86	20.210	-6.256	-9.694	0.064200
ATOM	1335	2HG2	THR	86	21.227	-5.505	-8.457	0.064200
ATOM	1336	3HG2	THR	86	19.556	-5.981	-8.070	0.064200
ATOM	1337	OG1	THR	86	18.372	-4.297	-9.735	-0.676100
ATOM	1338	HG1	THR	86	18.502	-4.800	-10.543	0.410200
ATOM	1339	C	THR	86	19.536	-1.810	-8.662	0.597300
ATOM	1340	O	THR	86	20.350	-1.121	-9.273	-0.567900
ATOM	1341	N	HIP	87	18.297	-1.357	-8.465	-0.347900
ATOM	1342	H	HIP	87	17.637	-1.945	-7.976	0.274700
ATOM	1343	CA	HIP	87	17.852	-0.046	-8.929	-0.135400
ATOM	1344	HA	HIP	87	18.692	0.547	-9.293	0.121200
ATOM	1345	CB	HIP	87	16.823	-0.150	-10.063	-0.041400
ATOM	1346	HB2	HIP	87	15.996	-0.786	-9.745	0.081000
ATOM	1347	HB3	HIP	87	16.405	0.833	-10.277	0.081000
ATOM	1348	CG	HIP	87	17.371	-0.704	-11.344	-0.001200
ATOM	1349	ND1	HIP	87	17.806	-2.000	-11.463	-0.151300
ATOM	1350	HD1	HIP	87	17.873	-2.664	-10.704	0.386600
ATOM	1351	CE1	HIP	87	18.237	-2.205	-12.709	-0.017000
ATOM	1352	HE1	HIP	87	18.734	-3.084	-13.091	0.268100
ATOM	1353	NE2	HIP	87	18.082	-1.069	-13.389	-0.171800
ATOM	1354	HE2	HIP	87	18.337	-0.944	-14.358	0.391100
ATOM	1355	CD2	HIP	87	17.542	-0.108	-12.556	-0.114100
ATOM	1356	HD2	HIP	87	17.304	0.914	-12.811	0.231700
ATOM	1357	C	HIP	87	17.211	0.731	-7.793	0.734100
ATOM	1358	O	HIP	87	16.050	0.479	-7.467	-0.589400
ATOM	1359	N	LYS	88	17.922	1.673	-7.214	-0.347900
ATOM	1360	H	LYS	88	18.871	1.814	-7.529	0.274700
ATOM	1361	CA	LYS	88	17.408	2.538	-6.164	-0.240000
ATOM	1362	HA	LYS	88	16.805	1.941	-5.481	0.142600
ATOM	1363	CB	LYS	88	18.559	3.162	-5.361	-0.009400
ATOM	1364	HB2	LYS	88	19.188	2.362	-4.970	0.036200
ATOM	1365	HB3	LYS	88	19.177	3.775	-6.018	0.036200
ATOM	1366	CG	LYS	88	18.031	4.031	-4.217	0.018700
ATOM	1367	HG2	LYS	88	18.341	5.062	-4.388	0.010300
ATOM	1368	HG3	LYS	88	16.943	4.008	-4.164	0.010300
ATOM	1369	CD	LYS	88	18.578	3.558	-2.877	-0.047900
ATOM	1370	HD2	LYS	88	18.188	2.562	-2.666	0.062100
ATOM	1371	HD3	LYS	88	19.666	3.514	-2.915	0.062100
ATOM	1372	CE	LYS	88	18.109	4.490	-1.766	-0.014300
ATOM	1373	HE2	LYS	88	17.090	4.825	-1.960	0.113500
ATOM	1374	HE3	LYS	88	18.112	3.945	-0.821	0.113500
ATOM	1375	NZ	LYS	88	19.021	5.644	-1.647	-0.385400
ATOM	1376	HZ1	LYS	88	19.144	6.153	-2.510	0.340000
ATOM	1377	HZ2	LYS	88	18.616	6.308	-1.003	0.340000
ATOM	1378	HZ3	LYS	88	19.931	5.359	-1.314	0.340000
ATOM	1379	C	LYS	88	16.534	3.607	-6.787	0.734100
ATOM	1380	O	LYS	88	16.987	4.379	-7.639	-0.589400
ATOM	1381	N	ILE	89	15.268	3.652	-6.379	-0.415700
ATOM	1382	H	ILE	89	14.955	3.014	-5.661	0.271900
ATOM	1383	CA	ILE	89	14.340	4.654	-6.916	-0.059700
ATOM	1384	HA	ILE	89	14.869	5.320	-7.598	0.086900
ATOM	1385	CB	ILE	89	13.211	4.015	-7.744	0.130300
ATOM	1386	HB	ILE	89	12.411	4.743	-7.875	0.018700
ATOM	1387	CG2	ILE	89	13.754	3.673	-9.150	-0.320400
ATOM	1388	1HG2	ILE	89	14.530	2.911	-9.078	0.088200
ATOM	1389	2HG2	ILE	89	12.945	3.299	-9.777	0.088200
ATOM	1390	3HG2	ILE	89	14.165	4.567	-9.618	0.088200
ATOM	1391	CG1	ILE	89	12.594	2.785	-7.079	-0.043000
ATOM	1392	2HG1	ILE	89	11.854	2.371	-7.764	0.023600
ATOM	1393	3HG1	ILE	89	13.344	2.010	-6.917	0.023600
ATOM	1394	CD1	ILE	89	11.869	3.079	-5.760	-0.066000
ATOM	1395	1HD1	ILE	89	11.324	2.188	-5.448	0.018600
ATOM	1396	2HD1	ILE	89	12.582	3.333	-4.975	0.018600
ATOM	1397	3HD1	ILE	89	11.164	3.899	-5.895	0.018600

ATOM	1398	C	ILE	89	13.848	5.588	-5.826	0.597300
ATOM	1399	O	ILE	89	14.129	5.367	-4.642	-0.567900
ATOM	1400	N	THR	90	13.214	6.686	-6.228	-0.415700
ATOM	1401	H	THR	90	13.026	6.796	-7.214	0.271900
ATOM	1402	CA	THR	90	12.710	7.750	-5.368	-0.038900
ATOM	1403	HA	THR	90	12.640	7.390	-4.342	0.100700
ATOM	1404	CB	THR	90	13.631	8.991	-5.367	0.365400
ATOM	1405	HB	THR	90	13.160	9.790	-4.795	0.004300
ATOM	1406	CG2	THR	90	14.985	8.762	-4.716	-0.243800
ATOM	1407	1HG2	THR	90	15.570	9.680	-4.768	0.064200
ATOM	1408	2HG2	THR	90	14.838	8.498	-3.669	0.064200
ATOM	1409	3HG2	THR	90	15.526	7.960	-5.217	0.064200
ATOM	1410	OG1	THR	90	13.858	9.475	-6.689	-0.676100
ATOM	1411	HG1	THR	90	14.528	8.912	-7.085	0.410200
ATOM	1412	C	THR	90	11.310	8.196	-5.782	0.597300
ATOM	1413	O	THR	90	10.699	7.639	-6.690	-0.567900
ATOM	1414	N	HIP	91	10.802	9.225	-5.096	-0.347900
ATOM	1415	H	HIP	91	11.315	9.621	-4.321	0.274700
ATOM	1416	CA	HIP	91	9.471	9.750	-5.401	-0.135400
ATOM	1417	HA	HIP	91	8.758	8.951	-5.198	0.121200
ATOM	1418	CB	HIP	91	9.153	10.955	-4.509	-0.041400
ATOM	1419	HB2	HIP	91	9.418	10.742	-3.474	0.081000
ATOM	1420	HB3	HIP	91	9.760	11.805	-4.823	0.081000
ATOM	1421	CG	HIP	91	7.700	11.337	-4.566	-0.001200
ATOM	1422	ND1	HIP	91	6.664	10.468	-4.308	-0.151300
ATOM	1423	HD1	HIP	91	6.744	9.716	-3.639	0.386600
ATOM	1424	CE1	HIP	91	5.506	11.122	-4.414	-0.017000
ATOM	1425	HE1	HIP	91	4.530	10.770	-4.114	0.268100
ATOM	1426	NE2	HIP	91	5.772	12.397	-4.729	-0.171800
ATOM	1427	HE2	HIP	91	5.094	13.138	-4.837	0.391100
ATOM	1428	CD2	HIP	91	7.136	12.551	-4.823	-0.114100
ATOM	1429	HD2	HIP	91	7.661	13.464	-5.064	0.231700
ATOM	1430	C	HIP	91	9.325	10.134	-6.880	0.734100
ATOM	1431	O	HIP	91	10.136	10.887	-7.417	-0.589400
ATOM	1432	N	LEU	92	8.335	9.595	-7.562	-0.415700
ATOM	1433	H	LEU	92	7.764	8.904	-7.097	0.271900
ATOM	1434	CA	LEU	92	8.004	9.828	-8.953	-0.051800
ATOM	1435	HA	LEU	92	7.049	9.327	-9.107	0.092200
ATOM	1436	CB	LEU	92	7.751	11.315	-9.257	-0.110200
ATOM	1437	HB2	LEU	92	8.703	11.846	-9.230	0.045700
ATOM	1438	HB3	LEU	92	7.389	11.396	-10.282	0.045700
ATOM	1439	CG	LEU	92	6.751	12.067	-8.368	0.353100
ATOM	1440	HG	LEU	92	7.107	12.009	-7.339	-0.036100
ATOM	1441	CD1	LEU	92	6.702	13.542	-8.752	-0.412100
ATOM	1442	1HD1	LEU	92	6.361	13.648	-9.782	0.100000
ATOM	1443	2HD1	LEU	92	6.011	14.070	-8.095	0.100000
ATOM	1444	3HD1	LEU	92	7.692	13.988	-8.651	0.100000
ATOM	1445	CD2	LEU	92	5.344	11.486	-8.406	-0.412100
ATOM	1446	1HD2	LEU	92	4.952	11.534	-9.422	0.100000
ATOM	1447	2HD2	LEU	92	5.348	10.450	-8.068	0.100000
ATOM	1448	3HD2	LEU	92	4.686	12.065	-7.758	0.100000
ATOM	1449	C	LEU	92	8.922	9.140	-9.959	0.597300
ATOM	1450	O	LEU	92	8.675	9.268	-11.173	-0.567900
ATOM	1451	N	SER	93	9.870	8.299	-9.533	-0.415700
ATOM	1452	H	SER	93	10.064	8.205	-8.547	0.271900
ATOM	1453	CA	SER	93	10.617	7.448	-10.465	-0.024900
ATOM	1454	HA	SER	93	11.213	8.084	-11.119	0.084300
ATOM	1455	CB	SER	93	11.584	6.508	-9.745	0.211700
ATOM	1456	HB2	SER	93	11.010	5.904	-9.043	0.035200
ATOM	1457	HB3	SER	93	12.049	5.842	-10.472	0.035200
ATOM	1458	OG	SER	93	12.590	7.199	-9.040	-0.654600
ATOM	1459	HG	SER	93	13.369	7.227	-9.601	0.427500
ATOM	1460	C	SER	93	9.633	6.590	-11.263	0.597300
ATOM	1461	O	SER	93	8.611	6.156	-10.719	-0.567900
ATOM	1462	N	THR	94	9.869	6.268	-12.525	-0.415700
ATOM	1463	H	THR	94	10.543	6.829	-13.027	0.271900
ATOM	1464	CA	THR	94	9.044	5.446	-13.380	-0.038900
ATOM	1465	HA	THR	94	8.263	4.989	-12.773	0.100700
ATOM	1466	CB	THR	94	8.357	6.267	-14.489	0.365400
ATOM	1467	HB	THR	94	7.847	5.578	-15.162	0.004300

ATOM	1468	CG2 THR	94	7.322	7.253	-13.964	-0.243800
ATOM	1469	1HG2 THR	94	7.801	7.999	-13.330	0.064200
ATOM	1470	2HG2 THR	94	6.837	7.750	-14.803	0.064200
ATOM	1471	3HG2 THR	94	6.567	6.716	-13.390	0.064200
ATOM	1472	OG1 THR	94	9.350	6.990	-15.232	-0.676100
ATOM	1473	HG1 THR	94	9.944	6.344	-15.621	0.410200
ATOM	1474	C THR	94	9.819	4.310	-14.048	0.597300
ATOM	1475	O THR	94	11.031	4.367	-14.283	-0.567900
ATOM	1476	N LEU	95	9.125	3.230	-14.342	-0.415700
ATOM	1477	H LEU	95	8.138	3.209	-14.130	0.271900
ATOM	1478	CA LEU	95	9.679	2.071	-15.037	-0.051800
ATOM	1479	HA LEU	95	10.398	2.398	-15.788	0.092200
ATOM	1480	CB LEU	95	10.373	1.096	-14.072	-0.110200
ATOM	1481	HB2 LEU	95	10.829	0.283	-14.636	0.045700
ATOM	1482	HB3 LEU	95	11.201	1.614	-13.589	0.045700
ATOM	1483	CG LEU	95	9.436	0.487	-13.021	0.353100
ATOM	1484	HG LEU	95	8.416	0.663	-13.364	-0.036100
ATOM	1485	CD1 LEU	95	9.609	-1.023	-12.947	-0.412100
ATOM	1486	1HD1 LEU	95	9.433	-1.467	-13.927	0.100000
ATOM	1487	2HD1 LEU	95	10.619	-1.270	-12.620	0.100000
ATOM	1488	3HD1 LEU	95	8.886	-1.434	-12.243	0.100000
ATOM	1489	CD2 LEU	95	9.698	1.154	-11.676	-0.412100
ATOM	1490	1HD2 LEU	95	10.717	0.953	-11.346	0.100000
ATOM	1491	2HD2 LEU	95	9.539	2.229	-11.755	0.100000
ATOM	1492	3HD2 LEU	95	9.005	0.757	-10.935	0.100000
ATOM	1493	C LEU	95	8.540	1.354	-15.750	0.597300
ATOM	1494	O LEU	95	7.362	1.611	-15.459	-0.567900
ATOM	1495	N GLN	96	8.851	0.424	-16.627	-0.415700
ATOM	1496	H GLN	96	9.808	0.104	-16.656	0.271900
ATOM	1497	CA GLN	96	7.869	-0.361	-17.344	-0.003100
ATOM	1498	HA GLN	96	6.864	-0.028	-17.086	0.085000
ATOM	1499	CB GLN	96	8.043	-0.241	-18.868	-0.003600
ATOM	1500	HB2 GLN	96	8.991	-0.698	-19.151	0.017100
ATOM	1501	HB3 GLN	96	7.251	-0.794	-19.372	0.017100
ATOM	1502	CG GLN	96	8.068	1.210	-19.342	-0.064500
ATOM	1503	HG2 GLN	96	8.803	1.800	-18.795	0.035200
ATOM	1504	HG3 GLN	96	8.374	1.211	-20.389	0.035200
ATOM	1505	CD GLN	96	6.712	1.872	-19.274	0.695100
ATOM	1506	OE1 GLN	96	6.562	2.951	-18.697	-0.608600
ATOM	1507	NE2 GLN	96	5.704	1.247	-19.867	-0.940700
ATOM	1508	1HE2 GLN	96	4.777	1.644	-19.801	0.425100
ATOM	1509	2HE2 GLN	96	5.882	0.440	-20.447	0.425100
ATOM	1510	C GLN	96	7.981	-1.840	-17.026	0.597300
ATOM	1511	O GLN	96	9.058	-2.387	-16.762	-0.567900
ATOM	1512	N VAL	97	6.842	-2.515	-17.059	-0.415700
ATOM	1513	H VAL	97	5.989	-2.012	-17.258	0.271900
ATOM	1514	CA VAL	97	6.776	-3.970	-16.941	-0.087500
ATOM	1515	HA VAL	97	7.769	-4.415	-17.004	0.096900
ATOM	1516	CB VAL	97	6.103	-4.496	-15.669	0.298500
ATOM	1517	HB VAL	97	5.082	-4.118	-15.613	-0.029700
ATOM	1518	CG1 VAL	97	6.067	-6.024	-15.633	-0.319200
ATOM	1519	1HG1 VAL	97	7.077	-6.429	-15.691	0.079100
ATOM	1520	2HG1 VAL	97	5.593	-6.361	-14.711	0.079100
ATOM	1521	3HG1 VAL	97	5.479	-6.405	-16.469	0.079100
ATOM	1522	CG2 VAL	97	6.844	-4.004	-14.422	-0.319200
ATOM	1523	1HG2 VAL	97	7.861	-4.397	-14.412	0.079100
ATOM	1524	2HG2 VAL	97	6.876	-2.914	-14.414	0.079100
ATOM	1525	3HG2 VAL	97	6.312	-4.332	-13.529	0.079100
ATOM	1526	C VAL	97	5.989	-4.376	-18.182	0.597300
ATOM	1527	O VAL	97	4.754	-4.303	-18.190	-0.567900
ATOM	1528	N GLY	98	6.738	-4.652	-19.253	-0.415700
ATOM	1529	H GLY	98	7.741	-4.749	-19.182	0.271900
ATOM	1530	CA GLY	98	6.063	-4.909	-20.534	-0.025200
ATOM	1531	HA2 GLY	98	6.779	-5.208	-21.299	0.069800
ATOM	1532	HA3 GLY	98	5.319	-5.695	-20.407	0.069800
ATOM	1533	C GLY	98	5.390	-3.597	-20.930	0.597300
ATOM	1534	O GLY	98	6.006	-2.523	-20.921	-0.567900
ATOM	1535	N SER	99	4.103	-3.653	-21.247	-0.415700
ATOM	1536	H SER	99	3.634	-4.548	-21.240	0.271900
ATOM	1537	CA SER	99	3.355	-2.454	-21.585	-0.024900

ATOM	1538	HA	SER	99	4.011	-1.786	-22.144	0.084300
ATOM	1539	CB	SER	99	2.172	-2.759	-22.503	0.211700
ATOM	1540	HB2	SER	99	1.888	-1.829	-22.996	0.035200
ATOM	1541	HB3	SER	99	2.474	-3.472	-23.269	0.035200
ATOM	1542	OG	SER	99	1.045	-3.250	-21.807	-0.654600
ATOM	1543	HG	SER	99	1.203	-4.136	-21.475	0.427500
ATOM	1544	C	SER	99	2.856	-1.676	-20.368	0.597300
ATOM	1545	O	SER	99	2.444	-0.524	-20.537	-0.567900
ATOM	1546	N	LEU	100	2.924	-2.253	-19.164	-0.415700
ATOM	1547	H	LEU	100	3.365	-3.154	-19.049	0.271900
ATOM	1548	CA	LEU	100	2.407	-1.537	-17.993	-0.051800
ATOM	1549	HA	LEU	100	1.451	-1.074	-18.237	0.092200
ATOM	1550	CB	LEU	100	2.202	-2.514	-16.825	-0.110200
ATOM	1551	HB2	LEU	100	3.171	-2.941	-16.568	0.045700
ATOM	1552	HB3	LEU	100	1.864	-1.948	-15.957	0.045700
ATOM	1553	CG	LEU	100	1.221	-3.671	-17.048	0.353100
ATOM	1554	HG	LEU	100	1.521	-4.222	-17.939	-0.036100
ATOM	1555	CD1	LEU	100	1.242	-4.656	-15.880	-0.412100
ATOM	1556	1HD1	LEU	100	0.937	-4.152	-14.963	0.100000
ATOM	1557	2HD1	LEU	100	0.567	-5.487	-16.084	0.100000
ATOM	1558	3HD1	LEU	100	2.251	-5.050	-15.761	0.100000
ATOM	1559	CD2	LEU	100	-0.184	-3.132	-17.283	-0.412100
ATOM	1560	1HD2	LEU	100	-0.869	-3.974	-17.381	0.100000
ATOM	1561	2HD2	LEU	100	-0.439	-2.436	-16.483	0.100000
ATOM	1562	3HD2	LEU	100	-0.204	-2.590	-18.229	0.100000
ATOM	1563	C	LEU	100	3.350	-0.447	-17.516	0.597300
ATOM	1564	O	LEU	100	4.562	-0.681	-17.506	-0.567900
ATOM	1565	N	ASN	101	2.829	0.692	-17.077	-0.415700
ATOM	1566	H	ASN	101	1.823	0.763	-17.026	0.271900
ATOM	1567	CA	ASN	101	3.614	1.770	-16.491	0.014300
ATOM	1568	HA	ASN	101	4.655	1.682	-16.800	0.104800
ATOM	1569	CB	ASN	101	3.117	3.187	-16.832	-0.204100
ATOM	1570	HB2	ASN	101	3.153	3.329	-17.912	0.079700
ATOM	1571	HB3	ASN	101	2.081	3.302	-16.513	0.079700
ATOM	1572	CG	ASN	101	3.945	4.292	-16.167	0.713000
ATOM	1573	OD1	ASN	101	3.622	4.901	-15.138	-0.593100
ATOM	1574	ND2	ASN	101	5.107	4.560	-16.741	-0.919100
ATOM	1575	1HD2	ASN	101	5.618	5.379	-16.444	0.419600
ATOM	1576	2HD2	ASN	101	5.438	4.000	-17.513	0.419600
ATOM	1577	C	ASN	101	3.537	1.640	-14.970	0.597300
ATOM	1578	O	ASN	101	2.469	1.359	-14.413	-0.567900
ATOM	1579	N	VAL	102	4.679	1.794	-14.322	-0.415700
ATOM	1580	H	VAL	102	5.526	1.949	-14.849	0.271900
ATOM	1581	CA	VAL	102	4.782	1.808	-12.871	-0.087500
ATOM	1582	HA	VAL	102	3.795	1.673	-12.429	0.096900
ATOM	1583	CB	VAL	102	5.673	0.664	-12.380	0.298500
ATOM	1584	HB	VAL	102	6.673	0.892	-12.749	-0.029700
ATOM	1585	CG1	VAL	102	5.733	0.711	-10.838	-0.319200
ATOM	1586	1HG1	VAL	102	6.299	-0.145	-10.472	0.079100
ATOM	1587	2HG1	VAL	102	6.243	1.611	-10.494	0.079100
ATOM	1588	3HG1	VAL	102	4.728	0.668	-10.419	0.079100
ATOM	1589	CG2	VAL	102	5.263	-0.713	-12.858	-0.319200
ATOM	1590	1HG2	VAL	102	4.218	-0.903	-12.615	0.079100
ATOM	1591	2HG2	VAL	102	5.389	-0.779	-13.939	0.079100
ATOM	1592	3HG2	VAL	102	5.899	-1.468	-12.396	0.079100
ATOM	1593	C	VAL	102	5.348	3.143	-12.401	0.597300
ATOM	1594	O	VAL	102	6.408	3.612	-12.839	-0.567900
ATOM	1595	N	LYS	103	4.676	3.813	-11.472	-0.347900
ATOM	1596	H	LYS	103	3.812	3.406	-11.145	0.274700
ATOM	1597	CA	LYS	103	5.107	5.057	-10.854	-0.240000
ATOM	1598	HA	LYS	103	6.036	5.397	-11.311	0.142600
ATOM	1599	CB	LYS	103	4.057	6.161	-11.036	-0.009400
ATOM	1600	HB2	LYS	103	3.853	6.256	-12.103	0.036200
ATOM	1601	HB3	LYS	103	3.128	5.880	-10.540	0.036200
ATOM	1602	CG	LYS	103	4.540	7.506	-10.498	0.018700
ATOM	1603	HG2	LYS	103	4.603	7.447	-9.412	0.010300
ATOM	1604	HG3	LYS	103	5.538	7.722	-10.879	0.010300
ATOM	1605	CD	LYS	103	3.609	8.655	-10.853	-0.047900
ATOM	1606	HD2	LYS	103	2.578	8.359	-10.661	0.062100
ATOM	1607	HD3	LYS	103	3.854	9.499	-10.208	0.062100

ATOM	1608	CE	LYS	103	3.772	9.094	-12.305	-0.014300
ATOM	1609	HE2	LYS	103	4.755	9.547	-12.437	0.113500
ATOM	1610	HE3	LYS	103	3.711	8.221	-12.956	0.113500
ATOM	1611	NZ	LYS	103	2.704	10.061	-12.675	-0.385400
ATOM	1612	HZ1	LYS	103	2.650	10.831	-12.024	0.340000
ATOM	1613	HZ2	LYS	103	2.860	10.432	-13.601	0.340000
ATOM	1614	HZ3	LYS	103	1.803	9.606	-12.690	0.340000
ATOM	1615	C	LYS	103	5.361	4.855	-9.364	0.734100
ATOM	1616	O	LYS	103	4.488	4.331	-8.666	-0.589400
ATOM	1617	N	CYS	104	6.568	5.174	-8.930	-0.415700
ATOM	1618	H	CYS	104	7.236	5.564	-9.579	0.271900
ATOM	1619	CA	CYS	104	6.959	4.999	-7.526	0.021300
ATOM	1620	HA	CYS	104	6.505	4.101	-7.108	0.112400
ATOM	1621	CB	CYS	104	8.486	4.867	-7.470	-0.123100
ATOM	1622	HB2	CYS	104	8.938	5.790	-7.834	0.111200
ATOM	1623	HB3	CYS	104	8.790	4.740	-6.431	0.111200
ATOM	1624	SG	CYS	104	9.151	3.481	-8.427	-0.311900
ATOM	1625	HG	CYS	104	8.908	4.002	-9.633	0.193300
ATOM	1626	C	CYS	104	6.529	6.215	-6.712	0.597300
ATOM	1627	O	CYS	104	6.715	7.383	-7.067	-0.567900
ATOM	1628	N	LEU	105	5.861	5.994	-5.573	-0.415700
ATOM	1629	H	LEU	105	5.626	5.042	-5.331	0.271900
ATOM	1630	CA	LEU	105	5.385	7.046	-4.685	-0.051800
ATOM	1631	HA	LEU	105	5.620	8.028	-5.096	0.092200
ATOM	1632	CB	LEU	105	3.855	6.979	-4.523	-0.110200
ATOM	1633	HB2	LEU	105	3.612	6.056	-3.995	0.045700
ATOM	1634	HB3	LEU	105	3.533	7.811	-3.897	0.045700
ATOM	1635	CG	LEU	105	3.037	6.988	-5.821	0.353100
ATOM	1636	HG	LEU	105	3.386	6.186	-6.471	-0.036100
ATOM	1637	CD1	LEU	105	1.546	6.741	-5.570	-0.412100
ATOM	1638	1HD1	LEU	105	1.126	7.547	-4.967	0.100000
ATOM	1639	2HD1	LEU	105	1.023	6.698	-6.526	0.100000
ATOM	1640	3HD1	LEU	105	1.412	5.790	-5.055	0.100000
ATOM	1641	CD2	LEU	105	3.192	8.312	-6.573	-0.412100
ATOM	1642	1HD2	LEU	105	4.231	8.460	-6.869	0.100000
ATOM	1643	2HD2	LEU	105	2.580	8.290	-7.475	0.100000
ATOM	1644	3HD2	LEU	105	2.858	9.141	-5.950	0.100000
ATOM	1645	C	LEU	105	6.056	6.924	-3.315	0.597300
ATOM	1646	O	LEU	105	5.882	5.906	-2.635	-0.567900
ATOM	1647	N	ALA	106	6.812	7.942	-2.906	-0.415700
ATOM	1648	H	ALA	106	7.310	8.435	-3.633	0.271900
ATOM	1649	CA	ALA	106	7.450	7.864	-1.590	0.033700
ATOM	1650	HA	ALA	106	7.850	6.861	-1.438	0.082300
ATOM	1651	CB	ALA	106	8.615	8.844	-1.503	-0.182500
ATOM	1652	HB1	ALA	106	9.117	8.737	-0.542	0.060300
ATOM	1653	HB2	ALA	106	9.336	8.616	-2.288	0.060300
ATOM	1654	HB3	ALA	106	8.265	9.871	-1.602	0.060300
ATOM	1655	C	ALA	106	6.431	8.132	-0.491	0.597300
ATOM	1656	O	ALA	106	5.778	9.174	-0.475	-0.567900
ATOM	1657	N	THR	107	6.312	7.168	0.427	-0.415700
ATOM	1658	H	THR	107	6.842	6.313	0.339	0.271900
ATOM	1659	CA	THR	107	5.372	7.297	1.548	-0.038900
ATOM	1660	HA	THR	107	4.988	8.316	1.610	0.100700
ATOM	1661	CB	THR	107	4.157	6.371	1.356	0.365400
ATOM	1662	HB	THR	107	3.526	6.462	2.240	0.004300
ATOM	1663	CG2	THR	107	3.308	6.732	0.144	-0.243800
ATOM	1664	1HG2	THR	107	2.403	6.125	0.142	0.064200
ATOM	1665	2HG2	THR	107	3.025	7.784	0.199	0.064200
ATOM	1666	3HG2	THR	107	3.863	6.551	-0.777	0.064200
ATOM	1667	OG1	THR	107	4.585	5.007	1.249	-0.676100
ATOM	1668	HG1	THR	107	4.698	4.710	2.155	0.410200
ATOM	1669	C	THR	107	6.069	7.033	2.876	0.597300
ATOM	1670	O	THR	107	5.747	6.066	3.590	-0.567900
ATOM	1671	N	PRO	108	7.078	7.820	3.266	-0.254800
ATOM	1672	CD	PRO	108	7.588	9.022	2.578	0.019200
ATOM	1673	HD2	PRO	108	6.785	9.673	2.231	0.039100
ATOM	1674	HD3	PRO	108	8.233	8.728	1.750	0.039100
ATOM	1675	CG	PRO	108	8.411	9.714	3.644	0.018900
ATOM	1676	HG2	PRO	108	7.762	10.347	4.249	0.021300
ATOM	1677	HG3	PRO	108	9.220	10.300	3.210	0.021300

ATOM	1678	CB	PRO	108	8.929	8.594	4.496	-0.007000
ATOM	1679	HB2	PRO	108	9.190	8.976	5.483	0.025300
ATOM	1680	HB3	PRO	108	9.807	8.171	4.008	0.025300
ATOM	1681	CA	PRO	108	7.796	7.565	4.508	-0.026600
ATOM	1682	HA	PRO	108	8.225	6.563	4.482	0.064100
ATOM	1683	C	PRO	108	6.941	7.724	5.758	0.589600
ATOM	1684	O	PRO	108	6.196	8.695	5.880	-0.574800
ATOM	1685	N	CYS	109	7.024	6.775	6.669	-0.415700
ATOM	1686	H	CYS	109	7.688	6.036	6.487	0.271900
ATOM	1687	CA	CYS	109	6.429	6.834	7.997	0.021300
ATOM	1688	HA	CYS	109	6.963	7.600	8.560	0.112400
ATOM	1689	CB	CYS	109	4.927	7.184	8.046	-0.123100
ATOM	1690	HB2	CYS	109	4.745	8.184	7.651	0.111200
ATOM	1691	HB3	CYS	109	4.363	6.468	7.448	0.111200
ATOM	1692	SG	CYS	109	4.334	7.139	9.767	-0.311900
ATOM	1693	HG	CYS	109	4.548	8.420	10.082	0.193300
ATOM	1694	C	CYS	109	6.683	5.491	8.677	0.597300
ATOM	1695	O	CYS	109	7.524	5.395	9.583	-0.567900
ATOM	1696	N	HID	110	6.048	4.401	8.220	-0.415700
ATOM	1697	H	HID	110	5.400	4.486	7.450	0.271900
ATOM	1698	CA	HID	110	6.289	3.068	8.784	0.203735
ATOM	1699	HA	HID	110	5.992	3.065	9.833	0.088100
ATOM	1700	CB	HID	110	5.424	2.058	8.021	-0.467780
ATOM	1701	HB2	HID	110	4.374	2.322	8.147	0.148926
ATOM	1702	HB3	HID	110	5.648	2.125	6.956	0.157266
ATOM	1703	CG	HID	110	5.597	0.633	8.437	0.306220
ATOM	1704	ND1	HID	110	5.022	0.046	9.541	-0.272337
ATOM	1705	HD1	HID	110	4.481	0.540	10.236	0.340742
ATOM	1706	CE1	HID	110	5.336	-1.248	9.588	0.000880
ATOM	1707	HE1	HID	110	4.965	-1.965	10.306	0.174679
ATOM	1708	NE2	HID	110	6.106	-1.533	8.534	-0.275539
ATOM	1709	CD2	HID	110	6.286	-0.356	7.814	-0.270184
ATOM	1710	HD2	HID	110	6.822	-0.269	6.880	0.173138
ATOM	1711	C	HID	110	7.769	2.712	8.725	0.597300
ATOM	1712	O	HID	110	8.349	2.261	9.711	-0.567900
ATOM	1713	N	THR	111	8.373	2.957	7.562	-0.415700
ATOM	1714	H	THR	111	7.814	3.365	6.826	0.271900
ATOM	1715	CA	THR	111	9.831	3.059	7.437	-0.038900
ATOM	1716	HA	THR	111	10.262	3.176	8.431	0.100700
ATOM	1717	CB	THR	111	10.570	1.897	6.780	0.365400
ATOM	1718	HB	THR	111	11.641	2.069	6.881	0.004300
ATOM	1719	CG2	THR	111	10.249	0.569	7.429	-0.243800
ATOM	1720	1HG2	THR	111	9.185	0.348	7.353	0.064200
ATOM	1721	2HG2	THR	111	10.816	-0.227	6.947	0.064200
ATOM	1722	3HG2	THR	111	10.522	0.612	8.484	0.064200
ATOM	1723	OG1	THR	111	10.253	1.920	5.385	-0.676100
ATOM	1724	HG1	THR	111	9.321	1.700	5.330	0.410200
ATOM	1725	C	THR	111	10.110	4.330	6.651	0.597300
ATOM	1726	O	THR	111	9.265	4.836	5.905	-0.567900
ATOM	1727	N	SER	112	11.330	4.871	6.779	-0.415700
ATOM	1728	H	SER	112	11.997	4.473	7.425	0.271900
ATOM	1729	CA	SER	112	11.695	6.091	6.060	-0.024900
ATOM	1730	HA	SER	112	10.887	6.815	6.167	0.084300
ATOM	1731	CB	SER	112	12.935	6.700	6.725	0.211700
ATOM	1732	HB2	SER	112	13.253	7.589	6.180	0.035200
ATOM	1733	HB3	SER	112	12.686	6.992	7.745	0.035200
ATOM	1734	OG	SER	112	13.978	5.753	6.762	-0.654600
ATOM	1735	HG	SER	112	14.360	5.694	5.884	0.427500
ATOM	1736	C	SER	112	11.910	5.883	4.561	0.597300
ATOM	1737	O	SER	112	11.819	6.833	3.786	-0.567900
ATOM	1738	N	GLY	113	12.138	4.662	4.105	-0.415700
ATOM	1739	H	GLY	113	12.214	3.915	4.781	0.271900
ATOM	1740	CA	GLY	113	12.352	4.347	2.693	-0.025200
ATOM	1741	HA2	GLY	113	12.547	5.251	2.116	0.069800
ATOM	1742	HA3	GLY	113	13.228	3.705	2.601	0.069800
ATOM	1743	C	GLY	113	11.170	3.627	2.046	0.597300
ATOM	1744	O	GLY	113	11.378	2.987	1.012	-0.567900
ATOM	1745	N	HID	114	9.977	3.703	2.645	-0.415700
ATOM	1746	H	HID	114	9.877	4.215	3.510	0.271900
ATOM	1747	CA	HID	114	8.815	3.035	2.075	0.018800

ATOM	1748	HA	HID	114	9.088	1.992	1.918	0.088100
ATOM	1749	CB	HID	114	7.645	3.064	3.086	-0.046200
ATOM	1750	HB2	HID	114	8.035	2.884	4.088	0.040200
ATOM	1751	HB3	HID	114	7.200	4.059	3.093	0.040200
ATOM	1752	CG	HID	114	6.560	2.041	2.836	-0.026600
ATOM	1753	ND1	HID	114	5.667	2.084	1.774	-0.381100
ATOM	1754	HD1	HID	114	5.597	2.809	1.075	0.364900
ATOM	1755	CE1	HID	114	4.890	0.996	1.825	0.205700
ATOM	1756	HE1	HID	114	4.118	0.751	1.110	0.139200
ATOM	1757	NE2	HID	114	5.210	0.263	2.882	-0.572700
ATOM	1758	CD2	HID	114	6.257	0.906	3.531	0.129200
ATOM	1759	HD2	HID	114	6.757	0.547	4.419	0.114700
ATOM	1760	C	HID	114	8.389	3.640	0.739	0.597300
ATOM	1761	O	HID	114	8.294	4.869	0.599	-0.567900
ATOM	1762	N	ILE	115	8.128	2.741	-0.219	-0.415700
ATOM	1763	H	ILE	115	8.214	1.760	0.005	0.271900
ATOM	1764	CA	ILE	115	7.618	3.088	-1.547	-0.059700
ATOM	1765	HA	ILE	115	7.407	4.157	-1.597	0.086900
ATOM	1766	CB	ILE	115	8.653	2.730	-2.637	0.130300
ATOM	1767	HB	ILE	115	8.873	1.665	-2.551	0.018700
ATOM	1768	CG2	ILE	115	8.123	2.982	-4.064	-0.320400
ATOM	1769	1HG2	ILE	115	7.715	3.988	-4.154	0.088200
ATOM	1770	2HG2	ILE	115	8.922	2.839	-4.792	0.088200
ATOM	1771	3HG2	ILE	115	7.343	2.260	-4.308	0.088200
ATOM	1772	CG1	ILE	115	9.977	3.476	-2.463	-0.043000
ATOM	1773	2HG1	ILE	115	10.340	3.351	-1.443	0.023600
ATOM	1774	3HG1	ILE	115	10.709	2.990	-3.108	0.023600
ATOM	1775	CD1	ILE	115	9.990	4.952	-2.798	-0.066000
ATOM	1776	1HD1	ILE	115	9.256	5.476	-2.186	0.018600
ATOM	1777	2HD1	ILE	115	10.978	5.360	-2.584	0.018600
ATOM	1778	3HD1	ILE	115	9.772	5.115	-3.854	0.018600
ATOM	1779	C	ILE	115	6.336	2.322	-1.845	0.597300
ATOM	1780	O	ILE	115	6.275	1.120	-1.623	-0.567900
ATOM	1781	N	CYS	116	5.331	3.057	-2.339	-0.415700
ATOM	1782	H	CYS	116	5.476	4.046	-2.488	0.271900
ATOM	1783	CA	CYS	116	4.110	2.453	-2.888	0.021300
ATOM	1784	HA	CYS	116	4.061	1.412	-2.567	0.112400
ATOM	1785	CB	CYS	116	2.828	3.154	-2.395	-0.123100
ATOM	1786	HB2	CYS	116	2.855	4.202	-2.695	0.111200
ATOM	1787	HB3	CYS	116	1.975	2.679	-2.880	0.111200
ATOM	1788	SG	CYS	116	2.580	3.055	-0.578	-0.311900
ATOM	1789	HG	CYS	116	3.527	3.927	-0.219	0.193300
ATOM	1790	C	CYS	116	4.216	2.461	-4.418	0.597300
ATOM	1791	O	CYS	116	4.769	3.425	-4.966	-0.567900
ATOM	1792	N	TYR	117	3.736	1.426	-5.082	-0.415700
ATOM	1793	H	TYR	117	3.298	0.681	-4.560	0.271900
ATOM	1794	CA	TYR	117	3.869	1.297	-6.544	-0.001400
ATOM	1795	HA	TYR	117	4.498	2.099	-6.931	0.087600
ATOM	1796	CB	TYR	117	4.573	-0.005	-6.902	-0.015200
ATOM	1797	HB2	TYR	117	3.974	-0.846	-6.554	0.029500
ATOM	1798	HB3	TYR	117	4.631	-0.082	-7.987	0.029500
ATOM	1799	CG	TYR	117	5.977	-0.135	-6.331	-0.001100
ATOM	1800	CD1	TYR	117	7.060	0.383	-7.039	-0.190600
ATOM	1801	HD1	TYR	117	6.899	0.883	-7.983	0.169900
ATOM	1802	CE1	TYR	117	8.365	0.261	-6.538	-0.234100
ATOM	1803	HE1	TYR	117	9.205	0.664	-7.084	0.165600
ATOM	1804	CZ	TYR	117	8.582	-0.359	-5.310	0.322600
ATOM	1805	OH	TYR	117	9.866	-0.437	-4.831	-0.557900
ATOM	1806	HH	TYR	117	9.895	-0.767	-3.930	0.399200
ATOM	1807	CE2	TYR	117	7.503	-0.901	-4.609	-0.234100
ATOM	1808	HE2	TYR	117	7.665	-1.403	-3.666	0.165600
ATOM	1809	CD2	TYR	117	6.208	-0.778	-5.115	-0.190600
ATOM	1810	HD2	TYR	117	5.378	-1.187	-4.557	0.169900
ATOM	1811	C	TYR	117	2.498	1.422	-7.198	0.597300
ATOM	1812	O	TYR	117	1.641	0.557	-7.013	-0.567900
ATOM	1813	N	PHE	118	2.341	2.486	-8.001	-0.415700
ATOM	1814	H	PHE	118	3.102	3.139	-8.120	0.271900
ATOM	1815	CA	PHE	118	1.094	2.718	-8.772	-0.002400
ATOM	1816	HA	PHE	118	0.261	2.212	-8.285	0.097800
ATOM	1817	CB	PHE	118	0.794	4.215	-8.769	-0.034300

ATOM	1818	HB2 PHE	118	0.687	4.538	-7.733	0.029500
ATOM	1819	HB3 PHE	118	1.649	4.748	-9.185	0.029500
ATOM	1820	CG PHE	118	-0.451	4.628	-9.510	0.011800
ATOM	1821	CD1 PHE	118	-1.708	4.418	-8.945	-0.125600
ATOM	1822	HD1 PHE	118	-1.779	3.939	-7.980	0.133000
ATOM	1823	CE1 PHE	118	-2.878	4.785	-9.602	-0.170400
ATOM	1824	HE1 PHE	118	-3.843	4.603	-9.152	0.143000
ATOM	1825	CZ PHE	118	-2.789	5.411	-10.843	-0.107200
ATOM	1826	HZ PHE	118	-3.683	5.715	-11.366	0.129700
ATOM	1827	CE2 PHE	118	-1.540	5.635	-11.409	-0.170400
ATOM	1828	HE2 PHE	118	-1.472	6.123	-12.370	0.143000
ATOM	1829	CD2 PHE	118	-0.367	5.251	-10.756	-0.125600
ATOM	1830	HD2 PHE	118	0.594	5.468	-11.197	0.133000
ATOM	1831	C PHE	118	1.216	2.172	-10.198	0.597300
ATOM	1832	O PHE	118	2.072	2.660	-10.952	-0.567900
ATOM	1833	N VAL	119	0.439	1.162	-10.548	-0.415700
ATOM	1834	H VAL	119	-0.280	0.856	-9.907	0.271900
ATOM	1835	CA VAL	119	0.567	0.459	-11.825	-0.087500
ATOM	1836	HA VAL	119	1.462	0.802	-12.344	0.096900
ATOM	1837	CB VAL	119	0.734	-1.046	-11.570	0.298500
ATOM	1838	HB VAL	119	-0.180	-1.424	-11.112	-0.029700
ATOM	1839	CG1 VAL	119	0.973	-1.848	-12.855	-0.319200
ATOM	1840	1HG1 VAL	119	1.079	-2.908	-12.621	0.079100
ATOM	1841	2HG1 VAL	119	0.126	-1.737	-13.532	0.079100
ATOM	1842	3HG1 VAL	119	1.877	-1.499	-13.354	0.079100
ATOM	1843	CG2 VAL	119	1.889	-1.312	-10.595	-0.319200
ATOM	1844	1HG2 VAL	119	2.788	-0.793	-10.927	0.079100
ATOM	1845	2HG2 VAL	119	1.626	-0.960	-9.598	0.079100
ATOM	1846	3HG2 VAL	119	2.096	-2.381	-10.535	0.079100
ATOM	1847	C VAL	119	-0.634	0.729	-12.714	0.597300
ATOM	1848	O VAL	119	-1.762	0.572	-12.259	-0.567900
ATOM	1849	N SER	120	-0.406	1.124	-13.968	-0.415700
ATOM	1850	H SER	120	0.540	1.211	-14.309	0.271900
ATOM	1851	CA SER	120	-1.523	1.414	-14.872	-0.024900
ATOM	1852	HA SER	120	-2.406	0.860	-14.554	0.084300
ATOM	1853	CB SER	120	-1.825	2.907	-14.838	0.211700
ATOM	1854	HB2 SER	120	-2.673	3.123	-15.487	0.035200
ATOM	1855	HB3 SER	120	-2.096	3.197	-13.823	0.035200
ATOM	1856	OG SER	120	-0.722	3.672	-15.253	-0.654600
ATOM	1857	HG SER	120	-0.107	3.718	-14.517	0.427500
ATOM	1858	C SER	120	-1.200	1.001	-16.296	0.597300
ATOM	1859	O SER	120	-0.078	0.638	-16.647	-0.567900
ATOM	1860	N LYS	121	-2.225	1.100	-17.136	-0.347900
ATOM	1861	H LYS	121	-3.125	1.370	-16.767	0.274700
ATOM	1862	CA LYS	121	-2.093	0.806	-18.560	-0.240000
ATOM	1863	HA LYS	121	-1.090	0.440	-18.779	0.142600
ATOM	1864	CB LYS	121	-3.017	-0.354	-18.903	-0.009400
ATOM	1865	HB2 LYS	121	-2.700	-1.200	-18.292	0.036200
ATOM	1866	HB3 LYS	121	-4.045	-0.109	-18.633	0.036200
ATOM	1867	CG LYS	121	-3.014	-0.772	-20.373	0.018700
ATOM	1868	HG2 LYS	121	-3.740	-0.168	-20.918	0.010300
ATOM	1869	HG3 LYS	121	-2.023	-0.599	-20.792	0.010300
ATOM	1870	CD LYS	121	-3.362	-2.252	-20.485	-0.047900
ATOM	1871	HD2 LYS	121	-2.450	-2.829	-20.332	0.062100
ATOM	1872	HD3 LYS	121	-4.044	-2.508	-19.675	0.062100
ATOM	1873	CE LYS	121	-3.972	-2.628	-21.830	-0.014300
ATOM	1874	HE2 LYS	121	-4.783	-1.932	-22.047	0.113500
ATOM	1875	HE3 LYS	121	-3.219	-2.519	-22.610	0.113500
ATOM	1876	NZ LYS	121	-4.504	-4.016	-21.826	-0.385400
ATOM	1877	HZ1 LYS	121	-4.912	-4.241	-22.722	0.340000
ATOM	1878	HZ2 LYS	121	-3.748	-4.666	-21.664	0.340000
ATOM	1879	HZ3 LYS	121	-5.173	-4.143	-21.080	0.340000
ATOM	1880	C LYS	121	-2.387	2.060	-19.373	0.734100
ATOM	1881	O LYS	121	-3.547	2.447	-19.523	-0.589400
ATOM	1882	N PRO	122	-1.347	2.711	-19.890	-0.254800
ATOM	1883	CD PRO	122	0.060	2.308	-19.750	0.019200
ATOM	1884	HD2 PRO	122	0.247	1.401	-20.323	0.039100
ATOM	1885	HD3 PRO	122	0.341	2.171	-18.705	0.039100
ATOM	1886	CG PRO	122	0.847	3.447	-20.337	0.018900
ATOM	1887	HG2 PRO	122	1.716	3.087	-20.888	0.021300

ATOM	1888	HG3 PRO	122	1.172	4.101	-19.527	0.021300
ATOM	1889	CB PRO	122	-0.099	4.208	-21.225	-0.007000
ATOM	1890	HB2 PRO	122	-0.002	3.831	-22.244	0.025300
ATOM	1891	HB3 PRO	122	0.112	5.277	-21.210	0.025300
ATOM	1892	CA PRO	122	-1.493	3.919	-20.686	-0.026600
ATOM	1893	HA PRO	122	-1.814	4.733	-20.037	0.064100
ATOM	1894	C PRO	122	-2.484	3.709	-21.824	0.589600
ATOM	1895	O PRO	122	-2.374	2.731	-22.567	-0.574800
ATOM	1896	N GLY	123	-3.498	4.561	-21.915	-0.415700
ATOM	1897	H GLY	123	-3.512	5.349	-21.283	0.271900
ATOM	1898	CA GLY	123	-4.531	4.468	-22.940	-0.025200
ATOM	1899	HA2 GLY	123	-5.084	5.407	-22.944	0.069800
ATOM	1900	HA3 GLY	123	-4.065	4.360	-23.919	0.069800
ATOM	1901	C GLY	123	-5.548	3.346	-22.770	0.597300
ATOM	1902	O GLY	123	-6.439	3.175	-23.608	-0.567900
ATOM	1903	N GLY	124	-5.453	2.575	-21.698	-0.415700
ATOM	1904	H GLY	124	-4.718	2.759	-21.030	0.271900
ATOM	1905	CA GLY	124	-6.348	1.466	-21.429	-0.025200
ATOM	1906	HA2 GLY	124	-6.582	0.928	-22.348	0.069800
ATOM	1907	HA3 GLY	124	-5.854	0.774	-20.747	0.069800
ATOM	1908	C GLY	124	-7.643	1.917	-20.774	0.597300
ATOM	1909	O GLY	124	-7.812	3.093	-20.451	-0.567900
ATOM	1910	N SER	125	-8.548	0.971	-20.558	-0.415700
ATOM	1911	H SER	125	-8.356	0.024	-20.853	0.271900
ATOM	1912	CA SER	125	-9.832	1.291	-19.937	-0.024900
ATOM	1913	HA SER	125	-9.940	2.366	-19.792	0.084300
ATOM	1914	CB SER	125	-10.954	0.848	-20.879	0.211700
ATOM	1915	HB2 SER	125	-11.926	0.982	-20.404	0.035200
ATOM	1916	HB3 SER	125	-10.918	1.462	-21.779	0.035200
ATOM	1917	OG SER	125	-10.779	-0.508	-21.247	-0.654600
ATOM	1918	HG SER	125	-11.058	-1.061	-20.513	0.427500
ATOM	1919	C SER	125	-10.012	0.654	-18.571	0.597300
ATOM	1920	O SER	125	-11.030	0.894	-17.914	-0.567900
ATOM	1921	N GLU	126	-9.046	-0.150	-18.140	-0.516300
ATOM	1922	H GLU	126	-8.212	-0.257	-18.701	0.293600
ATOM	1923	CA GLU	126	-9.133	-0.865	-16.879	0.039700
ATOM	1924	HA GLU	126	-10.179	-1.144	-16.754	0.110500
ATOM	1925	CB GLU	126	-8.304	-2.140	-16.838	0.056000
ATOM	1926	HB2 GLU	126	-7.318	-1.808	-16.513	-0.017300
ATOM	1927	HB3 GLU	126	-8.694	-2.773	-16.041	-0.017300
ATOM	1928	CG GLU	126	-8.139	-2.995	-18.087	0.013600
ATOM	1929	HG2 GLU	126	-8.725	-3.907	-17.975	-0.042500
ATOM	1930	HG3 GLU	126	-8.490	-2.471	-18.976	-0.042500
ATOM	1931	CD GLU	126	-6.663	-3.352	-18.243	0.805400
ATOM	1932	OE1 GLU	126	-6.016	-3.637	-17.210	-0.818800
ATOM	1933	OE2 GLU	126	-6.161	-3.321	-19.390	-0.818800
ATOM	1934	C GLU	126	-8.627	0.027	-15.743	0.536600
ATOM	1935	O GLU	126	-7.724	0.840	-15.927	-0.581900
ATOM	1936	N PRO	127	-9.160	-0.185	-14.548	-0.254800
ATOM	1937	CD PRO	127	-10.230	-1.147	-14.227	0.019200
ATOM	1938	HD2 PRO	127	-9.803	-2.103	-13.923	0.039100
ATOM	1939	HD3 PRO	127	-10.979	-1.278	-15.008	0.039100
ATOM	1940	CG PRO	127	-10.905	-0.473	-13.052	0.018900
ATOM	1941	HG2 PRO	127	-11.462	-1.186	-12.443	0.021300
ATOM	1942	HG3 PRO	127	-11.559	0.331	-13.390	0.021300
ATOM	1943	CB PRO	127	-9.727	0.105	-12.303	-0.007000
ATOM	1944	HB2 PRO	127	-9.284	-0.678	-11.689	0.025300
ATOM	1945	HB3 PRO	127	-10.030	0.941	-11.671	0.025300
ATOM	1946	CA PRO	127	-8.740	0.551	-13.376	-0.026600
ATOM	1947	HA PRO	127	-8.876	1.612	-13.586	0.064100
ATOM	1948	C PRO	127	-7.301	0.199	-12.991	0.589600
ATOM	1949	O PRO	127	-6.833	-0.920	-13.205	-0.574800
ATOM	1950	N PRO	128	-6.607	1.203	-12.459	-0.254800
ATOM	1951	CD PRO	128	-7.095	2.572	-12.256	0.019200
ATOM	1952	HD2 PRO	128	-7.990	2.604	-11.635	0.039100
ATOM	1953	HD3 PRO	128	-7.276	3.031	-13.228	0.039100
ATOM	1954	CG PRO	128	-5.965	3.307	-11.579	0.018900
ATOM	1955	HG2 PRO	128	-6.128	3.287	-10.501	0.021300
ATOM	1956	HG3 PRO	128	-5.883	4.334	-11.935	0.021300
ATOM	1957	CB PRO	128	-4.744	2.504	-11.905	-0.007000

ATOM	1958	HB2 PRO	128	-3.964	2.633	-11.155	0.025300
ATOM	1959	HB3 PRO	128	-4.360	2.817	-12.876	0.025300
ATOM	1960	CA PRO	128	-5.222	1.068	-11.998	-0.026600
ATOM	1961	HA PRO	128	-4.605	0.515	-12.706	0.064100
ATOM	1962	C PRO	128	-5.150	0.358	-10.643	0.589600
ATOM	1963	O PRO	128	-6.174	0.081	-10.011	-0.574800
ATOM	1964	N ALA	129	-3.940	0.013	-10.210	-0.415700
ATOM	1965	H ALA	129	-3.138	0.254	-10.774	0.271900
ATOM	1966	CA ALA	129	-3.696	-0.675	-8.942	0.033700
ATOM	1967	HA ALA	129	-4.592	-0.682	-8.323	0.082300
ATOM	1968	CB ALA	129	-3.254	-2.112	-9.199	-0.182500
ATOM	1969	HB1 ALA	129	-3.039	-2.613	-8.255	0.060300
ATOM	1970	HB2 ALA	129	-4.044	-2.654	-9.720	0.060300
ATOM	1971	HB3 ALA	129	-2.357	-2.121	-9.817	0.060300
ATOM	1972	C ALA	129	-2.577	0.022	-8.174	0.597300
ATOM	1973	O ALA	129	-1.664	0.626	-8.756	-0.567900
ATOM	1974	N VAL	130	-2.658	-0.026	-6.840	-0.415700
ATOM	1975	H VAL	130	-3.433	-0.491	-6.389	0.271900
ATOM	1976	CA VAL	130	-1.580	0.552	-6.010	-0.087500
ATOM	1977	HA VAL	130	-0.701	0.676	-6.642	0.096900
ATOM	1978	CB VAL	130	-1.882	1.942	-5.459	0.298500
ATOM	1979	HB VAL	130	-2.210	2.568	-6.290	-0.029700
ATOM	1980	CG1 VAL	130	-3.011	1.923	-4.421	-0.319200
ATOM	1981	1HG1 VAL	130	-3.303	2.944	-4.176	0.079100
ATOM	1982	2HG1 VAL	130	-3.879	1.398	-4.819	0.079100
ATOM	1983	3HG1 VAL	130	-2.694	1.420	-3.508	0.079100
ATOM	1984	CG2 VAL	130	-0.642	2.593	-4.847	-0.319200
ATOM	1985	1HG2 VAL	130	-0.881	3.612	-4.544	0.079100
ATOM	1986	2HG2 VAL	130	-0.299	2.030	-3.979	0.079100
ATOM	1987	3HG2 VAL	130	0.156	2.634	-5.589	0.079100
ATOM	1988	C VAL	130	-1.193	-0.465	-4.939	0.597300
ATOM	1989	O VAL	130	-2.054	-1.005	-4.240	-0.567900
ATOM	1990	N PHE	131	0.111	-0.768	-4.862	-0.415700
ATOM	1991	H PHE	131	0.726	-0.326	-5.530	0.271900
ATOM	1992	CA PHE	131	0.724	-1.726	-3.927	-0.002400
ATOM	1993	HA PHE	131	-0.050	-2.382	-3.528	0.097800
ATOM	1994	CB PHE	131	1.754	-2.619	-4.650	-0.034300
ATOM	1995	HB2 PHE	131	2.558	-2.004	-5.056	0.029500
ATOM	1996	HB3 PHE	131	2.183	-3.322	-3.936	0.029500
ATOM	1997	CG PHE	131	1.065	-3.370	-5.761	0.011800
ATOM	1998	CD1 PHE	131	0.425	-4.579	-5.496	-0.125600
ATOM	1999	HD1 PHE	131	0.462	-5.003	-4.504	0.133000
ATOM	2000	CE1 PHE	131	-0.293	-5.225	-6.497	-0.170400
ATOM	2001	HE1 PHE	131	-0.797	-6.154	-6.275	0.143000
ATOM	2002	CZ PHE	131	-0.359	-4.684	-7.783	-0.107200
ATOM	2003	HZ PHE	131	-0.914	-5.187	-8.561	0.129700
ATOM	2004	CE2 PHE	131	0.264	-3.467	-8.039	-0.170400
ATOM	2005	HE2 PHE	131	0.193	-3.031	-9.024	0.143000
ATOM	2006	CD2 PHE	131	0.991	-2.816	-7.044	-0.125600
ATOM	2007	HD2 PHE	131	1.480	-1.878	-7.262	0.133000
ATOM	2008	C PHE	131	1.308	-0.898	-2.787	0.597300
ATOM	2009	O PHE	131	2.259	-0.128	-2.966	-0.567900
ATOM	2010	N THR	132	0.605	-0.973	-1.645	-0.415700
ATOM	2011	H THR	132	-0.147	-1.644	-1.577	0.271900
ATOM	2012	CA THR	132	0.813	-0.067	-0.516	-0.038900
ATOM	2013	HA THR	132	1.366	0.800	-0.877	0.100700
ATOM	2014	CB THR	132	-0.554	0.430	0.010	0.365400
ATOM	2015	HB THR	132	-0.395	1.111	0.846	0.004300
ATOM	2016	CG2 THR	132	-1.341	1.175	-1.067	-0.243800
ATOM	2017	1HG2 THR	132	-1.593	0.481	-1.869	0.064200
ATOM	2018	2HG2 THR	132	-2.263	1.569	-0.640	0.064200
ATOM	2019	3HG2 THR	132	-0.744	1.998	-1.459	0.064200
ATOM	2020	OG1 THR	132	-1.325	-0.700	0.454	-0.676100
ATOM	2021	HG1 THR	132	-1.376	-0.686	1.412	0.410200
ATOM	2022	C THR	132	1.616	-0.623	0.647	0.597300
ATOM	2023	O THR	132	1.748	0.101	1.648	-0.567900
ATOM	2024	N GLY	133	2.137	-1.845	0.565	-0.415700
ATOM	2025	H GLY	133	1.979	-2.421	-0.250	0.271900
ATOM	2026	CA GLY	133	2.987	-2.368	1.638	-0.025200
ATOM	2027	HA2 GLY	133	3.161	-3.434	1.490	0.069800

ATOM	2028	HA3	GLY	133	3.952	-1.861	1.619	0.069800
ATOM	2029	C	GLY	133	2.335	-2.177	3.008	0.597300
ATOM	2030	O	GLY	133	1.196	-2.591	3.215	-0.567900
ATOM	2031	N	ASP	134	3.117	-1.605	3.936	-0.516300
ATOM	2032	H	ASP	134	4.060	-1.335	3.694	0.293600
ATOM	2033	CA	ASP	134	2.656	-1.405	5.318	0.223035
ATOM	2034	HA	ASP	134	1.718	-1.940	5.465	0.088000
ATOM	2035	CB	ASP	134	3.661	-1.999	6.314	-0.480278
ATOM	2036	HB2	ASP	134	4.644	-1.582	6.099	0.110942
ATOM	2037	HB3	ASP	134	3.370	-1.727	7.329	0.118922
ATOM	2038	CG	ASP	134	3.718	-3.520	6.230	0.781664
ATOM	2039	OD1	ASP	134	3.012	-4.144	5.406	-0.636708
ATOM	2040	OD2	ASP	134	4.449	-4.087	7.080	-0.644283
ATOM	2041	C	ASP	134	2.333	0.059	5.584	0.536600
ATOM	2042	O	ASP	134	2.296	0.519	6.724	-0.581900
ATOM	2043	N	THR	135	2.055	0.856	4.547	-0.415700
ATOM	2044	H	THR	135	2.101	0.440	3.628	0.271900
ATOM	2045	CA	THR	135	1.571	2.227	4.700	-0.038900
ATOM	2046	HA	THR	135	2.006	2.662	5.600	0.100700
ATOM	2047	CB	THR	135	1.989	3.119	3.520	0.365400
ATOM	2048	HB	THR	135	1.673	2.667	2.580	0.004300
ATOM	2049	CG2	THR	135	1.428	4.540	3.603	-0.243800
ATOM	2050	1HG2	THR	135	0.339	4.525	3.573	0.064200
ATOM	2051	2HG2	THR	135	1.758	5.022	4.524	0.064200
ATOM	2052	3HG2	THR	135	1.783	5.109	2.744	0.064200
ATOM	2053	OG1	THR	135	3.407	3.212	3.550	-0.676100
ATOM	2054	HG1	THR	135	3.742	2.320	3.436	0.410200
ATOM	2055	C	THR	135	0.055	2.222	4.900	0.597300
ATOM	2056	O	THR	135	-0.444	2.665	5.943	-0.567900
ATOM	2057	N	LEU	136	-0.709	1.703	3.943	-0.415700
ATOM	2058	H	LEU	136	-0.231	1.236	3.185	0.271900
ATOM	2059	CA	LEU	136	-2.170	1.647	3.936	-0.051800
ATOM	2060	HA	LEU	136	-2.562	2.126	4.833	0.092200
ATOM	2061	CB	LEU	136	-2.716	2.399	2.696	-0.110200
ATOM	2062	HB2	LEU	136	-2.446	3.452	2.780	0.045700
ATOM	2063	HB3	LEU	136	-2.217	2.002	1.812	0.045700
ATOM	2064	CG	LEU	136	-4.232	2.294	2.463	0.353100
ATOM	2065	HG	LEU	136	-4.502	1.240	2.400	-0.036100
ATOM	2066	CD1	LEU	136	-5.051	2.917	3.595	-0.412100
ATOM	2067	1HD1	LEU	136	-4.836	2.408	4.535	0.100000
ATOM	2068	2HD1	LEU	136	-4.815	3.976	3.695	0.100000
ATOM	2069	3HD1	LEU	136	-6.114	2.807	3.381	0.100000
ATOM	2070	CD2	LEU	136	-4.642	2.933	1.139	-0.412100
ATOM	2071	1HD2	LEU	136	-5.719	2.835	1.000	0.100000
ATOM	2072	2HD2	LEU	136	-4.377	3.990	1.137	0.100000
ATOM	2073	3HD2	LEU	136	-4.135	2.430	0.315	0.100000
ATOM	2074	C	LEU	136	-2.582	0.179	3.951	0.597300
ATOM	2075	O	LEU	136	-2.151	-0.569	3.067	-0.567900
ATOM	2076	N	PHE	137	-3.348	-0.244	4.955	-0.415700
ATOM	2077	H	PHE	137	-3.682	0.428	5.631	0.271900
ATOM	2078	CA	PHE	137	-3.965	-1.575	4.944	-0.002400
ATOM	2079	HA	PHE	137	-3.543	-2.211	4.166	0.097800
ATOM	2080	CB	PHE	137	-3.807	-2.258	6.311	-0.034300
ATOM	2081	HB2	PHE	137	-4.273	-1.624	7.065	0.029500
ATOM	2082	HB3	PHE	137	-4.357	-3.199	6.313	0.029500
ATOM	2083	CG	PHE	137	-2.409	-2.565	6.740	0.011800
ATOM	2084	CD1	PHE	137	-1.564	-3.300	5.909	-0.125600
ATOM	2085	HD1	PHE	137	-1.932	-3.673	4.965	0.133000
ATOM	2086	CE1	PHE	137	-0.246	-3.574	6.266	-0.170400
ATOM	2087	HE1	PHE	137	0.408	-4.106	5.590	0.143000
ATOM	2088	CZ	PHE	137	0.235	-3.124	7.494	-0.107200
ATOM	2089	HZ	PHE	137	1.263	-3.310	7.771	0.129700
ATOM	2090	CE2	PHE	137	-0.592	-2.382	8.323	-0.170400
ATOM	2091	HE2	PHE	137	-0.180	-1.967	9.231	0.143000
ATOM	2092	CD2	PHE	137	-1.899	-2.104	7.949	-0.125600
ATOM	2093	HD2	PHE	137	-2.515	-1.505	8.603	0.133000
ATOM	2094	C	PHE	137	-5.458	-1.410	4.684	0.597300
ATOM	2095	O	PHE	137	-5.971	-0.281	4.737	-0.567900
ATOM	2096	N	VAL	138	-6.216	-2.485	4.454	-0.415700
ATOM	2097	H	VAL	138	-5.792	-3.400	4.513	0.271900

ATOM	2098	CA	VAL	138	-7.683	-2.399	4.327	-0.087500
ATOM	2099	HA	VAL	138	-7.912	-1.603	3.618	0.096900
ATOM	2100	CB	VAL	138	-8.331	-3.702	3.815	0.298500
ATOM	2101	HB	VAL	138	-8.109	-4.494	4.531	-0.029700
ATOM	2102	CG1	VAL	138	-9.841	-3.526	3.705	-0.319200
ATOM	2103	1HG1	VAL	138	-10.080	-2.736	2.993	0.079100
ATOM	2104	2HG1	VAL	138	-10.281	-4.459	3.356	0.079100
ATOM	2105	3HG1	VAL	138	-10.278	-3.288	4.675	0.079100
ATOM	2106	CG2	VAL	138	-7.751	-4.082	2.463	-0.319200
ATOM	2107	1HG2	VAL	138	-7.880	-3.267	1.750	0.079100
ATOM	2108	2HG2	VAL	138	-6.690	-4.314	2.562	0.079100
ATOM	2109	3HG2	VAL	138	-8.256	-4.973	2.090	0.079100
ATOM	2110	C	VAL	138	-8.222	-2.013	5.706	0.597300
ATOM	2111	O	VAL	138	-8.116	-2.754	6.686	-0.567900
ATOM	2112	N	ALA	139	-8.768	-0.792	5.810	-0.415700
ATOM	2113	H	ALA	139	-8.737	-0.194	4.996	0.271900
ATOM	2114	CA	ALA	139	-9.289	-0.226	7.044	0.033700
ATOM	2115	HA	ALA	139	-9.733	0.731	6.771	0.082300
ATOM	2116	CB	ALA	139	-10.436	-1.084	7.614	-0.182500
ATOM	2117	HB1	ALA	139	-11.127	-1.359	6.817	0.060300
ATOM	2118	HB2	ALA	139	-10.050	-1.990	8.081	0.060300
ATOM	2119	HB3	ALA	139	-10.982	-0.511	8.363	0.060300
ATOM	2120	C	ALA	139	-8.269	0.090	8.129	0.597300
ATOM	2121	O	ALA	139	-8.659	0.364	9.263	-0.567900
ATOM	2122	N	GLY	140	-6.972	0.143	7.819	-0.415700
ATOM	2123	H	GLY	140	-6.693	0.004	6.858	0.271900
ATOM	2124	CA	GLY	140	-5.937	0.457	8.799	-0.025200
ATOM	2125	HA2	GLY	140	-6.325	1.125	9.568	0.069800
ATOM	2126	HA3	GLY	140	-5.645	-0.474	9.284	0.069800
ATOM	2127	C	GLY	140	-4.689	1.114	8.209	0.597300
ATOM	2128	O	GLY	140	-4.724	1.583	7.058	-0.567900
ATOM	2129	N	CYS	141	-3.594	1.141	8.958	-0.415700
ATOM	2130	H	CYS	141	-3.589	0.637	9.833	0.271900
ATOM	2131	CA	CYS	141	-2.323	1.704	8.512	0.021300
ATOM	2132	HA	CYS	141	-2.167	1.424	7.470	0.112400
ATOM	2133	CB	CYS	141	-2.252	3.244	8.599	-0.123100
ATOM	2134	HB2	CYS	141	-1.429	3.599	7.979	0.111200
ATOM	2135	HB3	CYS	141	-3.170	3.656	8.182	0.111200
ATOM	2136	SG	CYS	141	-2.016	3.907	10.268	-0.311900
ATOM	2137	HG	CYS	141	-0.732	3.558	10.389	0.193300
ATOM	2138	C	CYS	141	-1.185	1.097	9.317	0.597300
ATOM	2139	O	CYS	141	-1.408	0.448	10.351	-0.567900
ATOM	2140	N	GLY	142	0.043	1.286	8.840	-0.415700
ATOM	2141	H	GLY	142	0.190	1.758	7.959	0.271900
ATOM	2142	CA	GLY	142	1.198	0.743	9.558	-0.025200
ATOM	2143	HA2	GLY	142	1.032	-0.314	9.767	0.069800
ATOM	2144	HA3	GLY	142	2.099	0.814	8.948	0.069800
ATOM	2145	C	GLY	142	1.511	1.474	10.849	0.597300
ATOM	2146	O	GLY	142	1.215	2.667	10.961	-0.567900
ATOM	2147	N	LYS	143	2.169	0.743	11.750	-0.347900
ATOM	2148	H	LYS	143	2.356	-0.229	11.550	0.274700
ATOM	2149	CA	LYS	143	2.681	1.372	12.972	-0.240000
ATOM	2150	HA	LYS	143	1.879	1.937	13.447	0.142600
ATOM	2151	CB	LYS	143	3.227	0.333	13.944	-0.009400
ATOM	2152	HB2	LYS	143	3.828	-0.389	13.393	0.036200
ATOM	2153	HB3	LYS	143	3.881	0.832	14.659	0.036200
ATOM	2154	CG	LYS	143	2.125	-0.387	14.725	0.018700
ATOM	2155	HG2	LYS	143	1.584	0.328	15.345	0.010300
ATOM	2156	HG3	LYS	143	1.432	-0.856	14.026	0.010300
ATOM	2157	CD	LYS	143	2.762	-1.460	15.608	-0.047900
ATOM	2158	HD2	LYS	143	3.304	-2.148	14.959	0.062100
ATOM	2159	HD3	LYS	143	3.459	-1.009	16.315	0.062100
ATOM	2160	CE	LYS	143	1.692	-2.240	16.357	-0.014300
ATOM	2161	HE2	LYS	143	1.275	-1.596	17.131	0.113500
ATOM	2162	HE3	LYS	143	0.904	-2.514	15.656	0.113500
ATOM	2163	NZ	LYS	143	2.282	-3.474	16.947	-0.385400
ATOM	2164	HZ1	LYS	143	1.580	-3.993	17.454	0.340000
ATOM	2165	HZ2	LYS	143	2.664	-4.071	16.228	0.340000
ATOM	2166	HZ3	LYS	143	3.018	-3.249	17.601	0.340000
ATOM	2167	C	LYS	143	3.762	2.365	12.531	0.734100

ATOM	2168	O	LYS	143	4.476	2.122	11.535	-0.589400
ATOM	2169	N	PHE	144	3.939	3.457	13.281	-0.415700
ATOM	2170	H	PHE	144	3.276	3.643	14.020	0.271900
ATOM	2171	CA	PHE	144	4.869	4.521	12.934	-0.002400
ATOM	2172	HA	PHE	144	4.918	4.601	11.848	0.097800
ATOM	2173	CB	PHE	144	4.343	5.862	13.462	-0.034300
ATOM	2174	HB2	PHE	144	4.363	5.832	14.551	0.029500
ATOM	2175	HB3	PHE	144	5.040	6.633	13.134	0.029500
ATOM	2176	CG	PHE	144	2.972	6.323	13.049	0.011800
ATOM	2177	CD1	PHE	144	2.161	5.697	12.100	-0.125600
ATOM	2178	HD1	PHE	144	2.510	4.818	11.577	0.133000
ATOM	2179	CE1	PHE	144	0.902	6.195	11.773	-0.170400
ATOM	2180	HE1	PHE	144	0.297	5.685	11.038	0.143000
ATOM	2181	CZ	PHE	144	0.435	7.357	12.400	-0.107200
ATOM	2182	HZ	PHE	144	-0.543	7.749	12.161	0.129700
ATOM	2183	CE2	PHE	144	1.243	8.001	13.337	-0.170400
ATOM	2184	HE2	PHE	144	0.894	8.896	13.830	0.143000
ATOM	2185	CD2	PHE	144	2.494	7.489	13.653	-0.125600
ATOM	2186	HD2	PHE	144	3.135	8.014	14.346	0.133000
ATOM	2187	C	PHE	144	6.302	4.278	13.417	0.597300
ATOM	2188	O	PHE	144	6.885	5.095	14.154	-0.567900
ATOM	2189	N	TYR	145	6.918	3.180	12.964	-0.415700
ATOM	2190	H	TYR	145	6.423	2.551	12.348	0.271900
ATOM	2191	CA	TYR	145	8.241	2.803	13.463	-0.001400
ATOM	2192	HA	TYR	145	8.172	2.736	14.549	0.087600
ATOM	2193	CB	TYR	145	8.637	1.413	12.942	-0.015200
ATOM	2194	HB2	TYR	145	8.613	1.401	11.852	0.029500
ATOM	2195	HB3	TYR	145	9.675	1.237	13.226	0.029500
ATOM	2196	CG	TYR	145	7.846	0.239	13.468	-0.001100
ATOM	2197	CD1	TYR	145	7.790	-0.065	14.832	-0.190600
ATOM	2198	HD1	TYR	145	8.321	0.551	15.542	0.169900
ATOM	2199	CE1	TYR	145	7.062	-1.161	15.290	-0.234100
ATOM	2200	HE1	TYR	145	7.020	-1.388	16.345	0.165600
ATOM	2201	CZ	TYR	145	6.385	-1.980	14.397	0.322600
ATOM	2202	OH	TYR	145	5.690	-3.059	14.857	-0.557900
ATOM	2203	HH	TYR	145	5.307	-3.561	14.134	0.399200
ATOM	2204	CE2	TYR	145	6.436	-1.704	13.040	-0.234100
ATOM	2205	HE2	TYR	145	5.914	-2.337	12.337	0.165600
ATOM	2206	CD2	TYR	145	7.141	-0.592	12.595	-0.190600
ATOM	2207	HD2	TYR	145	7.154	-0.370	11.538	0.169900
ATOM	2208	C	TYR	145	9.345	3.813	13.182	0.597300
ATOM	2209	O	TYR	145	10.239	3.966	14.026	-0.567900
ATOM	2210	N	GLU	146	9.366	4.506	12.047	-0.516300
ATOM	2211	H	GLU	146	8.639	4.336	11.367	0.293600
ATOM	2212	CA	GLU	146	10.418	5.452	11.677	0.039700
ATOM	2213	HA	GLU	146	11.063	5.647	12.533	0.110500
ATOM	2214	CB	GLU	146	11.314	4.902	10.547	0.056000
ATOM	2215	HB2	GLU	146	10.722	4.824	9.636	-0.017300
ATOM	2216	HB3	GLU	146	12.132	5.601	10.369	-0.017300
ATOM	2217	CG	GLU	146	11.922	3.538	10.888	0.013600
ATOM	2218	HG2	GLU	146	12.467	3.654	11.825	-0.042500
ATOM	2219	HG3	GLU	146	11.121	2.817	11.051	-0.042500
ATOM	2220	CD	GLU	146	12.859	2.948	9.852	0.805400
ATOM	2221	OE1	GLU	146	12.937	3.457	8.717	-0.818800
ATOM	2222	OE2	GLU	146	13.567	1.966	10.175	-0.818800
ATOM	2223	C	GLU	146	9.827	6.796	11.292	0.536600
ATOM	2224	O	GLU	146	10.343	7.453	10.395	-0.581900
ATOM	2225	N	GLY	147	8.674	7.170	11.841	-0.415700
ATOM	2226	H	GLY	147	8.242	6.612	12.563	0.271900
ATOM	2227	CA	GLY	147	8.010	8.386	11.376	-0.025200
ATOM	2228	HA2	GLY	147	8.779	9.140	11.213	0.069800
ATOM	2229	HA3	GLY	147	7.513	8.191	10.426	0.069800
ATOM	2230	C	GLY	147	7.001	8.993	12.315	0.597300
ATOM	2231	O	GLY	147	6.766	8.479	13.383	-0.567900
ATOM	2232	N	THR	148	6.433	10.111	11.874	-0.415700
ATOM	2233	H	THR	148	6.714	10.465	10.971	0.271900
ATOM	2234	CA	THR	148	5.493	10.920	12.652	-0.038900
ATOM	2235	HA	THR	148	5.478	10.601	13.695	0.100700
ATOM	2236	CB	THR	148	5.928	12.395	12.591	0.365400
ATOM	2237	HB	THR	148	5.315	12.968	13.287	0.004300

ATOM	2238	CG2 THR	148	7.373	12.601	13.028	-0.243800
ATOM	2239	1HG2 THR	148	7.576	13.670	13.089	0.064200
ATOM	2240	2HG2 THR	148	7.527	12.156	14.011	0.064200
ATOM	2241	3HG2 THR	148	8.055	12.140	12.313	0.064200
ATOM	2242	OG1 THR	148	5.789	12.864	11.260	-0.676100
ATOM	2243	HG1 THR	148	6.196	13.729	11.171	0.410200
ATOM	2244	C THR	148	4.073	10.882	12.103	0.597300
ATOM	2245	O THR	148	3.787	10.456	10.982	-0.567900
ATOM	2246	N ALA	149	3.149	11.457	12.873	-0.415700
ATOM	2247	H ALA	149	3.437	11.995	13.678	0.271900
ATOM	2248	CA ALA	149	1.763	11.572	12.460	0.033700
ATOM	2249	HA ALA	149	1.393	10.584	12.186	0.082300
ATOM	2250	CB ALA	149	0.904	12.111	13.602	-0.182500
ATOM	2251	HB1 ALA	149	0.952	11.428	14.449	0.060300
ATOM	2252	HB2 ALA	149	1.267	13.090	13.916	0.060300
ATOM	2253	HB3 ALA	149	-0.132	12.203	13.275	0.060300
ATOM	2254	C ALA	149	1.612	12.464	11.232	0.597300
ATOM	2255	O ALA	149	0.800	12.235	10.336	-0.567900
ATOM	2256	N ASP	150	2.398	13.542	11.150	-0.516300
ATOM	2257	H ASP	150	3.148	13.637	11.819	0.293600
ATOM	2258	CA ASP	150	2.361	14.416	9.992	0.038100
ATOM	2259	HA ASP	150	1.341	14.778	9.868	0.088000
ATOM	2260	CB ASP	150	3.278	15.640	10.170	-0.030300
ATOM	2261	HB2 ASP	150	3.012	16.157	11.092	-0.012200
ATOM	2262	HB3 ASP	150	4.318	15.318	10.229	-0.012200
ATOM	2263	CG ASP	150	3.085	16.606	9.011	0.799400
ATOM	2264	OD1 ASP	150	1.956	17.106	8.810	-0.801400
ATOM	2265	OD2 ASP	150	4.065	16.849	8.273	-0.801400
ATOM	2266	C ASP	150	2.738	13.666	8.710	0.536600
ATOM	2267	O ASP	150	2.117	13.823	7.657	-0.581900
ATOM	2268	N GLU	151	3.750	12.799	8.813	-0.516300
ATOM	2269	H GLU	151	4.215	12.675	9.700	0.293600
ATOM	2270	CA GLU	151	4.167	11.983	7.673	0.039700
ATOM	2271	HA GLU	151	4.360	12.622	6.812	0.110500
ATOM	2272	CB GLU	151	5.463	11.244	8.009	0.056000
ATOM	2273	HB2 GLU	151	5.378	10.762	8.983	-0.017300
ATOM	2274	HB3 GLU	151	5.618	10.475	7.253	-0.017300
ATOM	2275	CG GLU	151	6.675	12.190	7.972	0.013600
ATOM	2276	HG2 GLU	151	6.757	12.632	6.979	-0.042500
ATOM	2277	HG3 GLU	151	6.532	12.999	8.688	-0.042500
ATOM	2278	CD GLU	151	7.944	11.436	8.321	0.805400
ATOM	2279	OE1 GLU	151	7.962	10.748	9.360	-0.818800
ATOM	2280	OE2 GLU	151	8.919	11.502	7.538	-0.818800
ATOM	2281	C GLU	151	3.093	10.985	7.225	0.536600
ATOM	2282	O GLU	151	2.845	10.869	6.020	-0.581900
ATOM	2283	N MET	152	2.395	10.353	8.185	-0.415700
ATOM	2284	H MET	152	2.631	10.482	9.158	0.271900
ATOM	2285	CA MET	152	1.297	9.454	7.777	-0.023700
ATOM	2286	HA MET	152	1.685	8.790	7.006	0.088000
ATOM	2287	CB MET	152	0.800	8.585	8.933	0.034200
ATOM	2288	HB2 MET	152	1.654	8.115	9.421	0.024100
ATOM	2289	HB3 MET	152	0.295	9.210	9.670	0.024100
ATOM	2290	CG MET	152	-0.158	7.478	8.476	0.001800
ATOM	2291	HG2 MET	152	-0.481	6.904	9.345	0.044000
ATOM	2292	HG3 MET	152	-1.052	7.949	8.066	0.044000
ATOM	2293	SD MET	152	0.481	6.313	7.220	-0.273700
ATOM	2294	CE MET	152	1.410	5.153	8.220	-0.053600
ATOM	2295	HE1 MET	152	2.159	5.684	8.809	0.068400
ATOM	2296	HE2 MET	152	0.738	4.623	8.895	0.068400
ATOM	2297	HE3 MET	152	1.903	4.428	7.573	0.068400
ATOM	2298	C MET	152	0.127	10.219	7.163	0.597300
ATOM	2299	O MET	152	-0.497	9.771	6.206	-0.567900
ATOM	2300	N CYS	153	-0.184	11.424	7.664	-0.415700
ATOM	2301	H CYS	153	0.320	11.773	8.466	0.271900
ATOM	2302	CA CYS	153	-1.227	12.250	7.047	0.021300
ATOM	2303	HA CYS	153	-2.181	11.723	7.043	0.112400
ATOM	2304	CB CYS	153	-1.369	13.564	7.831	-0.123100
ATOM	2305	HB2 CYS	153	-0.382	13.962	8.069	0.111200
ATOM	2306	HB3 CYS	153	-1.865	14.289	7.185	0.111200
ATOM	2307	SG CYS	153	-2.336	13.486	9.337	-0.311900

ATOM	2308	HG	CYS	153	-1.390	12.894	10.071	0.193300
ATOM	2309	C	CYS	153	-0.872	12.582	5.597	0.597300
ATOM	2310	O	CYS	153	-1.703	12.533	4.702	-0.567900
ATOM	2311	N	LYS	154	0.398	12.960	5.371	-0.347900
ATOM	2312	H	LYS	154	1.052	13.018	6.138	0.274700
ATOM	2313	CA	LYS	154	0.828	13.252	3.996	-0.240000
ATOM	2314	HA	LYS	154	0.164	14.001	3.563	0.142600
ATOM	2315	CB	LYS	154	2.256	13.805	4.001	-0.009400
ATOM	2316	HB2	LYS	154	2.898	13.116	4.549	0.036200
ATOM	2317	HB3	LYS	154	2.603	13.842	2.969	0.036200
ATOM	2318	CG	LYS	154	2.374	15.209	4.583	0.018700
ATOM	2319	HG2	LYS	154	1.813	15.902	3.956	0.010300
ATOM	2320	HG3	LYS	154	1.954	15.241	5.589	0.010300
ATOM	2321	CD	LYS	154	3.831	15.658	4.632	-0.047900
ATOM	2322	HD2	LYS	154	4.280	15.578	3.642	0.062100
ATOM	2323	HD3	LYS	154	3.840	16.705	4.935	0.062100
ATOM	2324	CE	LYS	154	4.636	14.840	5.632	-0.014300
ATOM	2325	HE2	LYS	154	4.043	14.739	6.541	0.113500
ATOM	2326	HE3	LYS	154	4.821	13.847	5.222	0.113500
ATOM	2327	NZ	LYS	154	5.900	15.501	5.964	-0.385400
ATOM	2328	HZ1	LYS	154	5.766	16.456	6.264	0.340000
ATOM	2329	HZ2	LYS	154	6.388	14.990	6.685	0.340000
ATOM	2330	HZ3	LYS	154	6.529	15.514	5.175	0.340000
ATOM	2331	C	LYS	154	0.735	12.024	3.081	0.734100
ATOM	2332	O	LYS	154	0.205	12.058	1.967	-0.589400
ATOM	2333	N	ALA	155	1.225	10.888	3.602	-0.415700
ATOM	2334	H	ALA	155	1.649	10.887	4.518	0.271900
ATOM	2335	CA	ALA	155	1.185	9.662	2.790	0.033700
ATOM	2336	HA	ALA	155	1.718	9.834	1.855	0.082300
ATOM	2337	CB	ALA	155	1.857	8.497	3.525	-0.182500
ATOM	2338	HB1	ALA	155	1.636	7.565	3.004	0.060300
ATOM	2339	HB2	ALA	155	2.940	8.623	3.538	0.060300
ATOM	2340	HB3	ALA	155	1.481	8.421	4.545	0.060300
ATOM	2341	C	ALA	155	-0.248	9.252	2.427	0.597300
ATOM	2342	O	ALA	155	-0.537	8.873	1.286	-0.567900
ATOM	2343	N	LEU	156	-1.141	9.268	3.427	-0.415700
ATOM	2344	H	LEU	156	-0.861	9.528	4.362	0.271900
ATOM	2345	CA	LEU	156	-2.506	8.806	3.175	-0.051800
ATOM	2346	HA	LEU	156	-2.463	7.940	2.515	0.092200
ATOM	2347	CB	LEU	156	-3.189	8.337	4.480	-0.110200
ATOM	2348	HB2	LEU	156	-3.233	9.184	5.166	0.045700
ATOM	2349	HB3	LEU	156	-4.221	8.074	4.249	0.045700
ATOM	2350	CG	LEU	156	-2.539	7.173	5.232	0.353100
ATOM	2351	HG	LEU	156	-1.576	7.503	5.623	-0.036100
ATOM	2352	CD1	LEU	156	-3.417	6.757	6.412	-0.412100
ATOM	2353	1HD1	LEU	156	-3.593	7.618	7.057	0.100000
ATOM	2354	2HD1	LEU	156	-4.372	6.376	6.051	0.100000
ATOM	2355	3HD1	LEU	156	-2.908	5.985	6.990	0.100000
ATOM	2356	CD2	LEU	156	-2.282	5.960	4.337	-0.412100
ATOM	2357	1HD2	LEU	156	-1.518	6.206	3.601	0.100000
ATOM	2358	2HD2	LEU	156	-1.919	5.130	4.942	0.100000
ATOM	2359	3HD2	LEU	156	-3.204	5.671	3.832	0.100000
ATOM	2360	C	LEU	156	-3.397	9.813	2.449	0.597300
ATOM	2361	O	LEU	156	-4.142	9.429	1.534	-0.567900
ATOM	2362	N	LEU	157	-3.327	11.082	2.874	-0.415700
ATOM	2363	H	LEU	157	-2.693	11.346	3.615	0.271900
ATOM	2364	CA	LEU	157	-4.277	12.064	2.345	-0.051800
ATOM	2365	HA	LEU	157	-5.204	11.558	2.074	0.092200
ATOM	2366	CB	LEU	157	-4.622	13.108	3.412	-0.110200
ATOM	2367	HB2	LEU	157	-3.736	13.718	3.593	0.045700
ATOM	2368	HB3	LEU	157	-5.384	13.773	3.005	0.045700
ATOM	2369	CG	LEU	157	-5.119	12.581	4.764	0.353100
ATOM	2370	HG	LEU	157	-4.370	11.903	5.174	-0.036100
ATOM	2371	CD1	LEU	157	-5.278	13.711	5.780	-0.412100
ATOM	2372	1HD1	LEU	157	-4.326	14.227	5.899	0.100000
ATOM	2373	2HD1	LEU	157	-6.029	14.423	5.437	0.100000
ATOM	2374	3HD1	LEU	157	-5.577	13.296	6.742	0.100000
ATOM	2375	CD2	LEU	157	-6.417	11.792	4.621	-0.412100
ATOM	2376	1HD2	LEU	157	-7.192	12.422	4.183	0.100000
ATOM	2377	2HD2	LEU	157	-6.260	10.913	3.996	0.100000

ATOM	2378	3HD2	LEU	157	-6.746	11.457	5.605	0.100000
ATOM	2379	C	LEU	157	-3.795	12.780	1.095	0.597300
ATOM	2380	O	LEU	157	-4.644	13.111	0.261	-0.567900
ATOM	2381	N	GLU	158	-2.493	12.980	0.946	-0.516300
ATOM	2382	H	GLU	158	-1.861	12.656	1.663	0.293600
ATOM	2383	CA	GLU	158	-1.947	13.759	-0.167	0.039700
ATOM	2384	HA	GLU	158	-2.747	14.325	-0.644	0.110500
ATOM	2385	CB	GLU	158	-0.950	14.778	0.399	0.056000
ATOM	2386	HB2	GLU	158	-0.141	14.267	0.921	-0.017300
ATOM	2387	HB3	GLU	158	-0.515	15.340	-0.427	-0.017300
ATOM	2388	CG	GLU	158	-1.632	15.762	1.346	0.013600
ATOM	2389	HG2	GLU	158	-2.408	16.305	0.806	-0.042500
ATOM	2390	HG3	GLU	158	-2.148	15.197	2.123	-0.042500
ATOM	2391	CD	GLU	158	-0.732	16.737	2.077	0.805400
ATOM	2392	OE1	GLU	158	0.467	16.862	1.742	-0.818800
ATOM	2393	OE2	GLU	158	-1.259	17.401	3.004	-0.818800
ATOM	2394	C	GLU	158	-1.321	12.915	-1.259	0.536600
ATOM	2395	O	GLU	158	-1.493	13.214	-2.443	-0.581900
ATOM	2396	N	VAL	159	-0.585	11.865	-0.913	-0.415700
ATOM	2397	H	VAL	159	-0.399	11.702	0.067	0.271900
ATOM	2398	CA	VAL	159	0.047	11.011	-1.921	-0.087500
ATOM	2399	HA	VAL	159	0.299	11.605	-2.800	0.096900
ATOM	2400	CB	VAL	159	1.369	10.446	-1.374	0.298500
ATOM	2401	HB	VAL	159	1.166	9.850	-0.484	-0.029700
ATOM	2402	CG1	VAL	159	2.030	9.532	-2.399	-0.319200
ATOM	2403	1HG1	VAL	159	2.992	9.192	-2.015	0.079100
ATOM	2404	2HG1	VAL	159	1.411	8.652	-2.578	0.079100
ATOM	2405	3HG1	VAL	159	2.180	10.067	-3.336	0.079100
ATOM	2406	CG2	VAL	159	2.343	11.557	-0.984	-0.319200
ATOM	2407	1HG2	VAL	159	2.435	12.277	-1.797	0.079100
ATOM	2408	2HG2	VAL	159	1.985	12.070	-0.092	0.079100
ATOM	2409	3HG2	VAL	159	3.331	11.139	-0.792	0.079100
ATOM	2410	C	VAL	159	-0.905	9.921	-2.400	0.597300
ATOM	2411	O	VAL	159	-1.325	9.909	-3.562	-0.567900
ATOM	2412	N	LEU	160	-1.308	8.992	-1.525	-0.415700
ATOM	2413	H	LEU	160	-0.982	9.003	-0.569	0.271900
ATOM	2414	CA	LEU	160	-2.259	7.983	-1.962	-0.051800
ATOM	2415	HA	LEU	160	-1.943	7.590	-2.928	0.092200
ATOM	2416	CB	LEU	160	-2.287	6.812	-0.956	-0.110200
ATOM	2417	HB2	LEU	160	-2.606	7.203	0.010	0.045700
ATOM	2418	HB3	LEU	160	-3.037	6.092	-1.282	0.045700
ATOM	2419	CG	LEU	160	-0.951	6.074	-0.766	0.353100
ATOM	2420	HG	LEU	160	-0.171	6.777	-0.474	-0.036100
ATOM	2421	CD1	LEU	160	-1.118	5.044	0.357	-0.412100
ATOM	2422	1HD1	LEU	160	-1.409	5.554	1.275	0.100000
ATOM	2423	2HD1	LEU	160	-1.881	4.314	0.086	0.100000
ATOM	2424	3HD1	LEU	160	-0.172	4.530	0.527	0.100000
ATOM	2425	CD2	LEU	160	-0.522	5.362	-2.058	-0.412100
ATOM	2426	1HD2	LEU	160	-1.313	4.693	-2.398	0.100000
ATOM	2427	2HD2	LEU	160	-0.303	6.094	-2.836	0.100000
ATOM	2428	3HD2	LEU	160	0.383	4.785	-1.867	0.100000
ATOM	2429	C	LEU	160	-3.669	8.546	-2.169	0.597300
ATOM	2430	O	LEU	160	-4.340	8.125	-3.116	-0.567900
ATOM	2431	N	GLY	161	-4.102	9.446	-1.288	-0.415700
ATOM	2432	H	GLY	161	-3.551	9.626	-0.461	0.271900
ATOM	2433	CA	GLY	161	-5.451	9.994	-1.336	-0.025200
ATOM	2434	HA2	GLY	161	-6.164	9.180	-1.209	0.069800
ATOM	2435	HA3	GLY	161	-5.569	10.678	-0.495	0.069800
ATOM	2436	C	GLY	161	-5.821	10.752	-2.598	0.597300
ATOM	2437	O	GLY	161	-7.011	10.876	-2.908	-0.567900
ATOM	2438	N	ARG	162	-4.847	11.271	-3.340	-0.347900
ATOM	2439	H	ARG	162	-3.889	11.170	-3.035	0.274700
ATOM	2440	CA	ARG	162	-5.139	12.017	-4.576	-0.263700
ATOM	2441	HA	ARG	162	-6.154	12.410	-4.532	0.156000
ATOM	2442	CB	ARG	162	-4.203	13.226	-4.672	-0.000700
ATOM	2443	HB2	ARG	162	-3.174	12.867	-4.651	0.032700
ATOM	2444	HB3	ARG	162	-4.369	13.731	-5.624	0.032700
ATOM	2445	CG	ARG	162	-4.391	14.245	-3.552	0.039000
ATOM	2446	HG2	ARG	162	-5.413	14.623	-3.581	0.028500
ATOM	2447	HG3	ARG	162	-4.233	13.756	-2.591	0.028500

ATOM	2448	CD	ARG	162	-3.431	15.427	-3.665	0.048600
ATOM	2449	HD2	ARG	162	-2.412	15.049	-3.748	0.068700
ATOM	2450	HD3	ARG	162	-3.666	15.994	-4.566	0.068700
ATOM	2451	NE	ARG	162	-3.560	16.292	-2.486	-0.529500
ATOM	2452	HE	ARG	162	-4.409	16.235	-1.942	0.345600
ATOM	2453	CZ	ARG	162	-2.678	17.196	-2.092	0.807600
ATOM	2454	NH1	ARG	162	-1.559	17.387	-2.762	-0.862700
ATOM	2455	1HH1	ARG	162	-1.372	16.883	-3.617	0.447800
ATOM	2456	2HH1	ARG	162	-0.870	18.021	-2.383	0.447800
ATOM	2457	NH2	ARG	162	-2.908	17.913	-1.014	-0.862700
ATOM	2458	1HH2	ARG	162	-3.736	17.715	-0.471	0.447800
ATOM	2459	2HH2	ARG	162	-2.144	18.460	-0.644	0.447800
ATOM	2460	C	ARG	162	-5.108	11.127	-5.813	0.734100
ATOM	2461	O	ARG	162	-5.360	11.560	-6.946	-0.589400
ATOM	2462	N	LEU	163	-4.896	9.815	-5.689	-0.415700
ATOM	2463	H	LEU	163	-4.726	9.440	-4.766	0.271900
ATOM	2464	CA	LEU	163	-4.987	8.868	-6.798	-0.051800
ATOM	2465	HA	LEU	163	-4.477	9.292	-7.663	0.092200
ATOM	2466	CB	LEU	163	-4.324	7.528	-6.434	-0.110200
ATOM	2467	HB2	LEU	163	-4.814	7.171	-5.529	0.045700
ATOM	2468	HB3	LEU	163	-4.509	6.790	-7.215	0.045700
ATOM	2469	CG	LEU	163	-2.813	7.574	-6.164	0.353100
ATOM	2470	HG	LEU	163	-2.601	8.338	-5.416	-0.036100
ATOM	2471	CD1	LEU	163	-2.389	6.225	-5.601	-0.412100
ATOM	2472	1HD1	LEU	163	-1.315	6.230	-5.411	0.100000
ATOM	2473	2HD1	LEU	163	-2.908	6.038	-4.661	0.100000
ATOM	2474	3HD1	LEU	163	-2.629	5.433	-6.311	0.100000
ATOM	2475	CD2	LEU	163	-2.005	7.893	-7.429	-0.412100
ATOM	2476	1HD2	LEU	163	-2.277	8.880	-7.803	0.100000
ATOM	2477	2HD2	LEU	163	-0.940	7.902	-7.197	0.100000
ATOM	2478	3HD2	LEU	163	-2.199	7.149	-8.202	0.100000
ATOM	2479	C	LEU	163	-6.467	8.687	-7.174	0.597300
ATOM	2480	O	LEU	163	-7.367	9.033	-6.398	-0.567900
ATOM	2481	N	PRO	164	-6.774	8.105	-8.333	-0.254800
ATOM	2482	CD	PRO	164	-5.865	7.695	-9.407	0.019200
ATOM	2483	HD2	PRO	164	-5.446	6.711	-9.196	0.039100
ATOM	2484	HD3	PRO	164	-5.068	8.420	-9.573	0.039100
ATOM	2485	CG	PRO	164	-6.762	7.619	-10.639	0.018900
ATOM	2486	HG2	PRO	164	-6.394	6.888	-11.359	0.021300
ATOM	2487	HG3	PRO	164	-6.838	8.606	-11.096	0.021300
ATOM	2488	CB	PRO	164	-8.110	7.216	-10.073	-0.007000
ATOM	2489	HB2	PRO	164	-8.124	6.136	-9.924	0.025300
ATOM	2490	HB3	PRO	164	-8.926	7.517	-10.730	0.025300
ATOM	2491	CA	PRO	164	-8.171	7.938	-8.727	-0.026600
ATOM	2492	HA	PRO	164	-8.599	8.933	-8.856	0.064100
ATOM	2493	C	PRO	164	-8.907	7.123	-7.666	0.589600
ATOM	2494	O	PRO	164	-8.406	6.083	-7.193	-0.574800
ATOM	2495	N	PRO	165	-10.178	7.428	-7.414	-0.254800
ATOM	2496	CD	PRO	165	-10.932	8.574	-7.952	0.019200
ATOM	2497	HD2	PRO	165	-10.687	8.805	-8.989	0.039100
ATOM	2498	HD3	PRO	165	-10.779	9.450	-7.321	0.039100
ATOM	2499	CG	PRO	165	-12.372	8.091	-7.853	0.018900
ATOM	2500	HG2	PRO	165	-12.860	7.546	-8.661	0.021300
ATOM	2501	HG3	PRO	165	-12.998	8.973	-7.726	0.021300
ATOM	2502	CB	PRO	165	-12.383	7.322	-6.564	-0.007000
ATOM	2503	HB2	PRO	165	-13.194	6.594	-6.550	0.025300
ATOM	2504	HB3	PRO	165	-12.501	8.020	-5.735	0.025300
ATOM	2505	CA	PRO	165	-10.999	6.686	-6.465	-0.026600
ATOM	2506	HA	PRO	165	-10.608	6.809	-5.455	0.064100
ATOM	2507	C	PRO	165	-11.153	5.210	-6.742	0.589600
ATOM	2508	O	PRO	165	-11.305	4.399	-5.824	-0.574800
ATOM	2509	N	ASP	166	-11.151	4.770	-7.993	-0.516300
ATOM	2510	H	ASP	166	-10.998	5.456	-8.719	0.293600
ATOM	2511	CA	ASP	166	-11.327	3.391	-8.401	0.038100
ATOM	2512	HA	ASP	166	-11.995	2.899	-7.694	0.088000
ATOM	2513	CB	ASP	166	-11.970	3.272	-9.790	-0.030300
ATOM	2514	HB2	ASP	166	-12.184	2.222	-9.988	-0.012200
ATOM	2515	HB3	ASP	166	-12.933	3.783	-9.753	-0.012200
ATOM	2516	CG	ASP	166	-11.184	3.838	-10.952	0.799400
ATOM	2517	OD1	ASP	166	-10.270	4.668	-10.778	-0.801400

ATOM	2518	OD2 ASP	166	-11.517	3.446	-12.096	-0.801400
ATOM	2519	C ASP	166	-10.040	2.571	-8.343	0.536600
ATOM	2520	O ASP	166	-10.032	1.419	-8.732	-0.581900
ATOM	2521	N THR	167	-8.938	3.210	-7.927	-0.415700
ATOM	2522	H THR	167	-8.988	4.181	-7.654	0.271900
ATOM	2523	CA THR	167	-7.675	2.471	-7.812	-0.038900
ATOM	2524	HA THR	167	-7.411	2.091	-8.798	0.100700
ATOM	2525	CB THR	167	-6.544	3.389	-7.343	0.365400
ATOM	2526	HB THR	167	-6.767	3.746	-6.337	0.004300
ATOM	2527	CG2 THR	167	-5.205	2.652	-7.315	-0.243800
ATOM	2528	1HG2 THR	167	-5.235	1.827	-6.603	0.064200
ATOM	2529	2HG2 THR	167	-4.965	2.274	-8.309	0.064200
ATOM	2530	3HG2 THR	167	-4.426	3.349	-7.005	0.064200
ATOM	2531	OG1 THR	167	-6.375	4.522	-8.200	-0.676100
ATOM	2532	HG1 THR	167	-7.083	5.131	-7.977	0.410200
ATOM	2533	C THR	167	-7.814	1.291	-6.847	0.597300
ATOM	2534	O THR	167	-8.289	1.482	-5.718	-0.567900
ATOM	2535	N ARG	168	-7.413	0.104	-7.261	-0.347900
ATOM	2536	H ARG	168	-7.032	0.025	-8.193	0.274700
ATOM	2537	CA ARG	168	-7.484	-1.093	-6.405	-0.263700
ATOM	2538	HA ARG	168	-8.406	-1.083	-5.823	0.156000
ATOM	2539	CB ARG	168	-7.438	-2.373	-7.227	-0.000700
ATOM	2540	HB2 ARG	168	-6.668	-2.267	-7.991	0.032700
ATOM	2541	HB3 ARG	168	-7.129	-3.200	-6.588	0.032700
ATOM	2542	CG ARG	168	-8.737	-2.785	-7.893	0.039000
ATOM	2543	HG2 ARG	168	-8.521	-3.619	-8.561	0.028500
ATOM	2544	HG3 ARG	168	-9.373	-3.174	-7.097	0.028500
ATOM	2545	CD ARG	168	-9.564	-1.779	-8.654	0.048600
ATOM	2546	HD2 ARG	168	-9.768	-0.938	-7.991	0.068700
ATOM	2547	HD3 ARG	168	-9.014	-1.430	-9.528	0.068700
ATOM	2548	NE ARG	168	-10.839	-2.406	-9.051	-0.529500
ATOM	2549	HE ARG	168	-10.885	-3.406	-9.184	0.345600
ATOM	2550	CZ ARG	168	-11.946	-1.718	-9.296	0.807600
ATOM	2551	NH1 ARG	168	-11.997	-0.414	-9.213	-0.862700
ATOM	2552	1HH1 ARG	168	-11.161	0.117	-9.014	0.447800
ATOM	2553	2HH1 ARG	168	-12.894	0.050	-9.229	0.447800
ATOM	2554	NH2 ARG	168	-13.029	-2.384	-9.643	-0.862700
ATOM	2555	1HH2 ARG	168	-12.994	-3.391	-9.704	0.447800
ATOM	2556	2HH2 ARG	168	-13.828	-1.863	-9.975	0.447800
ATOM	2557	C ARG	168	-6.298	-1.088	-5.438	0.734100
ATOM	2558	O ARG	168	-5.160	-0.863	-5.853	-0.589400
ATOM	2559	N VAL	169	-6.534	-1.324	-4.163	-0.415700
ATOM	2560	H VAL	169	-7.488	-1.536	-3.909	0.271900
ATOM	2561	CA VAL	169	-5.516	-1.271	-3.104	-0.087500
ATOM	2562	HA VAL	169	-4.636	-0.725	-3.443	0.096900
ATOM	2563	CB VAL	169	-6.117	-0.542	-1.887	0.298500
ATOM	2564	HB VAL	169	-7.061	-1.019	-1.623	-0.029700
ATOM	2565	CG1 VAL	169	-5.176	-0.635	-0.684	-0.319200
ATOM	2566	1HG1 VAL	169	-5.105	-1.658	-0.315	0.079100
ATOM	2567	2HG1 VAL	169	-4.180	-0.283	-0.955	0.079100
ATOM	2568	3HG1 VAL	169	-5.555	-0.017	0.129	0.079100
ATOM	2569	CG2 VAL	169	-6.397	0.916	-2.239	-0.319200
ATOM	2570	1HG2 VAL	169	-6.834	1.420	-1.377	0.079100
ATOM	2571	2HG2 VAL	169	-5.470	1.416	-2.519	0.079100
ATOM	2572	3HG2 VAL	169	-7.104	0.984	-3.066	0.079100
ATOM	2573	C VAL	169	-5.108	-2.683	-2.699	0.597300
ATOM	2574	O VAL	169	-5.929	-3.482	-2.198	-0.567900
ATOM	2575	N TYR	170	-3.809	-2.968	-2.861	-0.415700
ATOM	2576	H TYR	170	-3.202	-2.275	-3.276	0.271900
ATOM	2577	CA TYR	170	-3.224	-4.290	-2.558	-0.001400
ATOM	2578	HA TYR	170	-3.982	-4.968	-2.167	0.087600
ATOM	2579	CB TYR	170	-2.614	-4.927	-3.823	-0.015200
ATOM	2580	HB2 TYR	170	-1.924	-4.205	-4.261	0.029500
ATOM	2581	HB3 TYR	170	-2.027	-5.801	-3.540	0.029500
ATOM	2582	CG TYR	170	-3.606	-5.347	-4.899	-0.001100
ATOM	2583	CD1 TYR	170	-4.195	-6.614	-4.851	-0.190600
ATOM	2584	HD1 TYR	170	-3.988	-7.271	-4.020	0.169900
ATOM	2585	CE1 TYR	170	-5.063	-7.031	-5.867	-0.234100
ATOM	2586	HE1 TYR	170	-5.511	-8.013	-5.822	0.165600
ATOM	2587	CZ TYR	170	-5.331	-6.180	-6.926	0.322600

ATOM	2588	OH	TYR	170	-6.192	-6.612	-7.911	-0.557900
ATOM	2589	HH	TYR	170	-6.287	-7.567	-7.875	0.399200
ATOM	2590	CE2	TYR	170	-4.759	-4.918	-7.000	-0.234100
ATOM	2591	HE2	TYR	170	-4.965	-4.266	-7.836	0.165600
ATOM	2592	CD2	TYR	170	-3.877	-4.511	-5.985	-0.190600
ATOM	2593	HD2	TYR	170	-3.401	-3.543	-6.036	0.169900
ATOM	2594	C	TYR	170	-2.142	-4.113	-1.488	0.597300
ATOM	2595	O	TYR	170	-1.044	-3.655	-1.784	-0.567900
ATOM	2596	N	CYS	171	-2.484	-4.421	-0.225	-0.415700
ATOM	2597	H	CYS	171	-3.391	-4.826	-0.040	0.271900
ATOM	2598	CA	CYS	171	-1.613	-4.128	0.928	0.021300
ATOM	2599	HA	CYS	171	-0.903	-3.357	0.629	0.112400
ATOM	2600	CB	CYS	171	-2.435	-3.519	2.086	-0.123100
ATOM	2601	HB2	CYS	171	-1.762	-3.217	2.889	0.111200
ATOM	2602	HB3	CYS	171	-2.916	-2.615	1.713	0.111200
ATOM	2603	SG	CYS	171	-3.726	-4.635	2.712	-0.311900
ATOM	2604	HG	CYS	171	-2.937	-5.575	3.240	0.193300
ATOM	2605	C	CYS	171	-0.757	-5.299	1.409	0.597300
ATOM	2606	O	CYS	171	-0.927	-6.460	1.005	-0.567900
ATOM	2607	N	GLY	172	0.126	-5.008	2.365	-0.415700
ATOM	2608	H	GLY	172	0.269	-4.053	2.661	0.271900
ATOM	2609	CA	GLY	172	1.118	-5.982	2.803	-0.025200
ATOM	2610	HA2	GLY	172	1.619	-6.411	1.935	0.069800
ATOM	2611	HA3	GLY	172	1.869	-5.452	3.388	0.069800
ATOM	2612	C	GLY	172	0.612	-7.119	3.663	0.597300
ATOM	2613	O	GLY	172	1.236	-8.192	3.637	-0.567900
ATOM	2614	N	HID	173	-0.422	-6.916	4.485	-0.415700
ATOM	2615	H	HID	173	-0.839	-5.996	4.515	0.271900
ATOM	2616	CA	HID	173	-0.893	-7.932	5.437	0.203735
ATOM	2617	HA	HID	173	-0.438	-8.888	5.178	0.088100
ATOM	2618	CB	HID	173	-0.478	-7.565	6.870	-0.473335
ATOM	2619	HB2	HID	173	-0.856	-6.570	7.104	0.155717
ATOM	2620	HB3	HID	173	-0.939	-8.264	7.568	0.138261
ATOM	2621	CG	HID	173	0.995	-7.588	7.120	0.319008
ATOM	2622	ND1	HID	173	1.666	-8.687	7.624	-0.290080
ATOM	2623	HD1	HID	173	1.278	-9.605	7.790	0.335793
ATOM	2624	CE1	HID	173	2.951	-8.366	7.747	0.034584
ATOM	2625	HE1	HID	173	3.735	-9.092	7.905	0.163643
ATOM	2626	NE2	HID	173	3.151	-7.130	7.311	-0.194790
ATOM	2627	CD2	HID	173	1.926	-6.621	6.913	-0.320631
ATOM	2628	HD2	HID	173	1.727	-5.629	6.535	0.223765
ATOM	2629	C	HID	173	-2.408	-8.116	5.440	0.597300
ATOM	2630	O	HID	173	-3.161	-7.194	5.103	-0.567900
ATOM	2631	N	GLU	174	-2.840	-9.302	5.887	-0.516300
ATOM	2632	H	GLU	174	-2.130	-9.983	6.112	0.293600
ATOM	2633	CA	GLU	174	-4.220	-9.663	6.124	0.039700
ATOM	2634	HA	GLU	174	-4.852	-9.091	5.445	0.110500
ATOM	2635	CB	GLU	174	-4.450	-11.174	5.884	0.056000
ATOM	2636	HB2	GLU	174	-4.091	-11.417	4.884	-0.017300
ATOM	2637	HB3	GLU	174	-3.855	-11.757	6.587	-0.017300
ATOM	2638	CG	GLU	174	-5.933	-11.599	5.988	0.013600
ATOM	2639	HG2	GLU	174	-6.032	-12.600	5.568	-0.042500
ATOM	2640	HG3	GLU	174	-6.236	-11.644	7.034	-0.042500
ATOM	2641	CD	GLU	174	-6.871	-10.659	5.230	0.805400
ATOM	2642	OE1	GLU	174	-6.962	-10.655	3.979	-0.818800
ATOM	2643	OE2	GLU	174	-7.517	-9.833	5.912	-0.818800
ATOM	2644	C	GLU	174	-4.588	-9.284	7.560	0.536600
ATOM	2645	O	GLU	174	-4.597	-10.086	8.484	-0.581900
ATOM	2646	N	TYR	175	-4.829	-7.988	7.797	-0.415700
ATOM	2647	H	TYR	175	-4.685	-7.335	7.040	0.271900
ATOM	2648	CA	TYR	175	-5.218	-7.450	9.096	-0.001400
ATOM	2649	HA	TYR	175	-5.191	-8.230	9.857	0.087600
ATOM	2650	CB	TYR	175	-4.251	-6.316	9.469	-0.015200
ATOM	2651	HB2	TYR	175	-4.267	-5.576	8.669	0.029500
ATOM	2652	HB3	TYR	175	-4.621	-5.822	10.368	0.029500
ATOM	2653	CG	TYR	175	-2.818	-6.648	9.772	-0.001100
ATOM	2654	CD1	TYR	175	-2.405	-7.915	10.189	-0.190600
ATOM	2655	HD1	TYR	175	-3.109	-8.734	10.216	0.169900
ATOM	2656	CE1	TYR	175	-1.075	-8.178	10.515	-0.234100
ATOM	2657	HE1	TYR	175	-0.783	-9.176	10.807	0.165600

ATOM	2658	CZ	TYR	175	-0.117	-7.173	10.445	0.322600
ATOM	2659	OH	TYR	175	1.192	-7.409	10.716	-0.557900
ATOM	2660	HH	TYR	175	1.730	-7.095	9.987	0.399200
ATOM	2661	CE2	TYR	175	-0.493	-5.920	9.989	-0.234100
ATOM	2662	HE2	TYR	175	0.236	-5.133	9.864	0.165600
ATOM	2663	CD2	TYR	175	-1.829	-5.669	9.686	-0.190600
ATOM	2664	HD2	TYR	175	-2.100	-4.682	9.339	0.169900
ATOM	2665	C	TYR	175	-6.627	-6.864	9.089	0.597300
ATOM	2666	O	TYR	175	-7.030	-6.158	10.031	-0.567900
ATOM	2667	N	THR	176	-7.424	-7.134	8.082	-0.415700
ATOM	2668	H	THR	176	-7.095	-7.763	7.364	0.271900
ATOM	2669	CA	THR	176	-8.693	-6.470	7.836	-0.038900
ATOM	2670	HA	THR	176	-8.478	-5.405	7.747	0.100700
ATOM	2671	CB	THR	176	-9.244	-6.911	6.475	0.365400
ATOM	2672	HB	THR	176	-9.450	-7.981	6.493	0.004300
ATOM	2673	CG2	THR	176	-10.505	-6.175	6.080	-0.243800
ATOM	2674	1HG2	THR	176	-11.332	-6.502	6.710	0.064200
ATOM	2675	2HG2	THR	176	-10.359	-5.102	6.204	0.064200
ATOM	2676	3HG2	THR	176	-10.744	-6.400	5.040	0.064200
ATOM	2677	OG1	THR	176	-8.212	-6.651	5.505	-0.676100
ATOM	2678	HG1	THR	176	-8.308	-7.327	4.831	0.410200
ATOM	2679	C	THR	176	-9.723	-6.589	8.942	0.597300
ATOM	2680	O	THR	176	-10.290	-5.569	9.354	-0.567900
ATOM	2681	N	ILE	177	-9.909	-7.785	9.509	-0.415700
ATOM	2682	H	ILE	177	-9.410	-8.585	9.147	0.271900
ATOM	2683	CA	ILE	177	-10.938	-7.950	10.538	-0.059700
ATOM	2684	HA	ILE	177	-11.884	-7.564	10.159	0.086900
ATOM	2685	CB	ILE	177	-11.128	-9.444	10.877	0.130300
ATOM	2686	HB	ILE	177	-10.146	-9.904	10.985	0.018700
ATOM	2687	CG2	ILE	177	-11.896	-9.632	12.194	-0.320400
ATOM	2688	1HG2	ILE	177	-11.352	-9.195	13.032	0.088200
ATOM	2689	2HG2	ILE	177	-12.891	-9.192	12.123	0.088200
ATOM	2690	3HG2	ILE	177	-11.985	-10.693	12.431	0.088200
ATOM	2691	CG1	ILE	177	-11.910	-10.156	9.752	-0.043000
ATOM	2692	2HG1	ILE	177	-12.949	-9.827	9.742	0.023600
ATOM	2693	3HG1	ILE	177	-11.463	-9.910	8.789	0.023600
ATOM	2694	CD1	ILE	177	-11.847	-11.683	9.918	-0.066000
ATOM	2695	1HD1	ILE	177	-10.813	-12.011	10.023	0.018600
ATOM	2696	2HD1	ILE	177	-12.434	-12.014	10.774	0.018600
ATOM	2697	3HD1	ILE	177	-12.270	-12.142	9.024	0.018600
ATOM	2698	C	ILE	177	-10.598	-7.128	11.774	0.597300
ATOM	2699	O	ILE	177	-11.466	-6.370	12.243	-0.567900
ATOM	2700	N	ASN	178	-9.364	-7.228	12.269	-0.415700
ATOM	2701	H	ASN	178	-8.678	-7.794	11.790	0.271900
ATOM	2702	CA	ASN	178	-8.972	-6.496	13.469	0.014300
ATOM	2703	HA	ASN	178	-9.731	-6.618	14.243	0.104800
ATOM	2704	CB	ASN	178	-7.630	-6.997	14.010	-0.204100
ATOM	2705	HB2	ASN	178	-6.934	-7.128	13.180	0.079700
ATOM	2706	HB3	ASN	178	-7.198	-6.249	14.674	0.079700
ATOM	2707	CG	ASN	178	-7.710	-8.296	14.771	0.713000
ATOM	2708	OD1	ASN	178	-6.709	-8.753	15.320	-0.593100
ATOM	2709	ND2	ASN	178	-8.858	-8.859	14.813	-0.919100
ATOM	2710	1HD2	ASN	178	-8.905	-9.659	15.428	0.419600
ATOM	2711	2HD2	ASN	178	-9.637	-8.579	14.235	0.419600
ATOM	2712	C	ASN	178	-8.962	-5.004	13.192	0.597300
ATOM	2713	O	ASN	178	-9.366	-4.202	14.039	-0.567900
ATOM	2714	N	ASN	179	-8.557	-4.583	11.976	-0.415700
ATOM	2715	H	ASN	179	-8.184	-5.243	11.308	0.271900
ATOM	2716	CA	ASN	179	-8.611	-3.156	11.650	0.014300
ATOM	2717	HA	ASN	179	-8.009	-2.593	12.363	0.104800
ATOM	2718	CB	ASN	179	-8.097	-2.900	10.224	-0.204100
ATOM	2719	HB2	ASN	179	-8.626	-3.541	9.519	0.079700
ATOM	2720	HB3	ASN	179	-8.304	-1.864	9.957	0.079700
ATOM	2721	CG	ASN	179	-6.611	-3.118	10.056	0.713000
ATOM	2722	OD1	ASN	179	-5.832	-3.174	11.006	-0.593100
ATOM	2723	ND2	ASN	179	-6.178	-3.213	8.797	-0.919100
ATOM	2724	1HD2	ASN	179	-5.205	-3.433	8.636	0.419600
ATOM	2725	2HD2	ASN	179	-6.841	-3.190	8.036	0.419600
ATOM	2726	C	ASN	179	-10.045	-2.655	11.741	0.597300
ATOM	2727	O	ASN	179	-10.284	-1.527	12.225	-0.567900

ATOM	2728	N	LEU	180	-11.045	-3.383	11.244	-0.415700
ATOM	2729	H	LEU	180	-10.812	-4.259	10.798	0.271900
ATOM	2730	CA	LEU	180	-12.443	-2.965	11.251	-0.051800
ATOM	2731	HA	LEU	180	-12.495	-1.920	10.947	0.092200
ATOM	2732	CB	LEU	180	-13.250	-3.803	10.250	-0.110200
ATOM	2733	HB2	LEU	180	-13.014	-4.851	10.435	0.045700
ATOM	2734	HB3	LEU	180	-14.314	-3.660	10.439	0.045700
ATOM	2735	CG	LEU	180	-12.970	-3.490	8.763	0.353100
ATOM	2736	HG	LEU	180	-11.896	-3.368	8.624	-0.036100
ATOM	2737	CD1	LEU	180	-13.417	-4.632	7.846	-0.412100
ATOM	2738	1HD1	LEU	180	-14.505	-4.686	7.836	0.100000
ATOM	2739	2HD1	LEU	180	-13.040	-4.445	6.840	0.100000
ATOM	2740	3HD1	LEU	180	-13.003	-5.574	8.205	0.100000
ATOM	2741	CD2	LEU	180	-13.669	-2.180	8.355	-0.412100
ATOM	2742	1HD2	LEU	180	-13.297	-1.345	8.948	0.100000
ATOM	2743	2HD2	LEU	180	-13.472	-1.977	7.303	0.100000
ATOM	2744	3HD2	LEU	180	-14.746	-2.270	8.498	0.100000
ATOM	2745	C	LEU	180	-13.040	-3.036	12.662	0.597300
ATOM	2746	O	LEU	180	-13.917	-2.204	12.939	-0.567900
ATOM	2747	N	LYS	181	-12.594	-3.957	13.522	-0.347900
ATOM	2748	H	LYS	181	-11.950	-4.665	13.200	0.274700
ATOM	2749	CA	LYS	181	-13.054	-3.937	14.918	-0.240000
ATOM	2750	HA	LYS	181	-14.143	-3.928	14.956	0.142600
ATOM	2751	CB	LYS	181	-12.544	-5.189	15.639	-0.009400
ATOM	2752	HB2	LYS	181	-11.469	-5.281	15.486	0.036200
ATOM	2753	HB3	LYS	181	-12.722	-5.059	16.707	0.036200
ATOM	2754	CG	LYS	181	-13.246	-6.475	15.191	0.018700
ATOM	2755	HG2	LYS	181	-14.309	-6.402	15.423	0.010300
ATOM	2756	HG3	LYS	181	-13.141	-6.612	14.114	0.010300
ATOM	2757	CD	LYS	181	-12.649	-7.688	15.916	-0.047900
ATOM	2758	HD2	LYS	181	-11.590	-7.781	15.674	0.062100
ATOM	2759	HD3	LYS	181	-12.756	-7.548	16.991	0.062100
ATOM	2760	CE	LYS	181	-13.385	-8.970	15.508	-0.014300
ATOM	2761	HE2	LYS	181	-14.457	-8.825	15.646	0.113500
ATOM	2762	HE3	LYS	181	-13.201	-9.191	14.457	0.113500
ATOM	2763	NZ	LYS	181	-12.933	-10.112	16.354	-0.385400
ATOM	2764	HZ1	LYS	181	-13.376	-10.979	16.085	0.340000
ATOM	2765	HZ2	LYS	181	-11.946	-10.289	16.241	0.340000
ATOM	2766	HZ3	LYS	181	-13.093	-9.951	17.339	0.340000
ATOM	2767	C	LYS	181	-12.575	-2.635	15.557	0.734100
ATOM	2768	O	LYS	181	-13.312	-1.999	16.308	-0.589400
ATOM	2769	N	PHE	182	-11.361	-2.150	15.287	-0.415700
ATOM	2770	H	PHE	182	-10.727	-2.693	14.718	0.271900
ATOM	2771	CA	PHE	182	-10.921	-0.867	15.838	-0.002400
ATOM	2772	HA	PHE	182	-11.126	-0.855	16.909	0.097800
ATOM	2773	CB	PHE	182	-9.417	-0.636	15.655	-0.034300
ATOM	2774	HB2	PHE	182	-8.871	-1.408	16.196	0.029500
ATOM	2775	HB3	PHE	182	-9.165	-0.726	14.598	0.029500
ATOM	2776	CG	PHE	182	-8.990	0.718	16.172	0.011800
ATOM	2777	CD1	PHE	182	-8.985	1.007	17.538	-0.125600
ATOM	2778	HD1	PHE	182	-9.286	0.256	18.253	0.133000
ATOM	2779	CE1	PHE	182	-8.607	2.268	17.985	-0.170400
ATOM	2780	HE1	PHE	182	-8.621	2.478	19.044	0.143000
ATOM	2781	CZ	PHE	182	-8.230	3.261	17.083	-0.107200
ATOM	2782	HZ	PHE	182	-7.934	4.236	17.441	0.129700
ATOM	2783	CE2	PHE	182	-8.238	2.977	15.712	-0.170400
ATOM	2784	HE2	PHE	182	-7.950	3.731	14.995	0.143000
ATOM	2785	CD2	PHE	182	-8.618	1.709	15.265	-0.125600
ATOM	2786	HD2	PHE	182	-8.627	1.505	14.204	0.133000
ATOM	2787	C	PHE	182	-11.732	0.266	15.214	0.597300
ATOM	2788	O	PHE	182	-12.142	1.195	15.926	-0.567900
ATOM	2789	N	ALA	183	-11.970	0.249	13.901	-0.415700
ATOM	2790	H	ALA	183	-11.553	-0.478	13.338	0.271900
ATOM	2791	CA	ALA	183	-12.744	1.292	13.235	0.033700
ATOM	2792	HA	ALA	183	-12.244	2.248	13.384	0.082300
ATOM	2793	CB	ALA	183	-12.762	0.995	11.747	-0.182500
ATOM	2794	HB1	ALA	183	-13.368	0.112	11.544	0.060300
ATOM	2795	HB2	ALA	183	-13.181	1.838	11.198	0.060300
ATOM	2796	HB3	ALA	183	-11.747	0.824	11.387	0.060300
ATOM	2797	C	ALA	183	-14.155	1.408	13.832	0.597300

ATOM	2798	O	ALA	183	-14.666	2.523	14.013	-0.567900
ATOM	2799	N	ARG	184	-14.779	0.269	14.166	-0.347900
ATOM	2800	H	ARG	184	-14.336	-0.599	13.901	0.274700
ATOM	2801	CA	ARG	184	-16.125	0.205	14.762	-0.263700
ATOM	2802	HA	ARG	184	-16.828	0.749	14.132	0.156000
ATOM	2803	CB	ARG	184	-16.545	-1.281	14.829	-0.000700
ATOM	2804	HB2	ARG	184	-16.513	-1.697	13.822	0.032700
ATOM	2805	HB3	ARG	184	-15.812	-1.816	15.433	0.032700
ATOM	2806	CG	ARG	184	-17.953	-1.527	15.411	0.039000
ATOM	2807	HG2	ARG	184	-18.005	-1.104	16.414	0.028500
ATOM	2808	HG3	ARG	184	-18.695	-1.041	14.778	0.028500
ATOM	2809	CD	ARG	184	-18.274	-3.019	15.525	0.048600
ATOM	2810	HD2	ARG	184	-19.281	-3.120	15.933	0.068700
ATOM	2811	HD3	ARG	184	-18.277	-3.443	14.521	0.068700
ATOM	2812	NE	ARG	184	-17.345	-3.782	16.363	-0.529500
ATOM	2813	HE	ARG	184	-16.716	-3.259	16.955	0.345600
ATOM	2814	CZ	ARG	184	-17.240	-5.102	16.476	0.807600
ATOM	2815	NH1	ARG	184	-18.014	-5.888	15.772	-0.862700
ATOM	2816	1HH1	ARG	184	-18.690	-5.521	15.118	0.447800
ATOM	2817	2HH1	ARG	184	-17.897	-6.890	15.823	0.447800
ATOM	2818	NH2	ARG	184	-16.321	-5.620	17.268	-0.862700
ATOM	2819	1HH2	ARG	184	-15.754	-4.990	17.817	0.447800
ATOM	2820	2HH2	ARG	184	-16.289	-6.620	17.401	0.447800
ATOM	2821	C	ARG	184	-16.146	0.866	16.136	0.734100
ATOM	2822	O	ARG	184	-17.171	1.458	16.509	-0.589400
ATOM	2823	N	HIP	185	-15.065	0.792	16.899	-0.347900
ATOM	2824	H	HIP	185	-14.284	0.263	16.538	0.274700
ATOM	2825	CA	HIP	185	-14.898	1.482	18.176	-0.135400
ATOM	2826	HA	HIP	185	-15.770	1.305	18.807	0.121200
ATOM	2827	CB	HIP	185	-13.650	0.937	18.884	-0.041400
ATOM	2828	HB2	HIP	185	-13.801	-0.117	19.118	0.081000
ATOM	2829	HB3	HIP	185	-12.785	0.991	18.223	0.081000
ATOM	2830	CG	HIP	185	-13.273	1.654	20.145	-0.001200
ATOM	2831	ND1	HIP	185	-13.910	1.427	21.344	-0.151300
ATOM	2832	HD1	HIP	185	-14.667	0.779	21.507	0.386600
ATOM	2833	CE1	HIP	185	-13.353	2.206	22.271	-0.017000
ATOM	2834	HE1	HIP	185	-13.645	2.250	23.310	0.268100
ATOM	2835	NE2	HIP	185	-12.390	2.930	21.702	-0.171800
ATOM	2836	HE2	HIP	185	-11.796	3.604	22.165	0.391100
ATOM	2837	CD2	HIP	185	-12.317	2.600	20.365	-0.114100
ATOM	2838	HD2	HIP	185	-11.621	3.002	19.643	0.231700
ATOM	2839	C	HIP	185	-14.800	2.981	17.948	0.734100
ATOM	2840	O	HIP	185	-15.414	3.751	18.635	-0.589400
ATOM	2841	N	VAL	186	-14.020	3.471	16.987	-0.415700
ATOM	2842	H	VAL	186	-13.490	2.816	16.429	0.271900
ATOM	2843	CA	VAL	186	-13.889	4.894	16.691	-0.087500
ATOM	2844	HA	VAL	186	-13.608	5.419	17.604	0.096900
ATOM	2845	CB	VAL	186	-12.780	5.130	15.646	0.298500
ATOM	2846	HB	VAL	186	-13.007	4.576	14.736	-0.029700
ATOM	2847	CG1	VAL	186	-12.675	6.618	15.299	-0.319200
ATOM	2848	1HG1	VAL	186	-13.588	6.983	14.828	0.079100
ATOM	2849	2HG1	VAL	186	-12.479	7.204	16.197	0.079100
ATOM	2850	3HG1	VAL	186	-11.857	6.764	14.593	0.079100
ATOM	2851	CG2	VAL	186	-11.459	4.621	16.219	-0.319200
ATOM	2852	1HG2	VAL	186	-11.489	3.549	16.410	0.079100
ATOM	2853	2HG2	VAL	186	-10.662	4.809	15.498	0.079100
ATOM	2854	3HG2	VAL	186	-11.223	5.145	17.145	0.079100
ATOM	2855	C	VAL	186	-15.196	5.487	16.224	0.597300
ATOM	2856	O	VAL	186	-15.507	6.617	16.623	-0.567900
ATOM	2857	N	GLU	187	-15.924	4.811	15.354	-0.516300
ATOM	2858	H	GLU	187	-15.564	3.933	15.008	0.293600
ATOM	2859	CA	GLU	187	-17.177	5.284	14.795	0.039700
ATOM	2860	HA	GLU	187	-17.513	6.189	15.303	0.110500
ATOM	2861	CB	GLU	187	-17.006	5.642	13.318	0.056000
ATOM	2862	HB2	GLU	187	-16.648	4.767	12.775	-0.017300
ATOM	2863	HB3	GLU	187	-17.987	5.911	12.927	-0.017300
ATOM	2864	CG	GLU	187	-16.069	6.807	13.010	0.013600
ATOM	2865	HG2	GLU	187	-16.361	7.678	13.597	-0.042500
ATOM	2866	HG3	GLU	187	-15.051	6.526	13.279	-0.042500
ATOM	2867	CD	GLU	187	-16.113	7.135	11.526	0.805400

ATOM	2868	OE1	GLU	187	-15.402	6.493	10.726	-0.818800
ATOM	2869	OE2	GLU	187	-16.794	8.114	11.155	-0.818800
ATOM	2870	C	GLU	187	-18.291	4.248	14.923	0.536600
ATOM	2871	O	GLU	187	-18.683	3.618	13.934	-0.581900
ATOM	2872	N	PRO	188	-18.885	4.115	16.108	-0.254800
ATOM	2873	CD	PRO	188	-18.518	4.826	17.348	0.019200
ATOM	2874	HD2	PRO	188	-19.019	5.793	17.402	0.039100
ATOM	2875	HD3	PRO	188	-17.442	4.937	17.483	0.039100
ATOM	2876	CG	PRO	188	-19.065	3.921	18.424	0.018900
ATOM	2877	HG2	PRO	188	-19.255	4.458	19.353	0.021300
ATOM	2878	HG3	PRO	188	-18.371	3.098	18.593	0.021300
ATOM	2879	CB	PRO	188	-20.339	3.397	17.803	-0.007000
ATOM	2880	HB2	PRO	188	-21.123	4.146	17.910	0.025300
ATOM	2881	HB3	PRO	188	-20.660	2.460	18.259	0.025300
ATOM	2882	CA	PRO	188	-19.999	3.211	16.326	-0.026600
ATOM	2883	HA	PRO	188	-19.641	2.194	16.171	0.064100
ATOM	2884	C	PRO	188	-21.217	3.433	15.433	0.589600
ATOM	2885	O	PRO	188	-21.930	2.457	15.200	-0.574800
ATOM	2886	N	GLY	189	-21.496	4.609	14.876	-0.415700
ATOM	2887	H	GLY	189	-20.914	5.402	15.105	0.271900
ATOM	2888	CA	GLY	189	-22.653	4.833	14.018	-0.025200
ATOM	2889	HA2	GLY	189	-23.450	4.134	14.271	0.069800
ATOM	2890	HA3	GLY	189	-23.026	5.838	14.219	0.069800
ATOM	2891	C	GLY	189	-22.392	4.731	12.526	0.597300
ATOM	2892	O	GLY	189	-23.246	5.111	11.719	-0.567900
ATOM	2893	N	ASN	190	-21.227	4.235	12.103	-0.415700
ATOM	2894	H	ASN	190	-20.536	3.972	12.791	0.271900
ATOM	2895	CA	ASN	190	-20.896	4.104	10.676	0.014300
ATOM	2896	HA	ASN	190	-21.433	4.856	10.098	0.104800
ATOM	2897	CB	ASN	190	-19.400	4.413	10.547	-0.204100
ATOM	2898	HB2	ASN	190	-19.198	5.394	10.977	0.079700
ATOM	2899	HB3	ASN	190	-18.845	3.689	11.144	0.079700
ATOM	2900	CG	ASN	190	-18.874	4.345	9.133	0.713000
ATOM	2901	OD1	ASN	190	-19.326	3.575	8.293	-0.593100
ATOM	2902	ND2	ASN	190	-17.839	5.128	8.873	-0.919100
ATOM	2903	1HD2	ASN	190	-17.426	5.061	7.954	0.419600
ATOM	2904	2HD2	ASN	190	-17.425	5.699	9.596	0.419600
ATOM	2905	C	ASN	190	-21.249	2.712	10.128	0.597300
ATOM	2906	O	ASN	190	-20.608	1.692	10.434	-0.567900
ATOM	2907	N	ALA	191	-22.262	2.620	9.273	-0.415700
ATOM	2908	H	ALA	191	-22.828	3.444	9.129	0.271900
ATOM	2909	CA	ALA	191	-22.761	1.389	8.691	0.033700
ATOM	2910	HA	ALA	191	-22.863	0.663	9.498	0.082300
ATOM	2911	CB	ALA	191	-24.158	1.572	8.080	-0.182500
ATOM	2912	HB1	ALA	191	-24.113	2.280	7.252	0.060300
ATOM	2913	HB2	ALA	191	-24.521	0.617	7.700	0.060300
ATOM	2914	HB3	ALA	191	-24.851	1.944	8.835	0.060300
ATOM	2915	C	ALA	191	-21.836	0.757	7.660	0.597300
ATOM	2916	O	ALA	191	-21.786	-0.472	7.486	-0.567900
ATOM	2917	N	ALA	192	-21.021	1.566	6.974	-0.415700
ATOM	2918	H	ALA	192	-21.021	2.562	7.142	0.271900
ATOM	2919	CA	ALA	192	-20.063	1.010	6.021	0.033700
ATOM	2920	HA	ALA	192	-20.598	0.383	5.308	0.082300
ATOM	2921	CB	ALA	192	-19.328	2.095	5.245	-0.182500
ATOM	2922	HB1	ALA	192	-20.034	2.654	4.631	0.060300
ATOM	2923	HB2	ALA	192	-18.808	2.773	5.922	0.060300
ATOM	2924	HB3	ALA	192	-18.595	1.636	4.582	0.060300
ATOM	2925	C	ALA	192	-19.047	0.130	6.759	0.597300
ATOM	2926	O	ALA	192	-18.642	-0.905	6.227	-0.567900
ATOM	2927	N	ILE	193	-18.619	0.507	7.958	-0.415700
ATOM	2928	H	ILE	193	-18.953	1.388	8.321	0.271900
ATOM	2929	CA	ILE	193	-17.703	-0.286	8.765	-0.059700
ATOM	2930	HA	ILE	193	-16.800	-0.483	8.187	0.086900
ATOM	2931	CB	ILE	193	-17.305	0.409	10.072	0.130300
ATOM	2932	HB	ILE	193	-18.220	0.798	10.519	0.018700
ATOM	2933	CG2	ILE	193	-16.587	-0.559	11.017	-0.320400
ATOM	2934	1HG2	ILE	193	-17.266	-1.332	11.378	0.088200
ATOM	2935	2HG2	ILE	193	-15.736	-1.024	10.520	0.088200
ATOM	2936	3HG2	ILE	193	-16.234	-0.024	11.899	0.088200
ATOM	2937	CG1	ILE	193	-16.357	1.571	9.798	-0.043000

ATOM	2938	2HG1	ILE	193	-15.380	1.198	9.488	0.023600
ATOM	2939	3HG1	ILE	193	-16.761	2.173	8.984	0.023600
ATOM	2940	CD1	ILE	193	-16.166	2.502	10.994	-0.066000
ATOM	2941	1HD1	ILE	193	-17.085	2.595	11.572	0.018600
ATOM	2942	2HD1	ILE	193	-15.396	2.089	11.646	0.018600
ATOM	2943	3HD1	ILE	193	-15.843	3.483	10.645	0.018600
ATOM	2944	C	ILE	193	-18.340	-1.649	9.081	0.597300
ATOM	2945	O	ILE	193	-17.735	-2.711	8.919	-0.567900
ATOM	2946	N	ARG	194	-19.592	-1.602	9.536	-0.347900
ATOM	2947	H	ARG	194	-20.045	-0.703	9.619	0.274700
ATOM	2948	CA	ARG	194	-20.305	-2.813	9.956	-0.263700
ATOM	2949	HA	ARG	194	-19.697	-3.349	10.684	0.156000
ATOM	2950	CB	ARG	194	-21.612	-2.345	10.643	-0.000700
ATOM	2951	HB2	ARG	194	-22.083	-1.538	10.081	0.032700
ATOM	2952	HB3	ARG	194	-22.314	-3.175	10.723	0.032700
ATOM	2953	CG	ARG	194	-21.231	-1.878	12.048	0.039000
ATOM	2954	HG2	ARG	194	-20.937	-2.759	12.618	0.028500
ATOM	2955	HG3	ARG	194	-20.332	-1.267	11.957	0.028500
ATOM	2956	CD	ARG	194	-22.185	-1.070	12.904	0.048600
ATOM	2957	HD2	ARG	194	-22.536	-0.205	12.341	0.068700
ATOM	2958	HD3	ARG	194	-23.026	-1.723	13.137	0.068700
ATOM	2959	NE	ARG	194	-21.462	-0.619	14.118	-0.529500
ATOM	2960	HE	ARG	194	-20.561	-0.180	13.994	0.345600
ATOM	2961	CZ	ARG	194	-21.977	-0.635	15.330	0.807600
ATOM	2962	NH1	ARG	194	-23.216	-1.058	15.505	-0.862700
ATOM	2963	1HH1	ARG	194	-23.813	-1.187	14.701	0.447800
ATOM	2964	2HH1	ARG	194	-23.632	-0.748	16.371	0.447800
ATOM	2965	NH2	ARG	194	-21.282	-0.239	16.379	-0.862700
ATOM	2966	1HH2	ARG	194	-20.325	0.080	16.332	0.447800
ATOM	2967	2HH2	ARG	194	-21.757	-0.262	17.270	0.447800
ATOM	2968	C	ARG	194	-20.481	-3.777	8.805	0.734100
ATOM	2969	O	ARG	194	-20.241	-4.996	8.965	-0.589400
ATOM	2970	N	GLU	195	-20.851	-3.294	7.633	-0.516300
ATOM	2971	H	GLU	195	-21.086	-2.315	7.559	0.293600
ATOM	2972	CA	GLU	195	-21.055	-4.168	6.482	0.039700
ATOM	2973	HA	GLU	195	-21.582	-5.054	6.836	0.110500
ATOM	2974	CB	GLU	195	-21.900	-3.492	5.403	0.056000
ATOM	2975	HB2	GLU	195	-21.410	-2.574	5.079	-0.017300
ATOM	2976	HB3	GLU	195	-22.007	-4.153	4.543	-0.017300
ATOM	2977	CG	GLU	195	-23.292	-3.154	5.964	0.013600
ATOM	2978	HG2	GLU	195	-23.195	-2.474	6.811	-0.042500
ATOM	2979	HG3	GLU	195	-23.839	-2.629	5.181	-0.042500
ATOM	2980	CD	GLU	195	-24.108	-4.369	6.393	0.805400
ATOM	2981	OE1	GLU	195	-23.746	-5.528	6.098	-0.818800
ATOM	2982	OE2	GLU	195	-25.149	-4.186	7.058	-0.818800
ATOM	2983	C	GLU	195	-19.733	-4.699	5.947	0.536600
ATOM	2984	O	GLU	195	-19.660	-5.897	5.630	-0.581900
ATOM	2985	N	LYS	196	-18.661	-3.894	5.932	-0.347900
ATOM	2986	H	LYS	196	-18.762	-2.931	6.217	0.274700
ATOM	2987	CA	LYS	196	-17.348	-4.407	5.521	-0.240000
ATOM	2988	HA	LYS	196	-17.467	-4.905	4.559	0.142600
ATOM	2989	CB	LYS	196	-16.361	-3.240	5.363	-0.009400
ATOM	2990	HB2	LYS	196	-16.815	-2.448	4.766	0.036200
ATOM	2991	HB3	LYS	196	-16.153	-2.826	6.349	0.036200
ATOM	2992	CG	LYS	196	-15.037	-3.628	4.709	0.018700
ATOM	2993	HG2	LYS	196	-14.339	-2.802	4.847	0.010300
ATOM	2994	HG3	LYS	196	-14.617	-4.506	5.201	0.010300
ATOM	2995	CD	LYS	196	-15.161	-3.909	3.221	-0.047900
ATOM	2996	HD2	LYS	196	-15.789	-4.787	3.065	0.062100
ATOM	2997	HD3	LYS	196	-15.635	-3.050	2.746	0.062100
ATOM	2998	CE	LYS	196	-13.801	-4.143	2.560	-0.014300
ATOM	2999	HE2	LYS	196	-13.156	-3.283	2.736	0.113500
ATOM	3000	HE3	LYS	196	-13.339	-5.027	3.002	0.113500
ATOM	3001	NZ	LYS	196	-13.994	-4.350	1.097	-0.385400
ATOM	3002	HZ1	LYS	196	-14.346	-3.530	0.625	0.340000
ATOM	3003	HZ2	LYS	196	-13.136	-4.619	0.637	0.340000
ATOM	3004	HZ3	LYS	196	-14.654	-5.091	0.907	0.340000
ATOM	3005	C	LYS	196	-16.822	-5.455	6.501	0.734100
ATOM	3006	O	LYS	196	-16.218	-6.459	6.102	-0.589400
ATOM	3007	N	LEU	197	-17.086	-5.317	7.800	-0.415700

ATOM	3008	H	LEU	197	-17.543	-4.475	8.121	0.271900
ATOM	3009	CA	LEU	197	-16.683	-6.328	8.783	-0.051800
ATOM	3010	HA	LEU	197	-15.619	-6.522	8.647	0.092200
ATOM	3011	CB	LEU	197	-16.902	-5.814	10.200	-0.110200
ATOM	3012	HB2	LEU	197	-16.307	-4.911	10.336	0.045700
ATOM	3013	HB3	LEU	197	-17.947	-5.525	10.315	0.045700
ATOM	3014	CG	LEU	197	-16.520	-6.812	11.292	0.353100
ATOM	3015	HG	LEU	197	-17.136	-7.707	11.199	-0.036100
ATOM	3016	CD1	LEU	197	-15.084	-7.310	11.135	-0.412100
ATOM	3017	1HD1	LEU	197	-14.396	-6.465	11.123	0.100000
ATOM	3018	2HD1	LEU	197	-14.840	-7.939	11.991	0.100000
ATOM	3019	3HD1	LEU	197	-14.958	-7.907	10.232	0.100000
ATOM	3020	CD2	LEU	197	-16.757	-6.211	12.667	-0.412100
ATOM	3021	1HD2	LEU	197	-15.924	-5.564	12.939	0.100000
ATOM	3022	2HD2	LEU	197	-17.659	-5.600	12.639	0.100000
ATOM	3023	3HD2	LEU	197	-16.863	-7.007	13.405	0.100000
ATOM	3024	C	LEU	197	-17.408	-7.672	8.592	0.597300
ATOM	3025	O	LEU	197	-16.784	-8.738	8.707	-0.567900
ATOM	3026	N	ALA	198	-18.709	-7.625	8.277	-0.415700
ATOM	3027	H	ALA	198	-19.191	-6.739	8.232	0.271900
ATOM	3028	CA	ALA	198	-19.440	-8.875	8.005	0.033700
ATOM	3029	HA	ALA	198	-19.315	-9.565	8.839	0.082300
ATOM	3030	CB	ALA	198	-20.927	-8.596	7.783	-0.182500
ATOM	3031	HB1	ALA	198	-21.386	-8.288	8.722	0.060300
ATOM	3032	HB2	ALA	198	-21.054	-7.796	7.052	0.060300
ATOM	3033	HB3	ALA	198	-21.433	-9.486	7.410	0.060300
ATOM	3034	C	ALA	198	-18.844	-9.521	6.764	0.597300
ATOM	3035	O	ALA	198	-18.718	-10.754	6.702	-0.567900
ATOM	3036	N	TRP	199	-18.562	-8.797	5.701	-0.415700
ATOM	3037	H	TRP	199	-18.772	-7.810	5.748	0.271900
ATOM	3038	CA	TRP	199	-17.954	-9.284	4.478	-0.027500
ATOM	3039	HA	TRP	199	-18.582	-10.083	4.083	0.112300
ATOM	3040	CB	TRP	199	-17.896	-8.189	3.418	-0.005000
ATOM	3041	HB2	TRP	199	-18.915	-7.882	3.183	0.033900
ATOM	3042	HB3	TRP	199	-17.378	-7.321	3.825	0.033900
ATOM	3043	CG	TRP	199	-17.219	-8.582	2.142	-0.141500
ATOM	3044	CD1	TRP	199	-17.790	-9.175	1.061	-0.163800
ATOM	3045	HD1	TRP	199	-18.834	-9.442	0.993	0.206200
ATOM	3046	NE1	TRP	199	-16.865	-9.361	0.061	-0.341800
ATOM	3047	HE1	TRP	199	-17.071	-9.813	-0.818	0.341200
ATOM	3048	CE2	TRP	199	-15.649	-8.879	0.490	0.138000
ATOM	3049	CZ2	TRP	199	-14.409	-8.857	-0.135	-0.260100
ATOM	3050	HZ2	TRP	199	-14.290	-9.226	-1.143	0.157200
ATOM	3051	CH2	TRP	199	-13.333	-8.321	0.553	-0.113400
ATOM	3052	HH2	TRP	199	-12.365	-8.282	0.077	0.141700
ATOM	3053	CZ3	TRP	199	-13.499	-7.829	1.862	-0.197200
ATOM	3054	HZ3	TRP	199	-12.645	-7.410	2.374	0.144700
ATOM	3055	CE3	TRP	199	-14.744	-7.847	2.500	-0.238700
ATOM	3056	HE3	TRP	199	-14.875	-7.456	3.498	0.170000
ATOM	3057	CD2	TRP	199	-15.832	-8.420	1.816	0.124300
ATOM	3058	C	TRP	199	-16.578	-9.894	4.739	0.597300
ATOM	3059	O	TRP	199	-16.332	-11.048	4.329	-0.567900
ATOM	3060	N	ALA	200	-15.744	-9.262	5.560	-0.415700
ATOM	3061	H	ALA	200	-16.007	-8.349	5.904	0.271900
ATOM	3062	CA	ALA	200	-14.402	-9.758	5.862	0.033700
ATOM	3063	HA	ALA	200	-13.893	-9.972	4.922	0.082300
ATOM	3064	CB	ALA	200	-13.614	-8.658	6.591	-0.182500
ATOM	3065	HB1	ALA	200	-12.596	-9.000	6.777	0.060300
ATOM	3066	HB2	ALA	200	-13.575	-7.760	5.974	0.060300
ATOM	3067	HB3	ALA	200	-14.091	-8.421	7.543	0.060300
ATOM	3068	C	ALA	200	-14.449	-11.054	6.663	0.597300
ATOM	3069	O	ALA	200	-13.622	-11.932	6.397	-0.567900
ATOM	3070	N	LYS	201	-15.376	-11.181	7.618	-0.347900
ATOM	3071	H	LYS	201	-15.988	-10.407	7.831	0.274700
ATOM	3072	CA	LYS	201	-15.482	-12.437	8.382	-0.240000
ATOM	3073	HA	LYS	201	-14.514	-12.718	8.796	0.142600
ATOM	3074	CB	LYS	201	-16.478	-12.270	9.516	-0.009400
ATOM	3075	HB2	LYS	201	-17.378	-11.811	9.106	0.036200
ATOM	3076	HB3	LYS	201	-16.744	-13.255	9.898	0.036200
ATOM	3077	CG	LYS	201	-16.023	-11.420	10.695	0.018700

ATOM	3078	HG2	LYS	201	-15.203	-11.925	11.205	0.010300
ATOM	3079	HG3	LYS	201	-15.684	-10.442	10.353	0.010300
ATOM	3080	CD	LYS	201	-17.212	-11.257	11.648	-0.047900
ATOM	3081	HD2	LYS	201	-17.944	-10.666	11.098	0.062100
ATOM	3082	HD3	LYS	201	-17.624	-12.226	11.931	0.062100
ATOM	3083	CE	LYS	201	-16.729	-10.502	12.873	-0.014300
ATOM	3084	HE2	LYS	201	-16.049	-11.145	13.433	0.113500
ATOM	3085	HE3	LYS	201	-16.165	-9.629	12.546	0.113500
ATOM	3086	NZ	LYS	201	-17.856	-10.050	13.712	-0.385400
ATOM	3087	HZ1	LYS	201	-18.611	-10.721	13.711	0.340000
ATOM	3088	HZ2	LYS	201	-17.567	-9.878	14.665	0.340000
ATOM	3089	HZ3	LYS	201	-18.262	-9.206	13.337	0.340000
ATOM	3090	C	LYS	201	-15.919	-13.565	7.448	0.734100
ATOM	3091	O	LYS	201	-15.391	-14.683	7.591	-0.589400
ATOM	3092	N	GLU	202	-16.781	-13.316	6.477	-0.516300
ATOM	3093	H	GLU	202	-17.156	-12.385	6.363	0.293600
ATOM	3094	CA	GLU	202	-17.143	-14.367	5.518	0.039700
ATOM	3095	HA	GLU	202	-17.432	-15.258	6.076	0.110500
ATOM	3096	CB	GLU	202	-18.344	-13.929	4.678	0.056000
ATOM	3097	HB2	GLU	202	-19.179	-13.696	5.339	-0.017300
ATOM	3098	HB3	GLU	202	-18.087	-13.015	4.144	-0.017300
ATOM	3099	CG	GLU	202	-18.809	-14.951	3.647	0.013600
ATOM	3100	HG2	GLU	202	-19.617	-14.494	3.077	-0.042500
ATOM	3101	HG3	GLU	202	-17.987	-15.112	2.949	-0.042500
ATOM	3102	CD	GLU	202	-19.297	-16.300	4.142	0.805400
ATOM	3103	OE1	GLU	202	-19.559	-16.467	5.353	-0.818800
ATOM	3104	OE2	GLU	202	-19.443	-17.188	3.275	-0.818800
ATOM	3105	C	GLU	202	-15.951	-14.765	4.643	0.536600
ATOM	3106	O	GLU	202	-15.688	-15.956	4.414	-0.581900
ATOM	3107	N	LYS	203	-15.162	-13.812	4.145	-0.347900
ATOM	3108	H	LYS	203	-15.426	-12.848	4.289	0.274700
ATOM	3109	CA	LYS	203	-13.968	-14.123	3.354	-0.240000
ATOM	3110	HA	LYS	203	-14.238	-14.754	2.508	0.142600
ATOM	3111	CB	LYS	203	-13.287	-12.818	2.890	-0.009400
ATOM	3112	HB2	LYS	203	-13.136	-12.162	3.747	0.036200
ATOM	3113	HB3	LYS	203	-12.308	-13.047	2.469	0.036200
ATOM	3114	CG	LYS	203	-14.096	-12.076	1.837	0.018700
ATOM	3115	HG2	LYS	203	-15.106	-11.904	2.208	0.010300
ATOM	3116	HG3	LYS	203	-13.636	-11.102	1.668	0.010300
ATOM	3117	CD	LYS	203	-14.173	-12.808	0.507	-0.047900
ATOM	3118	HD2	LYS	203	-13.200	-12.765	0.018	0.062100
ATOM	3119	HD3	LYS	203	-14.424	-13.857	0.665	0.062100
ATOM	3120	CE	LYS	203	-15.239	-12.233	-0.414	-0.014300
ATOM	3121	HE2	LYS	203	-16.176	-12.112	0.131	0.113500
ATOM	3122	HE3	LYS	203	-14.902	-11.249	-0.741	0.113500
ATOM	3123	NZ	LYS	203	-15.454	-13.098	-1.600	-0.385400
ATOM	3124	HZ1	LYS	203	-14.635	-13.652	-1.806	0.340000
ATOM	3125	HZ2	LYS	203	-16.216	-13.745	-1.451	0.340000
ATOM	3126	HZ3	LYS	203	-15.676	-12.518	-2.397	0.340000
ATOM	3127	C	LYS	203	-12.966	-14.929	4.181	0.734100
ATOM	3128	O	LYS	203	-12.448	-15.953	3.686	-0.589400
ATOM	3129	N	TYR	204	-12.740	-14.621	5.457	-0.415700
ATOM	3130	H	TYR	204	-13.168	-13.781	5.820	0.271900
ATOM	3131	CA	TYR	204	-11.821	-15.369	6.315	-0.001400
ATOM	3132	HA	TYR	204	-10.839	-15.407	5.844	0.087600
ATOM	3133	CB	TYR	204	-11.710	-14.658	7.668	-0.015200
ATOM	3134	HB2	TYR	204	-11.433	-13.626	7.453	0.029500
ATOM	3135	HB3	TYR	204	-12.701	-14.610	8.120	0.029500
ATOM	3136	CG	TYR	204	-10.719	-15.144	8.697	-0.001100
ATOM	3137	CD1	TYR	204	-9.362	-15.168	8.394	-0.190600
ATOM	3138	HD1	TYR	204	-9.026	-14.857	7.415	0.169900
ATOM	3139	CE1	TYR	204	-8.421	-15.562	9.343	-0.234100
ATOM	3140	HE1	TYR	204	-7.367	-15.574	9.109	0.165600
ATOM	3141	CZ	TYR	204	-8.854	-15.948	10.609	0.322600
ATOM	3142	OH	TYR	204	-7.929	-16.347	11.528	-0.557900
ATOM	3143	HH	TYR	204	-8.348	-16.687	12.322	0.399200
ATOM	3144	CE2	TYR	204	-10.209	-15.928	10.930	-0.234100
ATOM	3145	HE2	TYR	204	-10.546	-16.209	11.917	0.165600
ATOM	3146	CD2	TYR	204	-11.132	-15.505	9.980	-0.190600
ATOM	3147	HD2	TYR	204	-12.171	-15.438	10.267	0.169900

ATOM	3148	C	TYR	204	-12.346	-16.793	6.478	0.597300
ATOM	3149	O	TYR	204	-11.568	-17.758	6.430	-0.567900
ATOM	3150	N	SER	205	-13.665	-16.946	6.609	-0.415700
ATOM	3151	H	SER	205	-14.271	-16.138	6.630	0.271900
ATOM	3152	CA	SER	205	-14.237	-18.287	6.770	-0.024900
ATOM	3153	HA	SER	205	-13.768	-18.769	7.628	0.084300
ATOM	3154	CB	SER	205	-15.732	-18.138	7.068	0.211700
ATOM	3155	HB2	SER	205	-15.868	-17.547	7.973	0.035200
ATOM	3156	HB3	SER	205	-16.221	-17.624	6.240	0.035200
ATOM	3157	OG	SER	205	-16.331	-19.402	7.242	-0.654600
ATOM	3158	HG	SER	205	-16.231	-19.644	8.166	0.427500
ATOM	3159	C	SER	205	-13.984	-19.160	5.554	0.597300
ATOM	3160	O	SER	205	-13.790	-20.379	5.710	-0.567900
ATOM	3161	N	ILE	206	-14.033	-18.647	4.334	-0.415700
ATOM	3162	H	ILE	206	-14.275	-17.674	4.217	0.271900
ATOM	3163	CA	ILE	206	-13.848	-19.487	3.150	-0.059700
ATOM	3164	HA	ILE	206	-14.066	-20.525	3.402	0.086900
ATOM	3165	CB	ILE	206	-14.845	-19.135	2.040	0.130300
ATOM	3166	HB	ILE	206	-14.688	-19.825	1.211	0.018700
ATOM	3167	CG2	ILE	206	-16.270	-19.360	2.572	-0.320400
ATOM	3168	1HG2	ILE	206	-16.343	-20.345	3.031	0.088200
ATOM	3169	2HG2	ILE	206	-16.535	-18.602	3.310	0.088200
ATOM	3170	3HG2	ILE	206	-16.995	-19.320	1.759	0.088200
ATOM	3171	CG1	ILE	206	-14.705	-17.701	1.518	-0.043000
ATOM	3172	2HG1	ILE	206	-14.994	-16.989	2.291	0.023600
ATOM	3173	3HG1	ILE	206	-13.663	-17.509	1.261	0.023600
ATOM	3174	CD1	ILE	206	-15.561	-17.448	0.286	-0.066000
ATOM	3175	1HD1	ILE	206	-16.618	-17.551	0.531	0.018600
ATOM	3176	2HD1	ILE	206	-15.389	-16.432	-0.070	0.018600
ATOM	3177	3HD1	ILE	206	-15.310	-18.170	-0.490	0.018600
ATOM	3178	C	ILE	206	-12.404	-19.508	2.672	0.597300
ATOM	3179	O	ILE	206	-12.129	-20.136	1.653	-0.567900
ATOM	3180	N	GLY	207	-11.479	-18.840	3.355	-0.415700
ATOM	3181	H	GLY	207	-11.775	-18.307	4.160	0.271900
ATOM	3182	CA	GLY	207	-10.070	-18.814	2.991	-0.025200
ATOM	3183	HA2	GLY	207	-9.492	-18.504	3.862	0.069800
ATOM	3184	HA3	GLY	207	-9.736	-19.816	2.724	0.069800
ATOM	3185	C	GLY	207	-9.712	-17.883	1.844	0.597300
ATOM	3186	O	GLY	207	-8.729	-18.159	1.148	-0.567900
ATOM	3187	N	GLU	208	-10.485	-16.839	1.572	-0.516300
ATOM	3188	H	GLU	208	-11.229	-16.593	2.210	0.293600
ATOM	3189	CA	GLU	208	-10.187	-15.932	0.470	0.039700
ATOM	3190	HA	GLU	208	-9.483	-16.410	-0.211	0.110500
ATOM	3191	CB	GLU	208	-11.439	-15.615	-0.335	0.056000
ATOM	3192	HB2	GLU	208	-12.203	-15.252	0.353	-0.017300
ATOM	3193	HB3	GLU	208	-11.192	-14.796	-1.011	-0.017300
ATOM	3194	CG	GLU	208	-12.045	-16.718	-1.182	0.013600
ATOM	3195	HG2	GLU	208	-11.305	-17.046	-1.912	-0.042500
ATOM	3196	HG3	GLU	208	-12.273	-17.560	-0.529	-0.042500
ATOM	3197	CD	GLU	208	-13.316	-16.298	-1.912	0.805400
ATOM	3198	OE1	GLU	208	-13.679	-15.100	-1.971	-0.818800
ATOM	3199	OE2	GLU	208	-13.963	-17.236	-2.442	-0.818800
ATOM	3200	C	GLU	208	-9.652	-14.612	1.033	0.536600
ATOM	3201	O	GLU	208	-10.043	-14.198	2.120	-0.581900
ATOM	3202	N	PRO	209	-8.721	-13.995	0.321	-0.254800
ATOM	3203	CD	PRO	209	-8.082	-14.484	-0.914	0.019200
ATOM	3204	HD2	PRO	209	-8.623	-14.126	-1.790	0.039100
ATOM	3205	HD3	PRO	209	-7.932	-15.563	-0.948	0.039100
ATOM	3206	CG	PRO	209	-6.711	-13.830	-0.817	0.018900
ATOM	3207	HG2	PRO	209	-6.233	-13.753	-1.794	0.021300
ATOM	3208	HG3	PRO	209	-6.064	-14.347	-0.109	0.021300
ATOM	3209	CB	PRO	209	-7.070	-12.451	-0.281	-0.007000
ATOM	3210	HB2	PRO	209	-7.477	-11.853	-1.096	0.025300
ATOM	3211	HB3	PRO	209	-6.204	-11.947	0.148	0.025300
ATOM	3212	CA	PRO	209	-8.152	-12.725	0.760	-0.026600
ATOM	3213	HA	PRO	209	-7.712	-12.842	1.750	0.064100
ATOM	3214	C	PRO	209	-9.209	-11.620	0.768	0.589600
ATOM	3215	O	PRO	209	-10.210	-11.619	0.045	-0.574800
ATOM	3216	N	THR	210	-8.923	-10.589	1.575	-0.415700
ATOM	3217	H	THR	210	-8.149	-10.660	2.220	0.271900

ATOM	3218	CA	THR	210	-9.779	-9.390	1.641	-0.038900
ATOM	3219	HA	THR	210	-10.778	-9.647	1.288	0.100700
ATOM	3220	CB	THR	210	-9.950	-8.846	3.069	0.365400
ATOM	3221	HB	THR	210	-10.588	-7.962	3.053	0.004300
ATOM	3222	CG2	THR	210	-10.555	-9.873	4.005	-0.243800
ATOM	3223	1HG2	THR	210	-9.841	-10.688	4.126	0.064200
ATOM	3224	2HG2	THR	210	-10.752	-9.386	4.960	0.064200
ATOM	3225	3HG2	THR	210	-11.487	-10.256	3.589	0.064200
ATOM	3226	OG1	THR	210	-8.666	-8.492	3.581	-0.676100
ATOM	3227	HG1	THR	210	-8.210	-9.290	3.858	0.410200
ATOM	3228	C	THR	210	-9.276	-8.280	0.738	0.597300
ATOM	3229	O	THR	210	-9.842	-7.182	0.724	-0.567900
ATOM	3230	N	VAL	211	-8.213	-8.532	-0.018	-0.415700
ATOM	3231	H	VAL	211	-7.815	-9.459	0.017	0.271900
ATOM	3232	CA	VAL	211	-7.664	-7.579	-0.992	-0.087500
ATOM	3233	HA	VAL	211	-8.038	-6.580	-0.764	0.096900
ATOM	3234	CB	VAL	211	-6.122	-7.552	-0.927	0.298500
ATOM	3235	HB	VAL	211	-5.741	-7.016	-1.796	-0.029700
ATOM	3236	CG1	VAL	211	-5.656	-6.786	0.312	-0.319200
ATOM	3237	1HG1	VAL	211	-6.025	-7.269	1.216	0.079100
ATOM	3238	2HG1	VAL	211	-4.566	-6.771	0.344	0.079100
ATOM	3239	3HG1	VAL	211	-6.022	-5.760	0.274	0.079100
ATOM	3240	CG2	VAL	211	-5.520	-8.967	-0.952	-0.319200
ATOM	3241	1HG2	VAL	211	-4.433	-8.898	-1.001	0.079100
ATOM	3242	2HG2	VAL	211	-5.776	-9.509	-0.042	0.079100
ATOM	3243	3HG2	VAL	211	-5.860	-9.522	-1.826	0.079100
ATOM	3244	C	VAL	211	-8.107	-8.003	-2.386	0.597300
ATOM	3245	O	VAL	211	-8.288	-9.208	-2.633	-0.567900
ATOM	3246	N	PRO	212	-8.217	-7.081	-3.330	-0.254800
ATOM	3247	CD	PRO	212	-8.566	-7.373	-4.735	0.019200
ATOM	3248	HD2	PRO	212	-9.381	-8.091	-4.826	0.039100
ATOM	3249	HD3	PRO	212	-7.704	-7.877	-5.172	0.039100
ATOM	3250	CG	PRO	212	-8.653	-6.006	-5.389	0.018900
ATOM	3251	HG2	PRO	212	-9.689	-5.666	-5.379	0.021300
ATOM	3252	HG3	PRO	212	-8.288	-6.025	-6.415	0.021300
ATOM	3253	CB	PRO	212	-7.814	-5.102	-4.507	-0.007000
ATOM	3254	HB2	PRO	212	-8.105	-4.056	-4.610	0.025300
ATOM	3255	HB3	PRO	212	-6.758	-5.207	-4.755	0.025300
ATOM	3256	CA	PRO	212	-8.059	-5.657	-3.101	-0.026600
ATOM	3257	HA	PRO	212	-7.191	-5.449	-2.476	0.064100
ATOM	3258	C	PRO	212	-9.293	-4.945	-2.555	0.589600
ATOM	3259	O	PRO	212	-10.424	-5.389	-2.721	-0.574800
ATOM	3260	N	SER	213	-9.068	-3.763	-1.973	-0.415700
ATOM	3261	H	SER	213	-8.114	-3.430	-1.975	0.271900
ATOM	3262	CA	SER	213	-10.143	-2.816	-1.704	-0.024900
ATOM	3263	HA	SER	213	-11.117	-3.299	-1.786	0.084300
ATOM	3264	CB	SER	213	-10.141	-2.258	-0.292	0.211700
ATOM	3265	HB2	SER	213	-11.023	-1.636	-0.141	0.035200
ATOM	3266	HB3	SER	213	-10.148	-3.070	0.435	0.035200
ATOM	3267	OG	SER	213	-8.965	-1.485	-0.128	-0.654600
ATOM	3268	HG	SER	213	-8.218	-2.080	-0.229	0.427500
ATOM	3269	C	SER	213	-9.997	-1.728	-2.765	0.597300
ATOM	3270	O	SER	213	-9.283	-1.908	-3.752	-0.567900
ATOM	3271	N	THR	214	-10.659	-0.602	-2.595	-0.415700
ATOM	3272	H	THR	214	-11.268	-0.499	-1.795	0.271900
ATOM	3273	CA	THR	214	-10.508	0.542	-3.510	-0.038900
ATOM	3274	HA	THR	214	-9.628	0.403	-4.138	0.100700
ATOM	3275	CB	THR	214	-11.704	0.838	-4.421	0.365400
ATOM	3276	HB	THR	214	-11.466	1.731	-4.998	0.004300
ATOM	3277	CG2	THR	214	-12.036	-0.250	-5.419	-0.243800
ATOM	3278	1HG2	THR	214	-12.345	-1.154	-4.895	0.064200
ATOM	3279	2HG2	THR	214	-12.836	0.082	-6.080	0.064200
ATOM	3280	3HG2	THR	214	-11.153	-0.472	-6.018	0.064200
ATOM	3281	OG1	THR	214	-12.831	1.147	-3.616	-0.676100
ATOM	3282	HG1	THR	214	-13.092	0.310	-3.226	0.410200
ATOM	3283	C	THR	214	-10.277	1.770	-2.646	0.597300
ATOM	3284	O	THR	214	-10.682	1.799	-1.478	-0.567900
ATOM	3285	N	LEU	215	-9.640	2.818	-3.165	-0.415700
ATOM	3286	H	LEU	215	-9.304	2.761	-4.116	0.271900
ATOM	3287	CA	LEU	215	-9.469	4.066	-2.424	-0.051800

ATOM	3288	HA	LEU	215	-8.970	3.830	-1.484	0.092200
ATOM	3289	CB	LEU	215	-8.590	5.056	-3.210	-0.110200
ATOM	3290	HB2	LEU	215	-8.992	5.174	-4.216	0.045700
ATOM	3291	HB3	LEU	215	-8.642	6.019	-2.700	0.045700
ATOM	3292	CG	LEU	215	-7.116	4.624	-3.276	0.353100
ATOM	3293	HG	LEU	215	-7.026	3.632	-3.719	-0.036100
ATOM	3294	CD1	LEU	215	-6.362	5.638	-4.142	-0.412100
ATOM	3295	1HD1	LEU	215	-6.391	6.622	-3.675	0.100000
ATOM	3296	2HD1	LEU	215	-5.324	5.323	-4.249	0.100000
ATOM	3297	3HD1	LEU	215	-6.817	5.701	-5.130	0.100000
ATOM	3298	CD2	LEU	215	-6.452	4.649	-1.897	-0.412100
ATOM	3299	1HD2	LEU	215	-5.385	4.451	-2.000	0.100000
ATOM	3300	2HD2	LEU	215	-6.585	5.630	-1.439	0.100000
ATOM	3301	3HD2	LEU	215	-6.874	3.882	-1.247	0.100000
ATOM	3302	C	LEU	215	-10.812	4.673	-2.005	0.597300
ATOM	3303	O	LEU	215	-10.935	5.088	-0.838	-0.567900
ATOM	3304	N	ALA	216	-11.829	4.667	-2.866	-0.415700
ATOM	3305	H	ALA	216	-11.673	4.382	-3.823	0.271900
ATOM	3306	CA	ALA	216	-13.139	5.178	-2.480	0.033700
ATOM	3307	HA	ALA	216	-13.033	6.227	-2.204	0.082300
ATOM	3308	CB	ALA	216	-14.135	5.067	-3.628	-0.182500
ATOM	3309	HB1	ALA	216	-13.784	5.662	-4.471	0.060300
ATOM	3310	HB2	ALA	216	-14.234	4.030	-3.947	0.060300
ATOM	3311	HB3	ALA	216	-15.108	5.445	-3.315	0.060300
ATOM	3312	C	ALA	216	-13.682	4.416	-1.268	0.597300
ATOM	3313	O	ALA	216	-14.213	5.045	-0.356	-0.567900
ATOM	3314	N	GLU	217	-13.533	3.085	-1.223	-0.516300
ATOM	3315	H	GLU	217	-13.085	2.604	-1.990	0.293600
ATOM	3316	CA	GLU	217	-13.983	2.335	-0.055	0.039700
ATOM	3317	HA	GLU	217	-15.031	2.567	0.138	0.110500
ATOM	3318	CB	GLU	217	-13.846	0.819	-0.257	0.056000
ATOM	3319	HB2	GLU	217	-12.836	0.590	-0.597	-0.017300
ATOM	3320	HB3	GLU	217	-13.997	0.331	0.705	-0.017300
ATOM	3321	CG	GLU	217	-14.854	0.229	-1.228	0.013600
ATOM	3322	HG2	GLU	217	-15.863	0.361	-0.840	-0.042500
ATOM	3323	HG3	GLU	217	-14.810	0.732	-2.194	-0.042500
ATOM	3324	CD	GLU	217	-14.537	-1.254	-1.373	0.805400
ATOM	3325	OE1	GLU	217	-15.040	-2.065	-0.568	-0.818800
ATOM	3326	OE2	GLU	217	-13.746	-1.554	-2.287	-0.818800
ATOM	3327	C	GLU	217	-13.203	2.701	1.201	0.536600
ATOM	3328	O	GLU	217	-13.796	2.912	2.269	-0.581900
ATOM	3329	N	GLH	218	-11.876	2.855	1.084	-0.415700
ATOM	3330	H	GLH	218	-11.437	2.743	0.181	0.271900
ATOM	3331	CA	GLH	218	-11.093	3.253	2.261	0.014500
ATOM	3332	HA	GLH	218	-11.241	2.494	3.029	0.077900
ATOM	3333	CB	GLH	218	-9.590	3.327	1.926	-0.007100
ATOM	3334	HB2	GLH	218	-9.428	4.032	1.110	0.025600
ATOM	3335	HB3	GLH	218	-9.049	3.684	2.802	0.025600
ATOM	3336	CG	GLH	218	-9.023	1.953	1.521	-0.017400
ATOM	3337	HG2	GLH	218	-9.559	1.559	0.657	0.043000
ATOM	3338	HG3	GLH	218	-7.975	2.062	1.240	0.043000
ATOM	3339	CD	GLH	218	-9.107	0.961	2.658	0.680100
ATOM	3340	OE1	GLH	218	-8.877	1.237	3.824	-0.583800
ATOM	3341	OE2	GLH	218	-9.508	-0.252	2.328	-0.651100
ATOM	3342	HE2	GLH	218	-9.368	-0.411	1.392	0.464100
ATOM	3343	C	GLH	218	-11.562	4.568	2.879	0.597300
ATOM	3344	O	GLH	218	-11.577	4.719	4.105	-0.567900
ATOM	3345	N	PHE	219	-11.968	5.512	2.029	-0.415700
ATOM	3346	H	PHE	219	-11.897	5.376	1.031	0.271900
ATOM	3347	CA	PHE	219	-12.460	6.769	2.571	-0.002400
ATOM	3348	HA	PHE	219	-11.744	7.114	3.316	0.097800
ATOM	3349	CB	PHE	219	-12.548	7.844	1.489	-0.034300
ATOM	3350	HB2	PHE	219	-12.908	7.402	0.560	0.029500
ATOM	3351	HB3	PHE	219	-13.245	8.623	1.799	0.029500
ATOM	3352	CG	PHE	219	-11.214	8.510	1.257	0.011800
ATOM	3353	CD1	PHE	219	-10.641	9.278	2.271	-0.125600
ATOM	3354	HD1	PHE	219	-11.148	9.405	3.216	0.133000
ATOM	3355	CE1	PHE	219	-9.416	9.911	2.059	-0.170400
ATOM	3356	HE1	PHE	219	-8.966	10.497	2.847	0.143000
ATOM	3357	CZ	PHE	219	-8.759	9.741	0.843	-0.107200

ATOM	3358	HZ	PHE	219	-7.808	10.225	0.676	0.129700
ATOM	3359	CE2	PHE	219	-9.330	8.965	-0.163	-0.170400
ATOM	3360	HE2	PHE	219	-8.819	8.845	-1.107	0.143000
ATOM	3361	CD2	PHE	219	-10.550	8.331	0.052	-0.125600
ATOM	3362	HD2	PHE	219	-10.988	7.731	-0.732	0.133000
ATOM	3363	C	PHE	219	-13.776	6.647	3.331	0.597300
ATOM	3364	O	PHE	219	-14.101	7.547	4.108	-0.567900
ATOM	3365	N	THR	220	-14.535	5.565	3.158	-0.415700
ATOM	3366	H	THR	220	-14.228	4.865	2.498	0.271900
ATOM	3367	CA	THR	220	-15.782	5.350	3.881	-0.038900
ATOM	3368	HA	THR	220	-16.208	6.326	4.112	0.100700
ATOM	3369	CB	THR	220	-16.826	4.544	3.084	0.365400
ATOM	3370	HB	THR	220	-17.770	4.583	3.627	0.004300
ATOM	3371	CG2	THR	220	-17.089	5.083	1.674	-0.243800
ATOM	3372	1HG2	THR	220	-17.212	6.166	1.698	0.064200
ATOM	3373	2HG2	THR	220	-16.260	4.830	1.013	0.064200
ATOM	3374	3HG2	THR	220	-18.004	4.637	1.283	0.064200
ATOM	3375	OG1	THR	220	-16.485	3.163	2.940	-0.676100
ATOM	3376	HG1	THR	220	-15.555	3.106	2.710	0.410200
ATOM	3377	C	THR	220	-15.607	4.675	5.235	0.597300
ATOM	3378	O	THR	220	-16.474	4.807	6.096	-0.567900
ATOM	3379	N	TYR	221	-14.575	3.851	5.438	-0.415700
ATOM	3380	H	TYR	221	-13.928	3.689	4.681	0.271900
ATOM	3381	CA	TYR	221	-14.453	3.042	6.663	-0.001400
ATOM	3382	HA	TYR	221	-15.132	3.442	7.416	0.087600
ATOM	3383	CB	TYR	221	-14.884	1.550	6.446	-0.015200
ATOM	3384	HB2	TYR	221	-14.727	0.975	7.358	0.029500
ATOM	3385	HB3	TYR	221	-15.958	1.547	6.258	0.029500
ATOM	3386	CG	TYR	221	-14.195	0.816	5.311	-0.001100
ATOM	3387	CD1	TYR	221	-12.810	0.631	5.334	-0.190600
ATOM	3388	HD1	TYR	221	-12.230	0.963	6.183	0.169900
ATOM	3389	CE1	TYR	221	-12.163	-0.022	4.295	-0.234100
ATOM	3390	HE1	TYR	221	-11.093	-0.161	4.346	0.165600
ATOM	3391	CZ	TYR	221	-12.876	-0.523	3.221	0.322600
ATOM	3392	OH	TYR	221	-12.262	-1.136	2.183	-0.557900
ATOM	3393	HH	TYR	221	-11.312	-1.027	2.270	0.399200
ATOM	3394	CE2	TYR	221	-14.261	-0.386	3.195	-0.234100
ATOM	3395	HE2	TYR	221	-14.808	-0.802	2.362	0.165600
ATOM	3396	CD2	TYR	221	-14.906	0.294	4.228	-0.190600
ATOM	3397	HD2	TYR	221	-15.977	0.427	4.187	0.169900
ATOM	3398	C	TYR	221	-13.104	3.036	7.373	0.597300
ATOM	3399	O	TYR	221	-13.013	2.490	8.480	-0.567900
ATOM	3400	N	ASN	222	-12.039	3.631	6.842	-0.415700
ATOM	3401	H	ASN	222	-12.125	4.112	5.958	0.271900
ATOM	3402	CA	ASN	222	-10.707	3.556	7.449	0.014300
ATOM	3403	HA	ASN	222	-10.628	2.641	8.036	0.104800
ATOM	3404	CB	ASN	222	-9.685	3.461	6.305	-0.204100
ATOM	3405	HB2	ASN	222	-9.953	2.624	5.660	0.079700
ATOM	3406	HB3	ASN	222	-9.716	4.372	5.708	0.079700
ATOM	3407	CG	ASN	222	-8.262	3.294	6.783	0.713000
ATOM	3408	OD1	ASN	222	-7.868	3.737	7.865	-0.593100
ATOM	3409	ND2	ASN	222	-7.423	2.611	6.002	-0.919100
ATOM	3410	1HD2	ASN	222	-6.478	2.467	6.328	0.419600
ATOM	3411	2HD2	ASN	222	-7.745	2.190	5.142	0.419600
ATOM	3412	C	ASN	222	-10.491	4.771	8.351	0.597300
ATOM	3413	O	ASN	222	-10.428	5.900	7.829	-0.567900
ATOM	3414	N	PRO	223	-10.370	4.617	9.675	-0.254800
ATOM	3415	CD	PRO	223	-10.292	3.356	10.420	0.019200
ATOM	3416	HD2	PRO	223	-9.619	2.644	9.942	0.039100
ATOM	3417	HD3	PRO	223	-11.294	2.938	10.515	0.039100
ATOM	3418	CG	PRO	223	-9.744	3.742	11.786	0.018900
ATOM	3419	HG2	PRO	223	-8.655	3.690	11.763	0.021300
ATOM	3420	HG3	PRO	223	-10.133	3.099	12.576	0.021300
ATOM	3421	CB	PRO	223	-10.175	5.182	11.972	-0.007000
ATOM	3422	HB2	PRO	223	-9.442	5.712	12.581	0.025300
ATOM	3423	HB3	PRO	223	-11.133	5.243	12.486	0.025300
ATOM	3424	CA	PRO	223	-10.247	5.772	10.568	-0.026600
ATOM	3425	HA	PRO	223	-11.141	6.390	10.492	0.064100
ATOM	3426	C	PRO	223	-9.046	6.633	10.244	0.589600
ATOM	3427	O	PRO	223	-9.093	7.860	10.417	-0.574800

ATOM	3428	N	PHE	224	-7.946	6.033	9.780	-0.415700
ATOM	3429	H	PHE	224	-7.938	5.037	9.614	0.271900
ATOM	3430	CA	PHE	224	-6.751	6.817	9.470	-0.002400
ATOM	3431	HA	PHE	224	-6.579	7.527	10.279	0.097800
ATOM	3432	CB	PHE	224	-5.518	5.904	9.387	-0.034300
ATOM	3433	HB2	PHE	224	-5.630	5.216	8.549	0.029500
ATOM	3434	HB3	PHE	224	-4.637	6.519	9.202	0.029500
ATOM	3435	CG	PHE	224	-5.296	5.124	10.658	0.011800
ATOM	3436	CD1	PHE	224	-4.713	5.713	11.775	-0.125600
ATOM	3437	HD1	PHE	224	-4.402	6.746	11.728	0.133000
ATOM	3438	CE1	PHE	224	-4.550	5.013	12.968	-0.170400
ATOM	3439	HE1	PHE	224	-4.114	5.506	13.825	0.143000
ATOM	3440	CZ	PHE	224	-4.937	3.674	13.032	-0.107200
ATOM	3441	HZ	PHE	224	-4.805	3.116	13.947	0.129700
ATOM	3442	CE2	PHE	224	-5.506	3.075	11.920	-0.170400
ATOM	3443	HE2	PHE	224	-5.820	2.043	11.967	0.143000
ATOM	3444	CD2	PHE	224	-5.707	3.799	10.742	-0.125600
ATOM	3445	HD2	PHE	224	-6.174	3.326	9.891	0.133000
ATOM	3446	C	PHE	224	-6.928	7.629	8.194	0.597300
ATOM	3447	O	PHE	224	-6.398	8.747	8.092	-0.567900
ATOM	3448	N	MET	225	-7.683	7.162	7.203	-0.415700
ATOM	3449	H	MET	225	-8.115	6.257	7.323	0.271900
ATOM	3450	CA	MET	225	-8.012	7.952	6.020	-0.023700
ATOM	3451	HA	MET	225	-7.118	8.464	5.664	0.088000
ATOM	3452	CB	MET	225	-8.560	7.072	4.872	0.034200
ATOM	3453	HB2	MET	225	-9.449	6.552	5.228	0.024100
ATOM	3454	HB3	MET	225	-8.864	7.707	4.040	0.024100
ATOM	3455	CG	MET	225	-7.561	6.054	4.354	0.001800
ATOM	3456	HG2	MET	225	-7.101	5.539	5.198	0.044000
ATOM	3457	HG3	MET	225	-8.097	5.311	3.763	0.044000
ATOM	3458	SD	MET	225	-6.272	6.742	3.343	-0.273700
ATOM	3459	CE	MET	225	-7.017	6.810	1.716	-0.053600
ATOM	3460	HE1	MET	225	-7.182	5.799	1.342	0.068400
ATOM	3461	HE2	MET	225	-7.972	7.332	1.775	0.068400
ATOM	3462	HE3	MET	225	-6.355	7.345	1.036	0.068400
ATOM	3463	C	MET	225	-9.064	9.020	6.337	0.597300
ATOM	3464	O	MET	225	-9.217	9.929	5.529	-0.567900
ATOM	3465	N	ARG	226	-9.786	8.878	7.444	-0.347900
ATOM	3466	H	ARG	226	-9.606	8.066	8.016	0.274700
ATOM	3467	CA	ARG	226	-10.913	9.736	7.820	-0.263700
ATOM	3468	HA	ARG	226	-11.234	10.338	6.970	0.156000
ATOM	3469	CB	ARG	226	-12.105	8.830	8.226	-0.000700
ATOM	3470	HB2	ARG	226	-11.770	8.134	8.994	0.032700
ATOM	3471	HB3	ARG	226	-12.906	9.436	8.649	0.032700
ATOM	3472	CG	ARG	226	-12.687	8.050	7.049	0.039000
ATOM	3473	HG2	ARG	226	-13.168	8.749	6.364	0.028500
ATOM	3474	HG3	ARG	226	-11.891	7.549	6.497	0.028500
ATOM	3475	CD	ARG	226	-13.690	6.980	7.508	0.048600
ATOM	3476	HD2	ARG	226	-13.982	6.382	6.645	0.068700
ATOM	3477	HD3	ARG	226	-13.197	6.317	8.219	0.068700
ATOM	3478	NE	ARG	226	-14.894	7.558	8.142	-0.529500
ATOM	3479	HE	ARG	226	-15.026	7.367	9.125	0.345600
ATOM	3480	CZ	ARG	226	-15.888	8.186	7.535	0.807600
ATOM	3481	NH1	ARG	226	-15.892	8.361	6.228	-0.862700
ATOM	3482	1HH1	ARG	226	-15.120	8.060	5.651	0.447800
ATOM	3483	2HH1	ARG	226	-16.614	8.927	5.804	0.447800
ATOM	3484	NH2	ARG	226	-16.894	8.661	8.243	-0.862700
ATOM	3485	1HH2	ARG	226	-16.901	8.521	9.244	0.447800
ATOM	3486	2HH2	ARG	226	-17.731	8.950	7.758	0.447800
ATOM	3487	C	ARG	226	-10.557	10.713	8.924	0.734100
ATOM	3488	O	ARG	226	-11.460	11.221	9.600	-0.589400
ATOM	3489	N	VAL	227	-9.272	11.066	9.100	-0.415700
ATOM	3490	H	VAL	227	-8.563	10.587	8.563	0.271900
ATOM	3491	CA	VAL	227	-8.858	12.018	10.150	-0.087500
ATOM	3492	HA	VAL	227	-9.357	11.710	11.069	0.096900
ATOM	3493	CB	VAL	227	-7.340	11.955	10.443	0.298500
ATOM	3494	HB	VAL	227	-7.104	12.723	11.180	-0.029700
ATOM	3495	CG1	VAL	227	-6.954	10.604	11.072	-0.319200
ATOM	3496	1HG1	VAL	227	-5.887	10.596	11.292	0.079100
ATOM	3497	2HG1	VAL	227	-7.517	10.439	11.990	0.079100

ATOM	3498	3HG1	VAL	227	-7.177	9.795	10.376	0.079100
ATOM	3499	CG2	VAL	227	-6.525	12.244	9.193	-0.319200
ATOM	3500	1HG2	VAL	227	-6.899	13.139	8.695	0.079100
ATOM	3501	2HG2	VAL	227	-5.484	12.406	9.474	0.079100
ATOM	3502	3HG2	VAL	227	-6.574	11.405	8.500	0.079100
ATOM	3503	C	VAL	227	-9.363	13.440	9.886	0.597300
ATOM	3504	O	VAL	227	-9.198	14.227	10.825	-0.567900
ATOM	3505	N	ARG	228	-9.931	13.770	8.724	-0.347900
ATOM	3506	H	ARG	228	-9.953	13.083	7.984	0.274700
ATOM	3507	CA	ARG	228	-10.533	15.096	8.484	-0.263700
ATOM	3508	HA	ARG	228	-10.082	15.853	9.124	0.156000
ATOM	3509	CB	ARG	228	-10.381	15.515	7.026	-0.000700
ATOM	3510	HB2	ARG	228	-10.863	14.761	6.404	0.032700
ATOM	3511	HB3	ARG	228	-10.898	16.461	6.868	0.032700
ATOM	3512	CG	ARG	228	-8.930	15.706	6.586	0.039000
ATOM	3513	HG2	ARG	228	-8.520	16.578	7.096	0.028500
ATOM	3514	HG3	ARG	228	-8.329	14.834	6.845	0.028500
ATOM	3515	CD	ARG	228	-8.838	15.939	5.089	0.048600
ATOM	3516	HD2	ARG	228	-9.472	16.784	4.821	0.068700
ATOM	3517	HD3	ARG	228	-7.805	16.204	4.863	0.068700
ATOM	3518	NE	ARG	228	-9.223	14.769	4.297	-0.529500
ATOM	3519	HE	ARG	228	-9.667	14.010	4.794	0.345600
ATOM	3520	CZ	ARG	228	-8.928	14.528	3.031	0.807600
ATOM	3521	NH1	ARG	228	-8.194	15.372	2.329	-0.862700
ATOM	3522	1HH1	ARG	228	-7.944	16.263	2.734	0.447800
ATOM	3523	2HH1	ARG	228	-7.996	15.192	1.355	0.447800
ATOM	3524	NH2	ARG	228	-9.363	13.406	2.480	-0.862700
ATOM	3525	1HH2	ARG	228	-10.003	12.805	2.979	0.447800
ATOM	3526	2HH2	ARG	228	-9.053	13.173	1.547	0.447800
ATOM	3527	C	ARG	228	-12.027	15.051	8.823	0.734100
ATOM	3528	O	ARG	228	-12.690	16.099	8.735	-0.589400
ATOM	3529	N	GLU	229	-12.611	13.899	9.164	-0.516300
ATOM	3530	H	GLU	229	-12.041	13.075	9.284	0.293600
ATOM	3531	CA	GLU	229	-14.035	13.769	9.470	0.039700
ATOM	3532	HA	GLU	229	-14.575	14.416	8.778	0.110500
ATOM	3533	CB	GLU	229	-14.517	12.314	9.299	0.056000
ATOM	3534	HB2	GLU	229	-13.893	11.655	9.901	-0.017300
ATOM	3535	HB3	GLU	229	-15.523	12.229	9.712	-0.017300
ATOM	3536	CG	GLU	229	-14.548	11.813	7.864	0.013600
ATOM	3537	HG2	GLU	229	-13.548	11.903	7.439	-0.042500
ATOM	3538	HG3	GLU	229	-14.800	10.752	7.885	-0.042500
ATOM	3539	CD	GLU	229	-15.553	12.522	6.978	0.805400
ATOM	3540	OE1	GLU	229	-16.645	12.890	7.462	-0.818800
ATOM	3541	OE2	GLU	229	-15.259	12.661	5.771	-0.818800
ATOM	3542	C	GLU	229	-14.319	14.199	10.905	0.536600
ATOM	3543	O	GLU	229	-13.622	13.845	11.850	-0.581900
ATOM	3544	N	LYS	230	-15.315	15.064	11.119	-0.347900
ATOM	3545	H	LYS	230	-15.867	15.368	10.329	0.274700
ATOM	3546	CA	LYS	230	-15.680	15.511	12.468	-0.240000
ATOM	3547	HA	LYS	230	-14.817	16.040	12.872	0.142600
ATOM	3548	CB	LYS	230	-16.834	16.520	12.405	-0.009400
ATOM	3549	HB2	LYS	230	-17.771	16.004	12.196	0.036200
ATOM	3550	HB3	LYS	230	-16.916	16.993	13.384	0.036200
ATOM	3551	CG	LYS	230	-16.602	17.584	11.338	0.018700
ATOM	3552	HG2	LYS	230	-15.537	17.804	11.267	0.010300
ATOM	3553	HG3	LYS	230	-16.946	17.218	10.371	0.010300
ATOM	3554	CD	LYS	230	-17.325	18.880	11.677	-0.047900
ATOM	3555	HD2	LYS	230	-18.394	18.671	11.711	0.062100
ATOM	3556	HD3	LYS	230	-17.012	19.247	12.655	0.062100
ATOM	3557	CE	LYS	230	-17.039	19.943	10.620	-0.014300
ATOM	3558	HE2	LYS	230	-16.049	20.366	10.791	0.113500
ATOM	3559	HE3	LYS	230	-17.043	19.470	9.638	0.113500
ATOM	3560	NZ	LYS	230	-18.076	21.007	10.655	-0.385400
ATOM	3561	HZ1	LYS	230	-17.935	21.707	9.940	0.340000
ATOM	3562	HZ2	LYS	230	-19.001	20.634	10.499	0.340000
ATOM	3563	HZ3	LYS	230	-18.085	21.487	11.544	0.340000
ATOM	3564	C	LYS	230	-15.983	14.411	13.474	0.734100
ATOM	3565	O	LYS	230	-15.630	14.524	14.651	-0.589400
ATOM	3566	N	THR	231	-16.541	13.274	13.055	-0.415700
ATOM	3567	H	THR	231	-16.821	13.185	12.089	0.271900

ATOM	3568	CA	THR	231	-16.789	12.164	13.966	-0.038900
ATOM	3569	HA	THR	231	-17.275	12.722	14.766	0.100700
ATOM	3570	CB	THR	231	-17.588	11.036	13.289	0.365400
ATOM	3571	HB	THR	231	-17.471	10.123	13.873	0.004300
ATOM	3572	CG2	THR	231	-19.075	11.354	13.212	-0.243800
ATOM	3573	1HG2	THR	231	-19.232	12.397	12.935	0.064200
ATOM	3574	2HG2	THR	231	-19.548	10.709	12.472	0.064200
ATOM	3575	3HG2	THR	231	-19.545	11.149	14.174	0.064200
ATOM	3576	OG1	THR	231	-17.075	10.800	11.975	-0.676100
ATOM	3577	HG1	THR	231	-17.054	9.853	11.821	0.410200
ATOM	3578	C	THR	231	-15.496	11.620	14.539	0.597300
ATOM	3579	O	THR	231	-15.336	11.352	15.730	-0.567900
ATOM	3580	N	VAL	232	-14.488	11.456	13.664	-0.415700
ATOM	3581	H	VAL	232	-14.623	11.703	12.694	0.271900
ATOM	3582	CA	VAL	232	-13.202	10.927	14.106	-0.087500
ATOM	3583	HA	VAL	232	-13.386	10.039	14.711	0.096900
ATOM	3584	CB	VAL	232	-12.351	10.476	12.899	0.298500
ATOM	3585	HB	VAL	232	-12.208	11.332	12.240	-0.029700
ATOM	3586	CG1	VAL	232	-10.971	9.979	13.334	-0.319200
ATOM	3587	1HG1	VAL	232	-10.409	9.650	12.460	0.079100
ATOM	3588	2HG1	VAL	232	-10.408	10.779	13.815	0.079100
ATOM	3589	3HG1	VAL	232	-11.076	9.142	14.025	0.079100
ATOM	3590	CG2	VAL	232	-13.064	9.371	12.111	-0.319200
ATOM	3591	1HG2	VAL	232	-12.434	9.053	11.280	0.079100
ATOM	3592	2HG2	VAL	232	-13.264	8.514	12.755	0.079100
ATOM	3593	3HG2	VAL	232	-14.004	9.738	11.698	0.079100
ATOM	3594	C	VAL	232	-12.467	11.918	15.007	0.597300
ATOM	3595	O	VAL	232	-11.896	11.532	16.028	-0.567900
ATOM	3596	N	GLN	233	-12.517	13.202	14.647	-0.415700
ATOM	3597	H	GLN	233	-12.973	13.450	13.781	0.271900
ATOM	3598	CA	GLN	233	-11.905	14.255	15.460	-0.003100
ATOM	3599	HA	GLN	233	-10.850	14.026	15.614	0.085000
ATOM	3600	CB	GLN	233	-12.010	15.588	14.708	-0.003600
ATOM	3601	HB2	GLN	233	-13.042	15.767	14.404	0.017100
ATOM	3602	HB3	GLN	233	-11.694	16.410	15.350	0.017100
ATOM	3603	CG	GLN	233	-11.105	15.572	13.473	-0.064500
ATOM	3604	HG2	GLN	233	-10.112	15.225	13.758	0.035200
ATOM	3605	HG3	GLN	233	-11.485	14.849	12.751	0.035200
ATOM	3606	CD	GLN	233	-10.946	16.890	12.756	0.695100
ATOM	3607	OE1	GLN	233	-11.575	17.914	13.079	-0.608600
ATOM	3608	NE2	GLN	233	-10.074	16.913	11.754	-0.940700
ATOM	3609	1HE2	GLN	233	-10.051	17.733	11.164	0.425100
ATOM	3610	2HE2	GLN	233	-9.614	16.053	11.491	0.425100
ATOM	3611	C	GLN	233	-12.552	14.335	16.840	0.597300
ATOM	3612	O	GLN	233	-11.870	14.405	17.866	-0.567900
ATOM	3613	N	GLN	234	-13.886	14.295	16.840	-0.415700
ATOM	3614	H	GLN	234	-14.405	14.288	15.974	0.271900
ATOM	3615	CA	GLN	234	-14.597	14.350	18.119	-0.003100
ATOM	3616	HA	GLN	234	-14.280	15.206	18.715	0.085000
ATOM	3617	CB	GLN	234	-16.097	14.505	17.887	-0.003600
ATOM	3618	HB2	GLN	234	-16.421	13.810	17.113	0.017100
ATOM	3619	HB3	GLN	234	-16.635	14.283	18.809	0.017100
ATOM	3620	CG	GLN	234	-16.404	15.949	17.478	-0.064500
ATOM	3621	HG2	GLN	234	-16.157	16.587	18.327	0.035200
ATOM	3622	HG3	GLN	234	-15.771	16.253	16.645	0.035200
ATOM	3623	CD	GLN	234	-17.837	16.204	17.079	0.695100
ATOM	3624	OE1	GLN	234	-18.576	15.305	16.675	-0.608600
ATOM	3625	NE2	GLN	234	-18.212	17.466	17.193	-0.940700
ATOM	3626	1HE2	GLN	234	-19.172	17.703	16.991	0.425100
ATOM	3627	2HE2	GLN	234	-17.541	18.177	17.446	0.425100
ATOM	3628	C	GLN	234	-14.273	13.132	18.971	0.597300
ATOM	3629	O	GLN	234	-14.100	13.236	20.185	-0.567900
ATOM	3630	N	HIP	235	-14.103	11.946	18.365	-0.347900
ATOM	3631	H	HIP	235	-14.267	11.873	17.371	0.274700
ATOM	3632	CA	HIP	235	-13.700	10.758	19.114	-0.135400
ATOM	3633	HA	HIP	235	-14.397	10.591	19.935	0.121200
ATOM	3634	CB	HIP	235	-13.708	9.516	18.197	-0.041400
ATOM	3635	HB2	HIP	235	-14.724	9.284	17.878	0.081000
ATOM	3636	HB3	HIP	235	-13.113	9.700	17.303	0.081000
ATOM	3637	CG	HIP	235	-13.150	8.301	18.890	-0.001200

ATOM	3638	ND1	HIP	235	-13.882	7.469	19.703	-0.151300
ATOM	3639	HD1	HIP	235	-14.874	7.533	19.884	0.386600
ATOM	3640	CE1	HIP	235	-13.083	6.528	20.202	-0.017000
ATOM	3641	HE1	HIP	235	-13.380	5.784	20.927	0.268100
ATOM	3642	NE2	HIP	235	-11.843	6.726	19.741	-0.171800
ATOM	3643	HE2	HIP	235	-11.002	6.242	20.022	0.391100
ATOM	3644	CD2	HIP	235	-11.872	7.827	18.913	-0.114100
ATOM	3645	HD2	HIP	235	-11.016	8.270	18.427	0.231700
ATOM	3646	C	HIP	235	-12.319	10.934	19.745	0.734100
ATOM	3647	O	HIP	235	-12.048	10.543	20.880	-0.589400
ATOM	3648	N	ALA	236	-11.384	11.488	18.977	-0.415700
ATOM	3649	H	ALA	236	-11.607	11.715	18.019	0.271900
ATOM	3650	CA	ALA	236	-10.022	11.721	19.445	0.033700
ATOM	3651	HA	ALA	236	-9.657	10.839	19.971	0.082300
ATOM	3652	CB	ALA	236	-9.117	11.984	18.241	-0.182500
ATOM	3653	HB1	ALA	236	-8.097	12.169	18.578	0.060300
ATOM	3654	HB2	ALA	236	-9.116	11.113	17.585	0.060300
ATOM	3655	HB3	ALA	236	-9.469	12.855	17.688	0.060300
ATOM	3656	C	ALA	236	-9.914	12.909	20.389	0.597300
ATOM	3657	O	ALA	236	-8.930	12.992	21.125	-0.567900
ATOM	3658	N	GLY	237	-10.877	13.828	20.355	-0.415700
ATOM	3659	H	GLY	237	-11.622	13.742	19.679	0.271900
ATOM	3660	CA	GLY	237	-10.791	15.026	21.195	-0.025200
ATOM	3661	HA2	GLY	237	-11.780	15.477	21.271	0.069800
ATOM	3662	HA3	GLY	237	-10.442	14.767	22.194	0.069800
ATOM	3663	C	GLY	237	-9.837	16.037	20.572	0.597300
ATOM	3664	O	GLY	237	-9.152	16.784	21.277	-0.567900
ATOM	3665	N	GLU	238	-9.787	16.086	19.239	-0.516300
ATOM	3666	H	GLU	238	-10.381	15.473	18.700	0.293600
ATOM	3667	CA	GLU	238	-8.909	17.020	18.528	0.039700
ATOM	3668	HA	GLU	238	-8.527	17.784	19.205	0.110500
ATOM	3669	CB	GLU	238	-7.706	16.279	17.937	0.056000
ATOM	3670	HB2	GLU	238	-8.121	15.476	17.328	-0.017300
ATOM	3671	HB3	GLU	238	-7.163	16.903	17.226	-0.017300
ATOM	3672	CG	GLU	238	-6.806	15.584	18.947	0.013600
ATOM	3673	HG2	GLU	238	-7.401	14.902	19.554	-0.042500
ATOM	3674	HG3	GLU	238	-6.089	14.970	18.401	-0.042500
ATOM	3675	CD	GLU	238	-6.034	16.532	19.852	0.805400
ATOM	3676	OE1	GLU	238	-5.935	17.737	19.549	-0.818800
ATOM	3677	OE2	GLU	238	-5.500	16.048	20.875	-0.818800
ATOM	3678	C	GLU	238	-9.661	17.763	17.433	0.536600
ATOM	3679	O	GLU	238	-10.814	17.448	17.176	-0.581900
ATOM	3680	N	THR	239	-9.062	18.813	16.867	-0.415700
ATOM	3681	H	THR	239	-8.110	19.033	17.122	0.271900
ATOM	3682	CA	THR	239	-9.726	19.621	15.846	-0.038900
ATOM	3683	HA	THR	239	-10.623	19.103	15.507	0.100700
ATOM	3684	CB	THR	239	-10.191	20.981	16.388	0.365400
ATOM	3685	HB	THR	239	-10.659	21.502	15.552	0.004300
ATOM	3686	CG2	THR	239	-11.255	20.856	17.464	-0.243800
ATOM	3687	1HG2	THR	239	-10.858	20.345	18.340	0.064200
ATOM	3688	2HG2	THR	239	-11.592	21.852	17.752	0.064200
ATOM	3689	3HG2	THR	239	-12.109	20.302	17.075	0.064200
ATOM	3690	OG1	THR	239	-9.050	21.666	16.890	-0.676100
ATOM	3691	HG1	THR	239	-8.773	21.237	17.703	0.410200
ATOM	3692	C	THR	239	-8.927	19.842	14.568	0.597300
ATOM	3693	O	THR	239	-9.264	20.693	13.743	-0.567900
ATOM	3694	N	ASP	240	-7.911	19.014	14.306	-0.516300
ATOM	3695	H	ASP	240	-7.658	18.317	14.991	0.293600
ATOM	3696	CA	ASP	240	-7.142	19.044	13.063	0.038100
ATOM	3697	HA	ASP	240	-7.797	19.382	12.260	0.088000
ATOM	3698	CB	ASP	240	-5.932	19.987	13.147	-0.030300
ATOM	3699	HB2	ASP	240	-5.523	20.170	12.154	-0.012200
ATOM	3700	HB3	ASP	240	-6.261	20.949	13.540	-0.012200
ATOM	3701	CG	ASP	240	-4.843	19.419	14.047	0.799400
ATOM	3702	OD1	ASP	240	-4.960	19.523	15.282	-0.801400
ATOM	3703	OD2	ASP	240	-3.859	18.844	13.528	-0.801400
ATOM	3704	C	ASP	240	-6.659	17.614	12.759	0.536600
ATOM	3705	O	ASP	240	-6.549	16.798	13.675	-0.581900
ATOM	3706	N	PRO	241	-6.353	17.334	11.498	-0.254800
ATOM	3707	CD	PRO	241	-6.526	18.223	10.351	0.019200

ATOM	3708	HD2 PRO	241	-5.820	19.052	10.391	0.039100
ATOM	3709	HD3 PRO	241	-7.546	18.605	10.303	0.039100
ATOM	3710	CG PRO	241	-6.241	17.415	9.116	0.018900
ATOM	3711	HG2 PRO	241	-5.459	17.890	8.522	0.021300
ATOM	3712	HG3 PRO	241	-7.156	17.338	8.529	0.021300
ATOM	3713	CB PRO	241	-5.801	16.062	9.584	-0.007000
ATOM	3714	HB2 PRO	241	-4.761	15.912	9.295	0.025300
ATOM	3715	HB3 PRO	241	-6.410	15.293	9.109	0.025300
ATOM	3716	CA PRO	241	-5.969	15.992	11.088	-0.026600
ATOM	3717	HA PRO	241	-6.781	15.304	11.323	0.064100
ATOM	3718	C PRO	241	-4.692	15.458	11.696	0.589600
ATOM	3719	O PRO	241	-4.643	14.237	11.879	-0.574800
ATOM	3720	N VAL	242	-3.664	16.255	11.953	-0.415700
ATOM	3721	H VAL	242	-3.737	17.245	11.765	0.271900
ATOM	3722	CA VAL	242	-2.402	15.729	12.484	-0.087500
ATOM	3723	HA VAL	242	-2.112	14.858	11.897	0.096900
ATOM	3724	CB VAL	242	-1.298	16.789	12.316	0.298500
ATOM	3725	HB VAL	242	-1.615	17.726	12.775	-0.029700
ATOM	3726	CG1 VAL	242	-0.003	16.356	12.991	-0.319200
ATOM	3727	1HG1 VAL	242	0.302	15.372	12.634	0.079100
ATOM	3728	2HG1 VAL	242	0.784	17.071	12.749	0.079100
ATOM	3729	3HG1 VAL	242	-0.116	16.334	14.075	0.079100
ATOM	3730	CG2 VAL	242	-1.079	17.017	10.821	-0.319200
ATOM	3731	1HG2 VAL	242	-2.004	17.089	10.248	0.079100
ATOM	3732	2HG2 VAL	242	-0.496	17.926	10.675	0.079100
ATOM	3733	3HG2 VAL	242	-0.518	16.179	10.408	0.079100
ATOM	3734	C VAL	242	-2.501	15.264	13.923	0.597300
ATOM	3735	O VAL	242	-2.068	14.157	14.284	-0.567900
ATOM	3736	N THR	243	-3.071	16.097	14.810	-0.415700
ATOM	3737	H THR	243	-3.408	16.999	14.504	0.271900
ATOM	3738	CA THR	243	-3.263	15.659	16.197	-0.038900
ATOM	3739	HA THR	243	-2.307	15.300	16.577	0.100700
ATOM	3740	CB THR	243	-3.721	16.791	17.135	0.365400
ATOM	3741	HB THR	243	-3.850	16.398	18.143	0.004300
ATOM	3742	CG2 THR	243	-2.668	17.892	17.147	-0.243800
ATOM	3743	1HG2 THR	243	-2.545	18.335	16.158	0.064200
ATOM	3744	2HG2 THR	243	-2.980	18.663	17.852	0.064200
ATOM	3745	3HG2 THR	243	-1.714	17.491	17.489	0.064200
ATOM	3746	OG1 THR	243	-4.931	17.309	16.657	-0.676100
ATOM	3747	HG1 THR	243	-4.720	17.966	15.989	0.410200
ATOM	3748	C THR	243	-4.241	14.482	16.287	0.597300
ATOM	3749	O THR	243	-4.081	13.599	17.129	-0.567900
ATOM	3750	N THR	244	-5.284	14.457	15.455	-0.415700
ATOM	3751	H THR	244	-5.425	15.262	14.861	0.271900
ATOM	3752	CA THR	244	-6.234	13.347	15.366	-0.038900
ATOM	3753	HA THR	244	-6.676	13.180	16.348	0.100700
ATOM	3754	CB THR	244	-7.365	13.683	14.380	0.365400
ATOM	3755	HB THR	244	-6.962	13.876	13.385	0.004300
ATOM	3756	CG2 THR	244	-8.364	12.536	14.312	-0.243800
ATOM	3757	1HG2 THR	244	-7.885	11.627	13.948	0.064200
ATOM	3758	2HG2 THR	244	-8.787	12.349	15.299	0.064200
ATOM	3759	3HG2 THR	244	-9.161	12.809	13.620	0.064200
ATOM	3760	OG1 THR	244	-8.091	14.843	14.846	-0.676100
ATOM	3761	HG1 THR	244	-7.587	15.609	14.563	0.410200
ATOM	3762	C THR	244	-5.485	12.070	14.960	0.597300
ATOM	3763	O THR	244	-5.630	11.065	15.636	-0.567900
ATOM	3764	N MET	245	-4.671	12.134	13.897	-0.415700
ATOM	3765	H MET	245	-4.602	12.982	13.352	0.271900
ATOM	3766	CA MET	245	-3.877	10.963	13.494	-0.023700
ATOM	3767	HA MET	245	-4.550	10.159	13.193	0.088000
ATOM	3768	CB MET	245	-3.012	11.365	12.291	0.034200
ATOM	3769	HB2 MET	245	-3.661	11.716	11.488	0.024100
ATOM	3770	HB3 MET	245	-2.365	12.193	12.580	0.024100
ATOM	3771	CG MET	245	-2.129	10.236	11.770	0.001800
ATOM	3772	HG2 MET	245	-1.392	10.669	11.093	0.044000
ATOM	3773	HG3 MET	245	-1.579	9.783	12.595	0.044000
ATOM	3774	SD MET	245	-3.008	8.929	10.864	-0.273700
ATOM	3775	CE MET	245	-3.289	9.784	9.305	-0.053600
ATOM	3776	HE1 MET	245	-3.860	10.697	9.473	0.068400
ATOM	3777	HE2 MET	245	-2.332	10.027	8.843	0.068400

ATOM	3778	HE3	MET	245	-3.860	9.137	8.640	0.068400
ATOM	3779	C	MET	245	-2.992	10.432	14.620	0.597300
ATOM	3780	O	MET	245	-2.957	9.226	14.914	-0.567900
ATOM	3781	N	ARG	246	-2.299	11.341	15.321	-0.347900
ATOM	3782	H	ARG	246	-2.336	12.310	15.039	0.274700
ATOM	3783	CA	ARG	246	-1.431	10.945	16.428	-0.263700
ATOM	3784	HA	ARG	246	-0.684	10.241	16.063	0.156000
ATOM	3785	CB	ARG	246	-0.722	12.188	16.995	-0.000700
ATOM	3786	HB2	ARG	246	-0.221	12.690	16.168	0.032700
ATOM	3787	HB3	ARG	246	-1.457	12.883	17.401	0.032700
ATOM	3788	CG	ARG	246	0.307	11.852	18.069	0.039000
ATOM	3789	HG2	ARG	246	-0.177	11.395	18.932	0.028500
ATOM	3790	HG3	ARG	246	1.015	11.137	17.650	0.028500
ATOM	3791	CD	ARG	246	1.077	13.084	18.533	0.048600
ATOM	3792	HD2	ARG	246	0.557	13.629	19.321	0.068700
ATOM	3793	HD3	ARG	246	1.913	12.670	19.098	0.068700
ATOM	3794	NE	ARG	246	1.732	13.836	17.465	-0.529500
ATOM	3795	HE	ARG	246	2.519	13.367	17.038	0.345600
ATOM	3796	CZ	ARG	246	1.474	15.016	16.934	0.807600
ATOM	3797	NH1	ARG	246	0.494	15.786	17.344	-0.862700
ATOM	3798	1HH1	ARG	246	0.014	15.536	18.196	0.447800
ATOM	3799	2HH1	ARG	246	0.407	16.708	16.939	0.447800
ATOM	3800	NH2	ARG	246	2.225	15.472	15.946	-0.862700
ATOM	3801	1HH2	ARG	246	3.092	15.012	15.710	0.447800
ATOM	3802	2HH2	ARG	246	2.051	16.411	15.618	0.447800
ATOM	3803	C	ARG	246	-2.212	10.228	17.530	0.734100
ATOM	3804	O	ARG	246	-1.795	9.180	18.027	-0.589400
ATOM	3805	N	ALA	247	-3.389	10.779	17.868	-0.415700
ATOM	3806	H	ALA	247	-3.687	11.630	17.413	0.271900
ATOM	3807	CA	ALA	247	-4.215	10.197	18.918	0.033700
ATOM	3808	HA	ALA	247	-3.578	9.985	19.777	0.082300
ATOM	3809	CB	ALA	247	-5.302	11.162	19.385	-0.182500
ATOM	3810	HB1	ALA	247	-5.903	11.478	18.533	0.060300
ATOM	3811	HB2	ALA	247	-5.943	10.676	20.121	0.060300
ATOM	3812	HB3	ALA	247	-4.839	12.031	19.853	0.060300
ATOM	3813	C	ALA	247	-4.819	8.859	18.518	0.597300
ATOM	3814	O	ALA	247	-4.822	7.913	19.304	-0.567900
ATOM	3815	N	VAL	248	-5.302	8.760	17.277	-0.415700
ATOM	3816	H	VAL	248	-5.316	9.568	16.672	0.271900
ATOM	3817	CA	VAL	248	-5.922	7.498	16.849	-0.087500
ATOM	3818	HA	VAL	248	-6.641	7.184	17.605	0.096900
ATOM	3819	CB	VAL	248	-6.698	7.717	15.547	0.298500
ATOM	3820	HB	VAL	248	-6.009	8.092	14.791	-0.029700
ATOM	3821	CG1	VAL	248	-7.320	6.428	15.027	-0.319200
ATOM	3822	1HG1	VAL	248	-6.552	5.688	14.803	0.079100
ATOM	3823	2HG1	VAL	248	-8.013	6.028	15.766	0.079100
ATOM	3824	3HG1	VAL	248	-7.861	6.644	14.106	0.079100
ATOM	3825	CG2	VAL	248	-7.804	8.767	15.750	-0.319200
ATOM	3826	1HG2	VAL	248	-8.221	9.048	14.783	0.079100
ATOM	3827	2HG2	VAL	248	-8.598	8.348	16.368	0.079100
ATOM	3828	3HG2	VAL	248	-7.449	9.667	16.251	0.079100
ATOM	3829	C	VAL	248	-4.871	6.393	16.739	0.597300
ATOM	3830	O	VAL	248	-5.141	5.249	17.121	-0.567900
ATOM	3831	N	ARG	249	-3.651	6.722	16.308	-0.347900
ATOM	3832	H	ARG	249	-3.455	7.660	15.991	0.274700
ATOM	3833	CA	ARG	249	-2.635	5.663	16.214	-0.263700
ATOM	3834	HA	ARG	249	-3.065	4.790	15.723	0.156000
ATOM	3835	CB	ARG	249	-1.450	6.162	15.394	-0.000700
ATOM	3836	HB2	ARG	249	-1.820	6.505	14.428	0.032700
ATOM	3837	HB3	ARG	249	-1.050	7.050	15.884	0.032700
ATOM	3838	CG	ARG	249	-0.316	5.164	15.139	0.039000
ATOM	3839	HG2	ARG	249	0.520	5.689	14.678	0.028500
ATOM	3840	HG3	ARG	249	0.025	4.741	16.084	0.028500
ATOM	3841	CD	ARG	249	-0.775	4.047	14.200	0.048600
ATOM	3842	HD2	ARG	249	-1.627	4.374	13.604	0.068700
ATOM	3843	HD3	ARG	249	0.047	3.817	13.523	0.068700
ATOM	3844	NE	ARG	249	-1.100	2.843	14.965	-0.529500
ATOM	3845	HE	ARG	249	-0.945	2.856	15.963	0.345600
ATOM	3846	CZ	ARG	249	-1.427	1.666	14.451	0.807600
ATOM	3847	NH1	ARG	249	-1.541	1.492	13.147	-0.862700

ATOM	3848	1HH1	ARG	249	-1.354	2.254	12.511	0.447800
ATOM	3849	2HH1	ARG	249	-1.775	0.583	12.773	0.447800
ATOM	3850	NH2	ARG	249	-1.649	0.639	15.255	-0.862700
ATOM	3851	1HH2	ARG	249	-1.270	0.732	16.187	0.447800
ATOM	3852	2HH2	ARG	249	-1.781	-0.286	14.872	0.447800
ATOM	3853	C	ARG	249	-2.190	5.194	17.595	0.734100
ATOM	3854	O	ARG	249	-1.985	3.993	17.797	-0.589400
ATOM	3855	N	ARG	250	-2.060	6.131	18.540	-0.347900
ATOM	3856	H	ARG	250	-2.228	7.100	18.310	0.274700
ATOM	3857	CA	ARG	250	-1.717	5.738	19.906	-0.263700
ATOM	3858	HA	ARG	250	-0.808	5.138	19.906	0.156000
ATOM	3859	CB	ARG	250	-1.500	6.975	20.772	-0.000700
ATOM	3860	HB2	ARG	250	-2.322	7.674	20.618	0.032700
ATOM	3861	HB3	ARG	250	-1.523	6.661	21.816	0.032700
ATOM	3862	CG	ARG	250	-0.176	7.697	20.553	0.039000
ATOM	3863	HG2	ARG	250	0.656	7.011	20.719	0.028500
ATOM	3864	HG3	ARG	250	-0.122	8.082	19.535	0.028500
ATOM	3865	CD	ARG	250	-0.085	8.848	21.551	0.048600
ATOM	3866	HD2	ARG	250	-1.023	9.403	21.511	0.068700
ATOM	3867	HD3	ARG	250	0.019	8.436	22.555	0.068700
ATOM	3868	NE	ARG	250	1.038	9.744	21.275	-0.529500
ATOM	3869	HE	ARG	250	1.760	9.432	20.641	0.345600
ATOM	3870	CZ	ARG	250	1.188	10.966	21.765	0.807600
ATOM	3871	NH1	ARG	250	0.292	11.502	22.568	-0.862700
ATOM	3872	1HH1	ARG	250	-0.606	11.046	22.642	0.447800
ATOM	3873	2HH1	ARG	250	0.366	12.482	22.803	0.447800
ATOM	3874	NH2	ARG	250	2.255	11.670	21.441	-0.862700
ATOM	3875	1HH2	ARG	250	2.974	11.275	20.852	0.447800
ATOM	3876	2HH2	ARG	250	2.436	12.508	21.975	0.447800
ATOM	3877	C	ARG	250	-2.802	4.867	20.539	0.734100
ATOM	3878	O	ARG	250	-2.494	3.868	21.197	-0.589400
ATOM	3879	N	GLU	251	-4.069	5.196	20.304	-0.516300
ATOM	3880	H	GLU	251	-4.271	6.041	19.789	0.293600
ATOM	3881	CA	GLU	251	-5.177	4.386	20.808	0.039700
ATOM	3882	HA	GLU	251	-5.035	4.262	21.882	0.110500
ATOM	3883	CB	GLU	251	-6.498	5.125	20.595	0.056000
ATOM	3884	HB2	GLU	251	-6.448	6.101	21.078	-0.017300
ATOM	3885	HB3	GLU	251	-6.641	5.266	19.524	-0.017300
ATOM	3886	CG	GLU	251	-7.701	4.375	21.170	0.013600
ATOM	3887	HG2	GLU	251	-7.729	3.359	20.776	-0.042500
ATOM	3888	HG3	GLU	251	-7.569	4.323	22.251	-0.042500
ATOM	3889	CD	GLU	251	-9.019	5.058	20.869	0.805400
ATOM	3890	OE1	GLU	251	-9.088	5.993	20.046	-0.818800
ATOM	3891	OE2	GLU	251	-10.007	4.628	21.506	-0.818800
ATOM	3892	C	GLU	251	-5.161	2.989	20.197	0.536600
ATOM	3893	O	GLU	251	-5.241	1.983	20.896	-0.581900
ATOM	3894	N	LYS	252	-5.017	2.842	18.870	-0.347900
ATOM	3895	H	LYS	252	-4.967	3.657	18.276	0.274700
ATOM	3896	CA	LYS	252	-4.993	1.492	18.283	-0.240000
ATOM	3897	HA	LYS	252	-5.915	0.986	18.567	0.142600
ATOM	3898	CB	LYS	252	-4.927	1.529	16.747	-0.009400
ATOM	3899	HB2	LYS	252	-5.686	2.220	16.381	0.036200
ATOM	3900	HB3	LYS	252	-3.954	1.897	16.424	0.036200
ATOM	3901	CG	LYS	252	-5.189	0.141	16.153	0.018700
ATOM	3902	HG2	LYS	252	-4.326	-0.473	16.408	0.010300
ATOM	3903	HG3	LYS	252	-6.093	-0.284	16.591	0.010300
ATOM	3904	CD	LYS	252	-5.329	0.168	14.631	-0.047900
ATOM	3905	HD2	LYS	252	-6.115	0.870	14.351	0.062100
ATOM	3906	HD3	LYS	252	-4.394	0.502	14.180	0.062100
ATOM	3907	CE	LYS	252	-5.699	-1.211	14.096	-0.014300
ATOM	3908	HE2	LYS	252	-6.643	-1.517	14.548	0.113500
ATOM	3909	HE3	LYS	252	-5.832	-1.164	13.015	0.113500
ATOM	3910	NZ	LYS	252	-4.637	-2.188	14.446	-0.385400
ATOM	3911	HZ1	LYS	252	-4.383	-2.090	15.418	0.340000
ATOM	3912	HZ2	LYS	252	-4.926	-3.138	14.261	0.340000
ATOM	3913	HZ3	LYS	252	-3.803	-2.014	13.904	0.340000
ATOM	3914	C	LYS	252	-3.842	0.642	18.818	0.734100
ATOM	3915	O	LYS	252	-4.030	-0.556	19.072	-0.589400
ATOM	3916	N	ASP	253	-2.681	1.243	19.045	-0.516300
ATOM	3917	H	ASP	253	-2.581	2.218	18.801	0.293600

ATOM	3918	CA	ASP	253	-1.523	0.521	19.570	0.038100
ATOM	3919	HA	ASP	253	-1.238	-0.268	18.873	0.088000
ATOM	3920	CB	ASP	253	-0.348	1.486	19.742	-0.030300
ATOM	3921	HB2	ASP	253	-0.662	2.329	20.358	-0.012200
ATOM	3922	HB3	ASP	253	0.422	0.962	20.308	-0.012200
ATOM	3923	CG	ASP	253	0.349	2.026	18.505	0.799400
ATOM	3924	OD1	ASP	253	0.146	1.518	17.384	-0.801400
ATOM	3925	OD2	ASP	253	1.144	2.988	18.636	-0.801400
ATOM	3926	C	ASP	253	-1.834	-0.129	20.924	0.536600
ATOM	3927	O	ASP	253	-1.222	-1.141	21.252	-0.581900
ATOM	3928	N	GLN	254	-2.727	0.435	21.731	-0.415700
ATOM	3929	H	GLN	254	-3.170	1.290	21.428	0.271900
ATOM	3930	CA	GLN	254	-3.092	-0.110	23.040	-0.003100
ATOM	3931	HA	GLN	254	-2.339	-0.822	23.380	0.085000
ATOM	3932	CB	GLN	254	-3.114	1.057	24.038	-0.003600
ATOM	3933	HB2	GLN	254	-3.820	1.802	23.671	0.017100
ATOM	3934	HB3	GLN	254	-3.470	0.705	25.006	0.017100
ATOM	3935	CG	GLN	254	-1.759	1.732	24.225	-0.064500
ATOM	3936	HG2	GLN	254	-1.141	1.114	24.877	0.035200
ATOM	3937	HG3	GLN	254	-1.231	1.761	23.272	0.035200
ATOM	3938	CD	GLN	254	-1.776	3.155	24.757	0.695100
ATOM	3939	OE1	GLN	254	-2.067	3.489	25.898	-0.608600
ATOM	3940	NE2	GLN	254	-1.412	4.104	23.919	-0.940700
ATOM	3941	1HE2	GLN	254	-1.370	5.052	24.266	0.425100
ATOM	3942	2HE2	GLN	254	-1.296	3.891	22.939	0.425100
ATOM	3943	C	GLN	254	-4.441	-0.834	23.086	0.597300
ATOM	3944	O	GLN	254	-4.845	-1.359	24.129	-0.567900
ATOM	3945	N	PHE	255	-5.181	-0.908	21.986	-0.415700
ATOM	3946	H	PHE	255	-4.826	-0.457	21.155	0.271900
ATOM	3947	CA	PHE	255	-6.527	-1.467	21.924	-0.002400
ATOM	3948	HA	PHE	255	-7.138	-0.981	22.685	0.097800
ATOM	3949	CB	PHE	255	-7.101	-1.119	20.539	-0.034300
ATOM	3950	HB2	PHE	255	-6.984	-0.048	20.374	0.029500
ATOM	3951	HB3	PHE	255	-6.524	-1.626	19.765	0.029500
ATOM	3952	CG	PHE	255	-8.561	-1.432	20.365	0.011800
ATOM	3953	CD1	PHE	255	-9.517	-0.791	21.146	-0.125600
ATOM	3954	HD1	PHE	255	-9.215	-0.080	21.901	0.133000
ATOM	3955	CE1	PHE	255	-10.870	-1.070	20.971	-0.170400
ATOM	3956	HE1	PHE	255	-11.599	-0.583	21.601	0.143000
ATOM	3957	CZ	PHE	255	-11.282	-1.988	20.013	-0.107200
ATOM	3958	HZ	PHE	255	-12.333	-2.211	19.903	0.129700
ATOM	3959	CE2	PHE	255	-10.339	-2.638	19.228	-0.170400
ATOM	3960	HE2	PHE	255	-10.645	-3.365	18.491	0.143000
ATOM	3961	CD2	PHE	255	-8.989	-2.358	19.419	-0.125600
ATOM	3962	HD2	PHE	255	-8.256	-2.878	18.820	0.133000
ATOM	3963	C	PHE	255	-6.648	-2.975	22.107	0.597300
ATOM	3964	O	PHE	255	-5.984	-3.719	21.383	-0.567900
ATOM	3965	N	LYS	256	-7.551	-3.448	22.976	-0.347900
ATOM	3966	H	LYS	256	-8.137	-2.815	23.502	0.274700
ATOM	3967	CA	LYS	256	-7.740	-4.899	23.101	-0.240000
ATOM	3968	HA	LYS	256	-6.825	-5.418	22.815	0.142600
ATOM	3969	CB	LYS	256	-8.078	-5.304	24.538	-0.009400
ATOM	3970	HB2	LYS	256	-7.901	-4.458	25.202	0.036200
ATOM	3971	HB3	LYS	256	-9.137	-5.550	24.615	0.036200
ATOM	3972	CG	LYS	256	-7.240	-6.489	25.034	0.018700
ATOM	3973	HG2	LYS	256	-7.233	-7.277	24.281	0.010300
ATOM	3974	HG3	LYS	256	-6.217	-6.153	25.207	0.010300
ATOM	3975	CD	LYS	256	-7.824	-7.050	26.323	-0.047900
ATOM	3976	HD2	LYS	256	-8.129	-6.220	26.960	0.062100
ATOM	3977	HD3	LYS	256	-8.709	-7.641	26.084	0.062100
ATOM	3978	CE	LYS	256	-6.831	-7.901	27.109	-0.014300
ATOM	3979	HE2	LYS	256	-6.516	-8.741	26.490	0.113500
ATOM	3980	HE3	LYS	256	-5.955	-7.298	27.345	0.113500
ATOM	3981	NZ	LYS	256	-7.455	-8.402	28.365	-0.385400
ATOM	3982	HZ1	LYS	256	-7.749	-7.642	28.962	0.340000
ATOM	3983	HZ2	LYS	256	-8.267	-8.965	28.155	0.340000
ATOM	3984	HZ3	LYS	256	-6.800	-8.972	28.880	0.340000
ATOM	3985	C	LYS	256	-8.846	-5.335	22.149	0.734100
ATOM	3986	O	LYS	256	-9.969	-4.842	22.247	-0.589400
ATOM	3987	N	MET	257	-8.539	-6.216	21.216	-0.415700

ATOM	3988	H	MET	257	-7.591	-6.563	21.176	0.271900
ATOM	3989	CA	MET	257	-9.496	-6.702	20.237	-0.023700
ATOM	3990	HA	MET	257	-9.883	-5.821	19.726	0.088000
ATOM	3991	CB	MET	257	-8.794	-7.535	19.158	0.034200
ATOM	3992	HB2	MET	257	-8.207	-8.324	19.628	0.024100
ATOM	3993	HB3	MET	257	-9.539	-8.003	18.514	0.024100
ATOM	3994	CG	MET	257	-7.868	-6.688	18.289	0.001800
ATOM	3995	HG2	MET	257	-7.211	-6.090	18.921	0.044000
ATOM	3996	HG3	MET	257	-7.246	-7.350	17.687	0.044000
ATOM	3997	SD	MET	257	-8.782	-5.601	17.172	-0.273700
ATOM	3998	CE	MET	257	-7.435	-4.510	16.672	-0.053600
ATOM	3999	HE1	MET	257	-7.784	-3.791	15.932	0.068400
ATOM	4000	HE2	MET	257	-7.054	-3.976	17.543	0.068400
ATOM	4001	HE3	MET	257	-6.607	-5.090	16.265	0.068400
ATOM	4002	C	MET	257	-10.611	-7.549	20.846	0.597300
ATOM	4003	O	MET	257	-10.349	-8.564	21.497	-0.567900
ATOM	4004	N	PRO	258	-11.860	-7.163	20.586	-0.254800
ATOM	4005	CD	PRO	258	-12.250	-5.976	19.809	0.019200
ATOM	4006	HD2	PRO	258	-12.170	-6.183	18.742	0.039100
ATOM	4007	HD3	PRO	258	-11.683	-5.087	20.086	0.039100
ATOM	4008	CG	PRO	258	-13.684	-5.751	20.205	0.018900
ATOM	4009	HG2	PRO	258	-14.260	-5.325	19.383	0.021300
ATOM	4010	HG3	PRO	258	-13.705	-5.074	21.058	0.021300
ATOM	4011	CB	PRO	258	-14.221	-7.089	20.626	-0.007000
ATOM	4012	HB2	PRO	258	-14.735	-7.543	19.779	0.025300
ATOM	4013	HB3	PRO	258	-14.917	-6.985	21.458	0.025300
ATOM	4014	CA	PRO	258	-13.019	-7.930	21.023	-0.026600
ATOM	4015	HA	PRO	258	-12.986	-8.067	22.104	0.064100
ATOM	4016	C	PRO	258	-13.026	-9.276	20.303	0.589600
ATOM	4017	O	PRO	258	-12.402	-9.421	19.251	-0.574800
ATOM	4018	N	ARG	259	-13.714	-10.299	20.754	-0.347900
ATOM	4019	H	ARG	259	-14.615	-10.032	21.124	0.274700
ATOM	4020	CA	ARG	259	-13.715	-11.602	20.162	-0.263700
ATOM	4021	HA	ARG	259	-12.771	-11.684	19.623	0.156000
ATOM	4022	CB	ARG	259	-13.732	-12.676	21.252	-0.000700
ATOM	4023	HB2	ARG	259	-12.987	-12.397	21.997	0.032700
ATOM	4024	HB3	ARG	259	-14.704	-12.683	21.744	0.032700
ATOM	4025	CG	ARG	259	-13.403	-14.089	20.797	0.039000
ATOM	4026	HG2	ARG	259	-13.224	-14.705	21.678	0.028500
ATOM	4027	HG3	ARG	259	-14.257	-14.524	20.278	0.028500
ATOM	4028	CD	ARG	259	-12.169	-14.152	19.908	0.048600
ATOM	4029	HD2	ARG	259	-12.235	-13.441	19.084	0.068700
ATOM	4030	HD3	ARG	259	-11.292	-13.926	20.514	0.068700
ATOM	4031	NE	ARG	259	-12.027	-15.458	19.270	-0.529500
ATOM	4032	HE	ARG	259	-12.792	-16.114	19.332	0.345600
ATOM	4033	CZ	ARG	259	-10.967	-15.822	18.563	0.807600
ATOM	4034	NH1	ARG	259	-9.949	-14.995	18.404	-0.862700
ATOM	4035	1HH1	ARG	259	-9.944	-14.095	18.862	0.447800
ATOM	4036	2HH1	ARG	259	-9.182	-15.261	17.802	0.447800
ATOM	4037	NH2	ARG	259	-10.922	-17.021	18.023	-0.862700
ATOM	4038	1HH2	ARG	259	-11.681	-17.674	18.155	0.447800
ATOM	4039	2HH2	ARG	259	-10.099	-17.287	17.502	0.447800
ATOM	4040	C	ARG	259	-14.783	-11.822	19.108	0.734100
ATOM	4041	O	ARG	259	-14.939	-12.939	18.613	-0.589400
ATOM	4042	N	ASP	260	-15.547	-10.809	18.740	-0.519200
ATOM	4043	H	ASP	260	-15.385	-9.904	19.158	0.305500
ATOM	4044	CA	ASP	260	-16.578	-10.826	17.718	-0.181700
ATOM	4045	HA	ASP	260	-16.211	-11.463	16.914	0.104600
ATOM	4046	CB	ASP	260	-17.876	-11.324	18.272	-0.067700
ATOM	4047	HB2	ASP	260	-18.001	-10.709	19.162	-0.021200
ATOM	4048	HB3	ASP	260	-18.522	-11.085	17.427	-0.021200
ATOM	4049	CG	ASP	260	-18.066	-12.802	18.597	0.885100
ATOM	4050	OD1	ASP	260	-17.674	-13.624	17.740	-0.816200
ATOM	4051	OD2	ASP	260	-18.595	-13.151	19.686	-0.816200
ATOM	4052	C	ASP	260	-16.738	-9.396	17.171	0.725600
ATOM	4053	O	ASP	260	-17.081	-9.119	16.006	-0.788700
ATOM	4054	OXT	ASP	260	-16.257	-8.487	17.876	-0.788700
ATOM	4055	ZN	ZN	261	6.648	-3.374	7.612	0.917819
ATOM	4056	O1	XOH	262	6.467	-5.255	7.880	-0.975756
ATOM	4057	H1	XOH	262	7.053	-6.137	7.835	0.465536

ATOM	4058	ZN	ZN	263	4.878	-5.984	6.954	0.882312
ATOM	4059	O1	SLG	264	1.954	-8.975	16.711	-0.623540
ATOM	4060	C1	SLG	264	3.161	-8.811	16.514	0.757686
ATOM	4061	O2	SLG	264	3.999	-8.833	17.486	-0.616274
ATOM	4062	H17	SLG	264	4.890	-8.838	17.092	0.398307
ATOM	4063	C2	SLG	264	3.760	-8.593	15.098	0.248419
ATOM	4064	N1	SLG	264	4.506	-9.787	14.620	-1.044599
ATOM	4065	H4	SLG	264	5.313	-9.913	15.227	0.423946
ATOM	4066	H5	SLG	264	4.931	-9.557	13.725	0.423946
ATOM	4067	H6	SLG	264	4.464	-7.761	15.187	0.038040
ATOM	4068	C3	SLG	264	2.720	-8.238	13.997	-0.239917
ATOM	4069	H7	SLG	264	2.038	-9.088	13.936	0.102501
ATOM	4070	H8	SLG	264	3.227	-8.194	13.031	0.102501
ATOM	4071	C5	SLG	264	1.872	-6.939	14.176	-0.076110
ATOM	4072	H11	SLG	264	0.921	-7.148	13.682	0.048245
ATOM	4073	H12	SLG	264	1.637	-6.777	15.230	0.048245
ATOM	4074	C6	SLG	264	2.415	-5.634	13.587	0.541362
ATOM	4075	O3	SLG	264	2.887	-4.775	14.325	-0.618272
ATOM	4076	N2	SLG	264	2.342	-5.490	12.256	-0.294180
ATOM	4077	H18	SLG	264	1.968	-6.269	11.735	0.245427
ATOM	4078	C7	SLG	264	2.842	-4.320	11.502	-0.104973
ATOM	4079	C8	SLG	264	1.863	-3.117	11.438	0.780231
ATOM	4080	O4	SLG	264	2.219	-2.045	10.959	-0.610279
ATOM	4081	N3	SLG	264	0.599	-3.374	11.830	-0.772203
ATOM	4082	C9	SLG	264	-0.534	-2.435	11.682	0.136574
ATOM	4083	C10	SLG	264	-1.328	-2.138	12.952	0.802648
ATOM	4084	O5	SLG	264	-0.959	-2.661	14.007	-0.766529
ATOM	4085	O6	SLG	264	-2.300	-1.380	12.880	-0.766529
ATOM	4086	H1	SLG	264	-1.249	-2.846	10.964	0.028767
ATOM	4087	H2	SLG	264	-0.171	-1.466	11.329	0.028767
ATOM	4088	H3	SLG	264	0.406	-4.301	12.178	0.359720
ATOM	4089	H13	SLG	264	3.748	-3.935	11.978	0.118969
ATOM	4090	C4	SLG	264	3.184	-4.772	10.058	-0.112382
ATOM	4091	H9	SLG	264	2.319	-5.138	9.499	0.143880
ATOM	4092	H10	SLG	264	3.600	-3.942	9.481	0.143880
ATOM	4093	S1	SLG	264	4.479	-6.071	10.088	-0.343092
ATOM	4094	C12	SLG	264	6.012	-5.280	10.556	0.370283
ATOM	4095	O8	SLG	264	6.005	-4.076	10.579	-0.423244
ATOM	4096	C11	SLG	264	7.199	-6.006	10.798	0.507159
ATOM	4097	C13	SLG	264	7.394	-6.180	12.307	-0.584714
ATOM	4098	H14	SLG	264	7.651	-5.215	12.749	0.144167
ATOM	4099	H15	SLG	264	6.480	-6.540	12.784	0.144167
ATOM	4100	H16	SLG	264	8.216	-6.872	12.502	0.144167
ATOM	4101	H19	SLG	264	8.027	-5.459	10.340	0.028112
ATOM	4102	O7	SLG	264	7.081	-7.207	10.229	-0.714764
ATOM	4103	H20	SLG	264	6.953	-6.947	9.299	0.451485
HETATM	4104	O	WAT	265	-2.241	1.669	27.155	-0.834000
HETATM	4105	H1	WAT	265	-1.835	1.866	27.999	0.417000
HETATM	4106	H2	WAT	265	-2.134	2.471	26.644	0.417000
HETATM	4107	O	WAT	266	-5.385	-5.333	5.652	-0.834000
HETATM	4108	H1	WAT	266	-4.715	-5.909	5.284	0.417000
HETATM	4109	H2	WAT	266	-6.207	-5.804	5.515	0.417000
HETATM	4110	O	WAT	267	12.090	0.539	4.263	-0.834000
HETATM	4111	H1	WAT	267	11.394	1.108	4.592	0.417000
HETATM	4112	H2	WAT	267	12.801	1.138	4.035	0.417000
HETATM	4113	O	WAT	268	-7.934	0.343	11.759	-0.834000
HETATM	4114	H1	WAT	268	-8.087	0.475	10.824	0.417000
HETATM	4115	H2	WAT	268	-8.725	-0.097	12.071	0.417000
HETATM	4116	O	WAT	269	-9.836	12.138	5.848	-0.834000
HETATM	4117	H1	WAT	269	-9.450	11.272	5.716	0.417000
HETATM	4118	H2	WAT	269	-10.670	12.102	5.381	0.417000
HETATM	4119	O	WAT	270	11.116	0.610	-0.663	-0.834000
HETATM	4120	H1	WAT	270	10.257	0.221	-0.499	0.417000
HETATM	4121	H2	WAT	270	11.163	1.350	-0.057	0.417000
HETATM	4122	O	WAT	271	10.124	6.627	1.080	-0.834000
HETATM	4123	H1	WAT	271	10.203	6.727	2.028	0.417000
HETATM	4124	H2	WAT	271	9.425	5.983	0.964	0.417000
HETATM	4125	O	WAT	272	4.731	4.285	5.514	-0.834000
HETATM	4126	H1	WAT	272	4.155	3.799	4.924	0.417000
HETATM	4127	H2	WAT	272	5.102	4.979	4.969	0.417000

HETATM 4128	O	WAT	273	3.916	-8.392	2.286	-0.834000
HETATM 4129	H1	WAT	273	3.236	-8.596	1.644	0.417000
HETATM 4130	H2	WAT	273	4.649	-8.959	2.047	0.417000
HETATM 4131	O	WAT	274	11.200	-10.325	-0.432	-0.834000
HETATM 4132	H1	WAT	274	11.632	-9.906	-1.175	0.417000
HETATM 4133	H2	WAT	274	10.596	-9.660	-0.099	0.417000
HETATM 4134	O	WAT	275	-14.768	-3.062	17.766	-0.834000
HETATM 4135	H1	WAT	275	-15.095	-2.449	18.424	0.417000
HETATM 4136	H2	WAT	275	-14.165	-2.544	17.234	0.417000
HETATM 4137	O	WAT	276	-11.355	-5.233	-0.061	-0.834000
HETATM 4138	H1	WAT	276	-11.405	-5.348	-1.010	0.417000
HETATM 4139	H2	WAT	276	-10.802	-5.954	0.239	0.417000
HETATM 4140	O	WAT	277	-3.806	-1.127	10.723	-0.834000
HETATM 4141	H1	WAT	277	-3.155	-1.135	11.425	0.417000
HETATM 4142	H2	WAT	277	-4.344	-1.901	10.886	0.417000
HETATM 4143	O	WAT	278	5.689	-10.223	1.566	-0.834000
HETATM 4144	H1	WAT	278	6.349	-10.237	2.259	0.417000
HETATM 4145	H2	WAT	278	6.192	-10.278	0.754	0.417000
HETATM 4146	O	WAT	279	-7.191	-9.102	11.045	-0.834000
HETATM 4147	H1	WAT	279	-7.352	-9.408	10.152	0.417000
HETATM 4148	H2	WAT	279	-7.223	-9.895	11.580	0.417000
HETATM 4149	O	WAT	280	4.748	10.152	4.121	-0.834000
HETATM 4150	H1	WAT	280	5.311	9.612	4.676	0.417000
HETATM 4151	H2	WAT	280	3.998	10.365	4.675	0.417000
HETATM 4152	O	WAT	281	3.054	-12.750	8.204	-0.834000
HETATM 4153	H1	WAT	281	3.469	-12.226	7.519	0.417000
HETATM 4154	H2	WAT	281	2.372	-12.181	8.561	0.417000
HETATM 4155	O	WAT	282	-20.162	-6.253	11.128	-0.834000
HETATM 4156	H1	WAT	282	-21.064	-6.174	11.437	0.417000
HETATM 4157	H2	WAT	282	-20.161	-5.813	10.278	0.417000
HETATM 4158	O	WAT	283	-8.588	-9.997	8.063	-0.834000
HETATM 4159	H1	WAT	283	-8.139	-9.941	7.219	0.417000
HETATM 4160	H2	WAT	283	-8.210	-10.769	8.484	0.417000
HETATM 4161	O	WAT	284	-19.051	0.923	12.692	-0.834000
HETATM 4162	H1	WAT	284	-19.564	1.148	11.916	0.417000
HETATM 4163	H2	WAT	284	-18.826	1.767	13.084	0.417000
HETATM 4164	O	WAT	285	-15.063	7.283	-0.728	-0.834000
HETATM 4165	H1	WAT	285	-14.424	7.722	-1.290	0.417000
HETATM 4166	H2	WAT	285	-14.668	6.434	-0.533	0.417000
HETATM 4167	O	WAT	286	1.392	4.123	-13.144	-0.834000
HETATM 4168	H1	WAT	286	1.587	3.574	-12.385	0.417000
HETATM 4169	H2	WAT	286	2.209	4.140	-13.644	0.417000
HETATM 4170	O	WAT	287	11.699	-0.259	10.928	-0.834000
HETATM 4171	H1	WAT	287	12.372	0.341	10.606	0.417000
HETATM 4172	H2	WAT	287	11.748	-0.183	11.881	0.417000
HETATM 4173	O	WAT	288	-1.031	-14.381	4.322	-0.834000
HETATM 4174	H1	WAT	288	-0.684	-13.663	3.793	0.417000
HETATM 4175	H2	WAT	288	-1.977	-14.237	4.330	0.417000
HETATM 4176	O	WAT	289	9.383	8.419	7.771	-0.834000
HETATM 4177	H1	WAT	289	9.580	7.984	8.601	0.417000
HETATM 4178	H2	WAT	289	8.907	9.211	8.024	0.417000
HETATM 4179	O	WAT	290	-18.626	5.800	5.685	-0.834000
HETATM 4180	H1	WAT	290	-17.772	5.419	5.888	0.417000
HETATM 4181	H2	WAT	290	-18.529	6.730	5.892	0.417000
HETATM 4182	O	WAT	291	12.102	7.218	-13.212	-0.834000
HETATM 4183	H1	WAT	291	12.238	7.070	-14.148	0.417000
HETATM 4184	H2	WAT	291	11.780	8.117	-13.156	0.417000
HETATM 4185	O	WAT	292	-19.164	-8.729	11.522	-0.834000
HETATM 4186	H1	WAT	292	-19.588	-7.892	11.329	0.417000
HETATM 4187	H2	WAT	292	-19.697	-9.378	11.063	0.417000
HETATM 4188	O	WAT	293	2.401	3.305	15.440	-0.834000
HETATM 4189	H1	WAT	293	1.840	2.816	16.043	0.417000
HETATM 4190	H2	WAT	293	3.291	3.123	15.741	0.417000
HETATM 4191	O	WAT	294	18.114	4.275	1.750	-0.834000
HETATM 4192	H1	WAT	294	18.417	4.375	2.652	0.417000
HETATM 4193	H2	WAT	294	18.359	5.095	1.322	0.417000
HETATM 4194	O	WAT	295	0.916	7.901	16.995	-0.834000
HETATM 4195	H1	WAT	295	0.205	7.923	17.635	0.417000
HETATM 4196	H2	WAT	295	1.314	7.038	17.110	0.417000
HETATM 4197	O	WAT	296	-5.489	-13.328	-6.602	-0.834000

HETATM 4198	H1	WAT	296	-5.903	-13.074	-7.427	0.417000
HETATM 4199	H2	WAT	296	-6.157	-13.159	-5.938	0.417000
HETATM 4200	O	WAT	297	-16.689	15.181	8.461	-0.834000
HETATM 4201	H1	WAT	297	-16.740	14.324	8.039	0.417000
HETATM 4202	H2	WAT	297	-16.659	15.804	7.735	0.417000
HETATM 4203	O	WAT	298	3.598	14.478	13.171	-0.834000
HETATM 4204	H1	WAT	298	3.381	15.410	13.137	0.417000
HETATM 4205	H2	WAT	298	4.134	14.386	13.959	0.417000
HETATM 4206	O	WAT	299	-8.580	-17.296	5.679	-0.834000
HETATM 4207	H1	WAT	299	-8.148	-18.144	5.571	0.417000
HETATM 4208	H2	WAT	299	-9.477	-17.515	5.929	0.417000
HETATM 4209	O	WAT	300	-0.444	10.839	-5.629	-0.834000
HETATM 4210	H1	WAT	300	-1.189	10.926	-6.224	0.417000
HETATM 4211	H2	WAT	300	-0.811	10.434	-4.843	0.417000
HETATM 4212	O	WAT	301	-4.993	-12.400	9.202	-0.834000
HETATM 4213	H1	WAT	301	-4.826	-11.504	8.908	0.417000
HETATM 4214	H2	WAT	301	-4.349	-12.549	9.894	0.417000
HETATM 4215	O	WAT	302	3.663	11.856	15.339	-0.834000
HETATM 4216	H1	WAT	302	3.259	11.036	15.621	0.417000
HETATM 4217	H2	WAT	302	4.564	11.802	15.659	0.417000
HETATM 4218	O	WAT	303	16.474	-10.186	0.786	-0.834000
HETATM 4219	H1	WAT	303	15.568	-9.889	0.701	0.417000
HETATM 4220	H2	WAT	303	16.856	-9.604	1.443	0.417000
HETATM 4221	O	WAT	304	-17.342	1.721	0.792	-0.834000
HETATM 4222	H1	WAT	304	-18.287	1.566	0.783	0.417000
HETATM 4223	H2	WAT	304	-17.185	2.199	1.606	0.417000
HETATM 4224	O	WAT	305	-14.392	-15.646	9.671	-0.834000
HETATM 4225	H1	WAT	305	-15.216	-16.057	9.932	0.417000
HETATM 4226	H2	WAT	305	-14.586	-15.237	8.828	0.417000
HETATM 4227	O	WAT	306	-5.269	-4.508	13.024	-0.834000
HETATM 4228	H1	WAT	306	-5.481	-4.175	12.152	0.417000
HETATM 4229	H2	WAT	306	-4.716	-5.272	12.861	0.417000
HETATM 4230	O	WAT	307	10.839	-3.693	-15.052	-0.834000
HETATM 4231	H1	WAT	307	10.734	-4.557	-14.654	0.417000
HETATM 4232	H2	WAT	307	10.051	-3.577	-15.582	0.417000
HETATM 4233	O	WAT	308	15.423	6.558	1.970	-0.834000
HETATM 4234	H1	WAT	308	15.233	5.994	2.719	0.417000
HETATM 4235	H2	WAT	308	15.446	5.962	1.221	0.417000
HETATM 4236	O	WAT	309	-6.279	19.089	17.557	-0.834000
HETATM 4237	H1	WAT	309	-6.045	18.493	18.269	0.417000
HETATM 4238	H2	WAT	309	-5.693	18.846	16.840	0.417000
HETATM 4239	O	WAT	310	12.632	-1.768	-15.300	-0.834000
HETATM 4240	H1	WAT	310	12.039	-2.509	-15.181	0.417000
HETATM 4241	H2	WAT	310	12.175	-1.191	-15.912	0.417000
HETATM 4242	O	WAT	311	16.182	-14.128	0.844	-0.834000
HETATM 4243	H1	WAT	311	16.449	-14.916	1.317	0.417000
HETATM 4244	H2	WAT	311	15.648	-13.641	1.471	0.417000
HETATM 4245	O	WAT	312	-3.147	19.166	10.833	-0.834000
HETATM 4246	H1	WAT	312	-2.501	19.868	10.914	0.417000
HETATM 4247	H2	WAT	312	-3.457	19.022	11.726	0.417000
HETATM 4248	O	WAT	313	-18.672	-1.242	3.416	-0.834000
HETATM 4249	H1	WAT	313	-17.849	-0.911	3.057	0.417000
HETATM 4250	H2	WAT	313	-18.594	-1.103	4.360	0.417000
HETATM 4251	O	WAT	314	-8.504	-10.924	-4.432	-0.834000
HETATM 4252	H1	WAT	314	-7.983	-11.703	-4.237	0.417000
HETATM 4253	H2	WAT	314	-8.367	-10.350	-3.679	0.417000
HETATM 4254	O	WAT	315	-6.529	1.727	22.855	-0.834000
HETATM 4255	H1	WAT	315	-6.013	1.731	22.049	0.417000
HETATM 4256	H2	WAT	315	-6.160	2.438	23.379	0.417000
HETATM 4257	O	WAT	316	-2.983	13.611	19.333	-0.834000
HETATM 4258	H1	WAT	316	-3.411	13.558	18.478	0.417000
HETATM 4259	H2	WAT	316	-3.647	13.989	19.910	0.417000
HETATM 4260	O	WAT	317	-4.656	-8.935	12.050	-0.834000
HETATM 4261	H1	WAT	317	-4.692	-9.622	12.716	0.417000
HETATM 4262	H2	WAT	317	-5.543	-8.904	11.691	0.417000
HETATM 4263	O	WAT	318	-16.634	-1.265	1.063	-0.834000
HETATM 4264	H1	WAT	318	-15.999	-1.598	0.429	0.417000
HETATM 4265	H2	WAT	318	-16.834	-0.379	0.759	0.417000
HETATM 4266	O	WAT	319	-13.185	4.492	11.559	-0.834000
HETATM 4267	H1	WAT	319	-13.789	4.013	12.125	0.417000

HETATM 4268	H2	WAT	319	-13.728	5.159	11.139	0.417000
HETATM 4269	O	WAT	320	15.557	-5.800	3.472	-0.834000
HETATM 4270	H1	WAT	320	14.840	-5.653	4.088	0.417000
HETATM 4271	H2	WAT	320	16.258	-5.225	3.778	0.417000
HETATM 4272	O	WAT	321	-4.736	0.980	-15.181	-0.834000
HETATM 4273	H1	WAT	321	-4.991	1.902	-15.140	0.417000
HETATM 4274	H2	WAT	321	-5.424	0.520	-14.699	0.417000
HETATM 4275	O	WAT	322	-23.038	4.749	8.116	-0.834000
HETATM 4276	H1	WAT	322	-23.715	4.782	7.440	0.417000
HETATM 4277	H2	WAT	322	-23.231	5.494	8.684	0.417000
HETATM 4278	O	WAT	323	-10.515	-11.388	6.387	-0.834000
HETATM 4279	H1	WAT	323	-9.931	-10.882	6.952	0.417000
HETATM 4280	H2	WAT	323	-11.328	-11.460	6.886	0.417000
HETATM 4281	O	WAT	324	-19.756	-5.558	13.749	-0.834000
HETATM 4282	H1	WAT	324	-20.558	-5.098	13.998	0.417000
HETATM 4283	H2	WAT	324	-19.904	-5.824	12.842	0.417000
HETATM 4284	O	WAT	325	-11.832	-7.466	-2.860	-0.834000
HETATM 4285	H1	WAT	325	-11.425	-8.250	-2.491	0.417000
HETATM 4286	H2	WAT	325	-11.192	-6.770	-2.711	0.417000
HETATM 4287	O	WAT	326	-19.620	-12.295	8.178	-0.834000
HETATM 4288	H1	WAT	326	-19.190	-11.780	7.495	0.417000
HETATM 4289	H2	WAT	326	-19.477	-13.205	7.918	0.417000
HETATM 4290	O	WAT	327	-9.115	-13.012	4.635	-0.834000
HETATM 4291	H1	WAT	327	-9.637	-12.376	5.125	0.417000
HETATM 4292	H2	WAT	327	-9.628	-13.185	3.845	0.417000
HETATM 4293	O	WAT	328	3.031	9.346	16.290	-0.834000
HETATM 4294	H1	WAT	328	3.774	8.812	16.010	0.417000
HETATM 4295	H2	WAT	328	2.316	8.719	16.407	0.417000
HETATM 4296	O	WAT	329	-0.193	-16.964	4.632	-0.834000
HETATM 4297	H1	WAT	329	0.507	-16.983	5.284	0.417000
HETATM 4298	H2	WAT	329	-0.385	-16.034	4.512	0.417000
HETATM 4299	O	WAT	330	-7.692	-11.971	9.624	-0.834000
HETATM 4300	H1	WAT	330	-6.769	-12.198	9.510	0.417000
HETATM 4301	H2	WAT	330	-8.009	-12.582	10.289	0.417000
HETATM 4302	O	WAT	331	6.884	14.888	10.615	-0.834000
HETATM 4303	H1	WAT	331	6.737	15.064	9.686	0.417000
HETATM 4304	H2	WAT	331	7.781	14.558	10.658	0.417000
HETATM 4305	O	WAT	332	9.748	-19.693	-0.652	-0.834000
HETATM 4306	H1	WAT	332	9.015	-20.305	-0.577	0.417000
HETATM 4307	H2	WAT	332	10.029	-19.545	0.251	0.417000
HETATM 4308	O	WAT	333	-17.748	3.745	-1.477	-0.834000
HETATM 4309	H1	WAT	333	-17.433	3.194	-0.761	0.417000
HETATM 4310	H2	WAT	333	-18.611	3.390	-1.691	0.417000
HETATM 4311	O	WAT	334	-9.997	23.663	15.776	-0.834000
HETATM 4312	H1	WAT	334	-9.588	23.645	14.911	0.417000
HETATM 4313	H2	WAT	334	-9.584	22.943	16.252	0.417000
HETATM 4314	O	WAT	335	-15.746	4.043	20.775	-0.834000
HETATM 4315	H1	WAT	335	-15.636	3.933	19.830	0.417000
HETATM 4316	H2	WAT	335	-16.090	4.931	20.874	0.417000
HETATM 4317	O	WAT	336	-5.124	8.260	21.576	-0.834000
HETATM 4318	H1	WAT	336	-5.018	8.078	20.643	0.417000
HETATM 4319	H2	WAT	336	-6.062	8.417	21.685	0.417000
HETATM 4320	O	WAT	337	14.523	7.224	-10.323	-0.834000
HETATM 4321	H1	WAT	337	15.211	6.726	-10.763	0.417000
HETATM 4322	H2	WAT	337	14.502	8.062	-10.785	0.417000
HETATM 4323	O	WAT	338	-0.137	9.623	-9.546	-0.834000
HETATM 4324	H1	WAT	338	-0.030	9.118	-10.352	0.417000
HETATM 4325	H2	WAT	338	-1.056	9.892	-9.553	0.417000
HETATM 4326	O	WAT	339	-6.335	-9.274	-7.806	-0.834000
HETATM 4327	H1	WAT	339	-5.799	-9.824	-8.377	0.417000
HETATM 4328	H2	WAT	339	-7.131	-9.785	-7.660	0.417000
HETATM 4329	O	WAT	340	11.404	-0.046	-16.932	-0.834000
HETATM 4330	H1	WAT	340	11.364	-0.023	-17.888	0.417000
HETATM 4331	H2	WAT	340	11.974	0.688	-16.699	0.417000
HETATM 4332	O	WAT	341	14.347	1.820	-13.890	-0.834000
HETATM 4333	H1	WAT	341	14.766	2.292	-13.170	0.417000
HETATM 4334	H2	WAT	341	14.193	0.941	-13.543	0.417000
HETATM 4335	O	WAT	342	13.964	6.232	-2.034	-0.834000
HETATM 4336	H1	WAT	342	14.063	5.871	-2.915	0.417000
HETATM 4337	H2	WAT	342	14.292	5.545	-1.455	0.417000

HETATM 4338	O	WAT	343	2.147	5.567	17.105	-0.834000
HETATM 4339	H1	WAT	343	2.411	5.082	16.323	0.417000
HETATM 4340	H2	WAT	343	1.898	4.890	17.734	0.417000
HETATM 4341	O	WAT	344	14.923	5.128	4.078	-0.834000
HETATM 4342	H1	WAT	344	15.803	5.132	4.455	0.417000
HETATM 4343	H2	WAT	344	14.702	4.200	3.997	0.417000
HETATM 4344	O	WAT	345	-3.584	-6.582	12.949	-0.834000
HETATM 4345	H1	WAT	345	-3.838	-7.408	12.539	0.417000
HETATM 4346	H2	WAT	345	-2.675	-6.451	12.679	0.417000
HETATM 4347	O	WAT	346	6.138	11.570	-0.507	-0.834000
HETATM 4348	H1	WAT	346	5.844	10.670	-0.365	0.417000
HETATM 4349	H2	WAT	346	6.561	11.816	0.316	0.417000
HETATM 4350	O	WAT	347	-12.043	12.055	4.190	-0.834000
HETATM 4351	H1	WAT	347	-12.686	11.464	3.797	0.417000
HETATM 4352	H2	WAT	347	-12.516	12.879	4.307	0.417000
HETATM 4353	O	WAT	348	2.494	-19.917	-5.364	-0.834000
HETATM 4354	H1	WAT	348	3.295	-19.537	-5.725	0.417000
HETATM 4355	H2	WAT	348	2.765	-20.772	-5.028	0.417000
HETATM 4356	O	WAT	349	-12.956	16.973	17.986	-0.834000
HETATM 4357	H1	WAT	349	-12.112	17.275	17.651	0.417000
HETATM 4358	H2	WAT	349	-12.804	16.060	18.231	0.417000
HETATM 4359	O	WAT	350	-13.363	8.693	-2.450	-0.834000
HETATM 4360	H1	WAT	350	-12.479	8.843	-2.785	0.417000
HETATM 4361	H2	WAT	350	-13.896	8.556	-3.234	0.417000
HETATM 4362	O	WAT	351	1.868	-9.698	11.017	-0.834000
HETATM 4363	H1	WAT	351	1.480	-10.195	10.296	0.417000
HETATM 4364	H2	WAT	351	1.590	-8.796	10.863	0.417000
HETATM 4365	O	WAT	352	-25.866	-1.911	7.161	-0.834000
HETATM 4366	H1	WAT	352	-25.586	-2.827	7.166	0.417000
HETATM 4367	H2	WAT	352	-25.786	-1.641	6.246	0.417000
HETATM 4368	O	WAT	353	-6.173	-5.138	-10.032	-0.834000
HETATM 4369	H1	WAT	353	-6.126	-5.477	-9.138	0.417000
HETATM 4370	H2	WAT	353	-6.220	-4.187	-9.926	0.417000
HETATM 4371	O	WAT	354	-1.756	-2.061	16.318	-0.834000
HETATM 4372	H1	WAT	354	-1.387	-2.389	15.498	0.417000
HETATM 4373	H2	WAT	354	-1.103	-2.285	16.981	0.417000
HETATM 4374	O	WAT	355	-19.534	-8.229	15.270	-0.834000
HETATM 4375	H1	WAT	355	-18.857	-8.600	15.835	0.417000
HETATM 4376	H2	WAT	355	-20.125	-7.775	15.871	0.417000
HETATM 4377	O	WAT	356	-21.084	4.401	6.198	-0.834000
HETATM 4378	H1	WAT	356	-20.221	4.798	6.313	0.417000
HETATM 4379	H2	WAT	356	-21.576	4.668	6.975	0.417000
HETATM 4380	O	WAT	357	11.109	9.356	-13.047	-0.834000
HETATM 4381	H1	WAT	357	11.521	9.949	-12.419	0.417000
HETATM 4382	H2	WAT	357	10.170	9.448	-12.883	0.417000
HETATM 4383	O	WAT	358	-16.031	-5.658	-0.060	-0.834000
HETATM 4384	H1	WAT	358	-16.751	-6.194	0.273	0.417000
HETATM 4385	H2	WAT	358	-16.461	-4.940	-0.524	0.417000
HETATM 4386	O	WAT	359	-15.966	-14.516	13.735	-0.834000
HETATM 4387	H1	WAT	359	-16.636	-15.047	13.306	0.417000
HETATM 4388	H2	WAT	359	-15.145	-14.789	13.324	0.417000
HETATM 4389	O	WAT	360	-11.471	6.497	-9.984	-0.834000
HETATM 4390	H1	WAT	360	-10.893	5.838	-10.368	0.417000
HETATM 4391	H2	WAT	360	-11.394	7.253	-10.566	0.417000
HETATM 4392	O	WAT	361	-19.046	7.696	11.036	-0.834000
HETATM 4393	H1	WAT	361	-19.337	8.171	10.257	0.417000
HETATM 4394	H2	WAT	361	-18.112	7.895	11.102	0.417000
HETATM 4395	O	WAT	362	-3.584	-14.623	4.636	-0.834000
HETATM 4396	H1	WAT	362	-3.962	-14.479	5.503	0.417000
HETATM 4397	H2	WAT	362	-4.330	-14.576	4.039	0.417000
HETATM 4398	O	WAT	363	5.462	8.464	15.350	-0.834000
HETATM 4399	H1	WAT	363	5.754	7.688	15.828	0.417000
HETATM 4400	H2	WAT	363	5.959	8.443	14.532	0.417000
HETATM 4401	O	WAT	364	-0.665	4.669	-17.361	-0.834000
HETATM 4402	H1	WAT	364	-1.378	5.307	-17.373	0.417000
HETATM 4403	H2	WAT	364	-0.731	4.251	-16.502	0.417000
HETATM 4404	O	WAT	365	19.527	2.974	-8.948	-0.834000
HETATM 4405	H1	WAT	365	20.069	3.623	-9.397	0.417000
HETATM 4406	H2	WAT	365	20.151	2.438	-8.459	0.417000
HETATM 4407	O	WAT	366	9.885	-16.194	-14.263	-0.834000

HETATM 4408	H1	WAT	366	9.775	-16.846	-14.955	0.417000
HETATM 4409	H2	WAT	366	10.623	-16.515	-13.745	0.417000
HETATM 4410	O	WAT	367	10.004	10.900	10.756	-0.834000
HETATM 4411	H1	WAT	367	9.248	10.766	10.184	0.417000
HETATM 4412	H2	WAT	367	10.610	10.197	10.521	0.417000
HETATM 4413	O	WAT	368	2.697	-19.388	4.383	-0.834000
HETATM 4414	H1	WAT	368	3.466	-19.867	4.692	0.417000
HETATM 4415	H2	WAT	368	2.507	-18.764	5.083	0.417000
HETATM 4416	O	WAT	369	-10.051	-10.804	15.279	-0.834000
HETATM 4417	H1	WAT	369	-9.900	-11.332	14.495	0.417000
HETATM 4418	H2	WAT	369	-10.008	-11.430	16.002	0.417000
HETATM 4419	O	WAT	370	-4.540	-2.888	16.844	-0.834000
HETATM 4420	H1	WAT	370	-4.757	-3.290	17.685	0.417000
HETATM 4421	H2	WAT	370	-3.600	-2.716	16.896	0.417000
HETATM 4422	O	WAT	371	-23.577	1.122	16.661	-0.834000
HETATM 4423	H1	WAT	371	-24.437	1.462	16.414	0.417000
HETATM 4424	H2	WAT	371	-22.960	1.611	16.117	0.417000
HETATM 4425	O	WAT	372	-8.886	11.173	-5.181	-0.834000
HETATM 4426	H1	WAT	372	-8.417	10.558	-5.745	0.417000
HETATM 4427	H2	WAT	372	-8.299	11.312	-4.438	0.417000
HETATM 4428	O	WAT	373	1.713	-4.048	-1.230	-0.834000
HETATM 4429	H1	WAT	373	2.126	-4.849	-0.908	0.417000
HETATM 4430	H2	WAT	373	0.821	-4.312	-1.454	0.417000
HETATM 4431	O	WAT	374	9.179	12.571	5.333	-0.834000
HETATM 4432	H1	WAT	374	8.294	12.810	5.057	0.417000
HETATM 4433	H2	WAT	374	9.054	12.105	6.160	0.417000
HETATM 4434	O	WAT	375	22.026	-7.327	-1.708	-0.834000
HETATM 4435	H1	WAT	375	22.037	-8.169	-1.252	0.417000
HETATM 4436	H2	WAT	375	22.613	-7.452	-2.454	0.417000
HETATM 4437	O	WAT	376	-18.661	12.402	16.216	-0.834000
HETATM 4438	H1	WAT	376	-18.586	13.343	16.379	0.417000
HETATM 4439	H2	WAT	376	-19.585	12.268	16.005	0.417000
HETATM 4440	O	WAT	377	11.892	9.099	10.454	-0.834000
HETATM 4441	H1	WAT	377	12.742	8.659	10.442	0.417000
HETATM 4442	H2	WAT	377	11.253	8.387	10.430	0.417000
HETATM 4443	O	WAT	378	15.305	-14.323	4.299	-0.834000
HETATM 4444	H1	WAT	378	15.124	-13.802	3.517	0.417000
HETATM 4445	H2	WAT	378	14.988	-15.199	4.082	0.417000
HETATM 4446	O	WAT	379	-16.853	10.445	17.463	-0.834000
HETATM 4447	H1	WAT	379	-16.173	10.712	16.844	0.417000
HETATM 4448	H2	WAT	379	-17.586	11.032	17.280	0.417000
HETATM 4449	O	WAT	380	-20.199	-11.123	18.899	-0.834000
HETATM 4450	H1	WAT	380	-20.524	-11.430	18.053	0.417000
HETATM 4451	H2	WAT	380	-19.833	-11.905	19.313	0.417000
HETATM 4452	O	WAT	381	-14.843	1.718	-4.788	-0.834000
HETATM 4453	H1	WAT	381	-14.601	2.166	-5.599	0.417000
HETATM 4454	H2	WAT	381	-14.009	1.550	-4.350	0.417000
HETATM 4455	O	WAT	382	-12.808	-3.829	-3.032	-0.834000
HETATM 4456	H1	WAT	382	-13.239	-4.519	-2.526	0.417000
HETATM 4457	H2	WAT	382	-13.179	-3.015	-2.691	0.417000
HETATM 4458	O	WAT	383	-5.998	-16.489	1.173	-0.834000
HETATM 4459	H1	WAT	383	-5.921	-15.785	1.816	0.417000
HETATM 4460	H2	WAT	383	-6.841	-16.900	1.367	0.417000
HETATM 4461	O	WAT	384	14.481	2.026	12.293	-0.834000
HETATM 4462	H1	WAT	384	13.703	2.045	12.851	0.417000
HETATM 4463	H2	WAT	384	14.137	1.923	11.406	0.417000
HETATM 4464	O	WAT	385	-6.429	-8.946	-11.140	-0.834000
HETATM 4465	H1	WAT	385	-6.191	-8.087	-11.488	0.417000
HETATM 4466	H2	WAT	385	-7.216	-8.785	-10.620	0.417000
HETATM 4467	O	WAT	386	-17.416	6.582	-1.588	-0.834000
HETATM 4468	H1	WAT	386	-16.593	6.914	-1.229	0.417000
HETATM 4469	H2	WAT	386	-17.363	5.633	-1.470	0.417000
HETATM 4470	O	WAT	387	13.198	-6.527	9.102	-0.834000
HETATM 4471	H1	WAT	387	13.157	-5.726	9.624	0.417000
HETATM 4472	H2	WAT	387	13.040	-7.231	9.731	0.417000
HETATM 4473	O	WAT	388	-16.621	19.186	18.377	-0.834000
HETATM 4474	H1	WAT	388	-16.596	20.112	18.134	0.417000
HETATM 4475	H2	WAT	388	-15.787	19.032	18.821	0.417000
HETATM 4476	O	WAT	389	-5.717	-14.498	3.217	-0.834000
HETATM 4477	H1	WAT	389	-5.719	-13.558	3.039	0.417000

HETATM 4478	H2	WAT	389	-6.330	-14.606	3.945	0.417000
HETATM 4479	O	WAT	390	2.918	-6.298	-0.291	-0.834000
HETATM 4480	H1	WAT	390	2.865	-7.240	-0.131	0.417000
HETATM 4481	H2	WAT	390	3.828	-6.073	-0.102	0.417000
HETATM 4482	O	WAT	391	-15.072	-14.947	16.337	-0.834000
HETATM 4483	H1	WAT	391	-15.749	-14.645	16.943	0.417000
HETATM 4484	H2	WAT	391	-15.492	-14.923	15.477	0.417000
HETATM 4485	O	WAT	392	-7.222	-13.357	-4.517	-0.834000
HETATM 4486	H1	WAT	392	-7.831	-13.968	-4.933	0.417000
HETATM 4487	H2	WAT	392	-6.658	-13.911	-3.977	0.417000
HETATM 4488	O	WAT	393	-17.715	-20.366	5.713	-0.834000
HETATM 4489	H1	WAT	393	-17.209	-21.124	5.421	0.417000
HETATM 4490	H2	WAT	393	-17.146	-19.928	6.346	0.417000
HETATM 4491	O	WAT	394	14.580	-1.972	10.692	-0.834000
HETATM 4492	H1	WAT	394	15.462	-2.340	10.738	0.417000
HETATM 4493	H2	WAT	394	14.476	-1.712	9.777	0.417000
HETATM 4494	O	WAT	395	-17.218	7.331	-4.157	-0.834000
HETATM 4495	H1	WAT	395	-17.383	7.005	-3.273	0.417000
HETATM 4496	H2	WAT	395	-17.676	6.716	-4.730	0.417000
HETATM 4497	O	WAT	396	-7.221	-15.005	5.192	-0.834000
HETATM 4498	H1	WAT	396	-7.912	-14.355	5.063	0.417000
HETATM 4499	H2	WAT	396	-7.688	-15.825	5.348	0.417000
HETATM 4500	O	WAT	397	-6.074	0.429	-17.579	-0.834000
HETATM 4501	H1	WAT	397	-5.322	0.232	-17.021	0.417000
HETATM 4502	H2	WAT	397	-6.790	0.600	-16.967	0.417000
HETATM 4503	O	WAT	398	17.288	-0.494	10.031	-0.834000
HETATM 4504	H1	WAT	398	18.207	-0.271	10.180	0.417000
HETATM 4505	H2	WAT	398	17.222	-1.416	10.278	0.417000
HETATM 4506	O	WAT	399	-9.026	2.283	22.974	-0.834000
HETATM 4507	H1	WAT	399	-8.101	2.075	22.841	0.417000
HETATM 4508	H2	WAT	399	-9.187	3.034	22.403	0.417000
HETATM 4509	O	WAT	400	-12.193	-20.085	-0.999	-0.834000
HETATM 4510	H1	WAT	400	-13.061	-20.002	-1.394	0.417000
HETATM 4511	H2	WAT	400	-12.356	-20.065	-0.056	0.417000
HETATM 4512	O	WAT	401	-0.994	-5.729	13.150	-0.834000
HETATM 4513	H1	WAT	401	-1.077	-4.806	13.389	0.417000
HETATM 4514	H2	WAT	401	-1.088	-6.200	13.978	0.417000
HETATM 4515	O	WAT	402	-2.052	11.489	20.962	-0.834000
HETATM 4516	H1	WAT	402	-2.183	12.146	20.277	0.417000
HETATM 4517	H2	WAT	402	-2.673	11.731	21.648	0.417000
HETATM 4518	O	WAT	403	-4.910	-15.381	-3.325	-0.834000
HETATM 4519	H1	WAT	403	-5.351	-15.795	-4.067	0.417000
HETATM 4520	H2	WAT	403	-4.021	-15.213	-3.638	0.417000
HETATM 4521	O	WAT	404	-8.756	5.082	-12.969	-0.834000
HETATM 4522	H1	WAT	404	-9.297	4.598	-13.592	0.417000
HETATM 4523	H2	WAT	404	-9.216	4.996	-12.134	0.417000
HETATM 4524	O	WAT	405	17.124	3.259	-9.941	-0.834000
HETATM 4525	H1	WAT	405	16.907	3.782	-9.169	0.417000
HETATM 4526	H2	WAT	405	18.047	3.033	-9.825	0.417000
HETATM 4527	O	WAT	406	11.284	9.961	6.864	-0.834000
HETATM 4528	H1	WAT	406	10.760	9.206	7.131	0.417000
HETATM 4529	H2	WAT	406	10.664	10.690	6.850	0.417000
HETATM 4530	O	WAT	407	-20.410	18.196	16.025	-0.834000
HETATM 4531	H1	WAT	407	-20.502	19.143	16.133	0.417000
HETATM 4532	H2	WAT	407	-21.220	17.924	15.594	0.417000
HETATM 4533	O	WAT	408	-18.786	-12.188	14.458	-0.834000
HETATM 4534	H1	WAT	408	-17.861	-12.269	14.692	0.417000
HETATM 4535	H2	WAT	408	-19.076	-13.088	14.314	0.417000
HETATM 4536	O	WAT	409	-14.241	3.028	-6.828	-0.834000
HETATM 4537	H1	WAT	409	-13.439	3.532	-6.686	0.417000
HETATM 4538	H2	WAT	409	-14.921	3.690	-6.954	0.417000
HETATM 4539	O	WAT	410	-5.931	-6.549	-12.015	-0.834000
HETATM 4540	H1	WAT	410	-5.927	-5.971	-11.252	0.417000
HETATM 4541	H2	WAT	410	-6.521	-6.121	-12.636	0.417000
HETATM 4542	O	WAT	411	11.638	-0.679	13.882	-0.834000
HETATM 4543	H1	WAT	411	12.457	-1.150	13.730	0.417000
HETATM 4544	H2	WAT	411	10.954	-1.306	13.644	0.417000
HETATM 4545	O	WAT	412	-20.177	-11.238	10.551	-0.834000
HETATM 4546	H1	WAT	412	-20.230	-12.031	11.085	0.417000
HETATM 4547	H2	WAT	412	-19.955	-11.554	9.675	0.417000

HETATM 4548	O	WAT	413	-11.162	-9.916	-2.178	-0.834000
HETATM 4549	H1	WAT	413	-10.959	-10.645	-1.592	0.417000
HETATM 4550	H2	WAT	413	-11.237	-10.319	-3.044	0.417000
HETATM 4551	O	WAT	414	-0.690	15.285	19.647	-0.834000
HETATM 4552	H1	WAT	414	-1.433	14.683	19.678	0.417000
HETATM 4553	H2	WAT	414	-0.721	15.747	20.485	0.417000
HETATM 4554	O	WAT	415	-9.253	25.862	16.796	-0.834000
HETATM 4555	H1	WAT	415	-9.421	26.460	16.068	0.417000
HETATM 4556	H2	WAT	415	-9.580	25.015	16.492	0.417000
HETATM 4557	O	WAT	416	-6.252	13.343	21.522	-0.834000
HETATM 4558	H1	WAT	416	-6.040	14.255	21.324	0.417000
HETATM 4559	H2	WAT	416	-7.173	13.252	21.278	0.417000
HETATM 4560	O	WAT	417	11.626	9.905	-2.197	-0.834000
HETATM 4561	H1	WAT	417	11.767	9.232	-1.531	0.417000
HETATM 4562	H2	WAT	417	12.376	10.492	-2.106	0.417000
HETATM 4563	O	WAT	418	-14.794	-9.790	22.678	-0.834000
HETATM 4564	H1	WAT	418	-15.517	-10.325	23.004	0.417000
HETATM 4565	H2	WAT	418	-14.809	-9.007	23.227	0.417000
HETATM 4566	O	WAT	419	-17.004	-16.384	10.102	-0.834000
HETATM 4567	H1	WAT	419	-17.252	-16.206	11.009	0.417000
HETATM 4568	H2	WAT	419	-17.796	-16.744	9.704	0.417000
HETATM 4569	O	WAT	420	17.024	5.044	4.953	-0.834000
HETATM 4570	H1	WAT	420	17.592	4.293	4.780	0.417000
HETATM 4571	H2	WAT	420	17.599	5.804	4.867	0.417000
HETATM 4572	O	WAT	421	7.889	-21.500	-0.356	-0.834000
HETATM 4573	H1	WAT	421	7.766	-22.231	-0.962	0.417000
HETATM 4574	H2	WAT	421	7.504	-21.804	0.467	0.417000
HETATM 4575	O	WAT	422	11.222	5.838	15.305	-0.834000
HETATM 4576	H1	WAT	422	10.834	5.123	14.801	0.417000
HETATM 4577	H2	WAT	422	11.088	6.614	14.760	0.417000
HETATM 4578	O	WAT	423	-1.081	-14.845	-16.996	-0.834000
HETATM 4579	H1	WAT	423	-0.833	-15.590	-17.544	0.417000
HETATM 4580	H2	WAT	423	-1.294	-14.150	-17.619	0.417000
HETATM 4581	O	WAT	424	5.191	15.105	-5.310	-0.834000
HETATM 4582	H1	WAT	424	5.672	15.460	-4.562	0.417000
HETATM 4583	H2	WAT	424	5.479	15.635	-6.053	0.417000
HETATM 4584	O	WAT	425	-11.421	-7.711	-5.350	-0.834000
HETATM 4585	H1	WAT	425	-11.619	-7.416	-4.461	0.417000
HETATM 4586	H2	WAT	425	-11.498	-8.664	-5.309	0.417000
HETATM 4587	O	WAT	426	4.232	10.454	1.408	-0.834000
HETATM 4588	H1	WAT	426	4.424	10.400	2.344	0.417000
HETATM 4589	H2	WAT	426	4.206	11.393	1.222	0.417000
HETATM 4590	O	WAT	427	-17.649	-16.084	12.674	-0.834000
HETATM 4591	H1	WAT	427	-17.524	-16.976	12.999	0.417000
HETATM 4592	H2	WAT	427	-18.457	-15.788	13.094	0.417000
HETATM 4593	O	WAT	428	12.952	4.882	-12.670	-0.834000
HETATM 4594	H1	WAT	428	12.721	5.811	-12.698	0.417000
HETATM 4595	H2	WAT	428	12.313	4.459	-13.243	0.417000
HETATM 4596	O	WAT	429	-8.508	8.326	-3.748	-0.834000
HETATM 4597	H1	WAT	429	-8.155	8.204	-4.630	0.417000
HETATM 4598	H2	WAT	429	-7.988	9.039	-3.378	0.417000
HETATM 4599	O	WAT	430	-14.954	8.250	-4.678	-0.834000
HETATM 4600	H1	WAT	430	-15.801	7.856	-4.470	0.417000
HETATM 4601	H2	WAT	430	-15.140	8.849	-5.401	0.417000
HETATM 4602	O	WAT	431	-16.524	-12.481	15.014	-0.834000
HETATM 4603	H1	WAT	431	-16.308	-13.269	14.515	0.417000
HETATM 4604	H2	WAT	431	-16.636	-12.790	15.913	0.417000
HETATM 4605	O	WAT	432	-7.313	12.889	-0.150	-0.834000
HETATM 4606	H1	WAT	432	-7.470	13.139	-1.060	0.417000
HETATM 4607	H2	WAT	432	-6.371	13.009	-0.027	0.417000
HETATM 4608	O	WAT	433	-15.846	8.911	1.464	-0.834000
HETATM 4609	H1	WAT	433	-16.251	9.600	0.938	0.417000
HETATM 4610	H2	WAT	433	-15.592	8.242	0.828	0.417000
HETATM 4611	O	WAT	434	-2.641	-11.803	11.622	-0.834000
HETATM 4612	H1	WAT	434	-1.780	-11.804	11.204	0.417000
HETATM 4613	H2	WAT	434	-2.998	-10.936	11.434	0.417000
HETATM 4614	O	WAT	435	-11.547	11.987	-0.248	-0.834000
HETATM 4615	H1	WAT	435	-10.989	11.259	0.026	0.417000
HETATM 4616	H2	WAT	435	-12.400	11.586	-0.414	0.417000
HETATM 4617	O	WAT	436	-6.696	-11.348	16.477	-0.834000

HETATM 4618	H1	WAT	436	-6.751	-10.584	15.902	0.417000
HETATM 4619	H2	WAT	436	-6.064	-11.097	17.150	0.417000
HETATM 4620	O	WAT	437	5.277	13.879	-1.531	-0.834000
HETATM 4621	H1	WAT	437	5.724	13.066	-1.296	0.417000
HETATM 4622	H2	WAT	437	5.939	14.389	-1.999	0.417000
HETATM 4623	O	WAT	438	-17.750	7.887	3.633	-0.834000
HETATM 4624	H1	WAT	438	-17.031	8.332	3.184	0.417000
HETATM 4625	H2	WAT	438	-18.454	7.856	2.985	0.417000
HETATM 4626	O	WAT	439	-4.051	-6.621	15.800	-0.834000
HETATM 4627	H1	WAT	439	-4.302	-6.525	14.881	0.417000
HETATM 4628	H2	WAT	439	-3.108	-6.458	15.809	0.417000
HETATM 4629	O	WAT	440	-0.062	-2.706	18.559	-0.834000
HETATM 4630	H1	WAT	440	-0.640	-3.423	18.822	0.417000
HETATM 4631	H2	WAT	440	0.122	-2.236	19.372	0.417000
HETATM 4632	O	WAT	441	-18.743	-16.275	0.690	-0.834000
HETATM 4633	H1	WAT	441	-18.804	-16.578	1.596	0.417000
HETATM 4634	H2	WAT	441	-19.035	-17.022	0.168	0.417000
HETATM 4635	O	WAT	442	-22.125	-11.833	7.458	-0.834000
HETATM 4636	H1	WAT	442	-21.200	-11.831	7.706	0.417000
HETATM 4637	H2	WAT	442	-22.390	-12.750	7.532	0.417000
HETATM 4638	O	WAT	443	11.025	-2.467	-18.753	-0.834000
HETATM 4639	H1	WAT	443	10.432	-2.341	-18.012	0.417000
HETATM 4640	H2	WAT	443	10.554	-3.061	-19.338	0.417000
HETATM 4641	O	WAT	444	18.776	6.349	0.709	-0.834000
HETATM 4642	H1	WAT	444	18.307	7.043	1.172	0.417000
HETATM 4643	H2	WAT	444	19.701	6.551	0.849	0.417000
HETATM 4644	O	WAT	445	-11.601	-3.870	-5.351	-0.834000
HETATM 4645	H1	WAT	445	-11.229	-4.752	-5.375	0.417000
HETATM 4646	H2	WAT	445	-11.939	-3.777	-4.460	0.417000
HETATM 4647	O	WAT	446	14.265	-11.873	-14.967	-0.834000
HETATM 4648	H1	WAT	446	13.369	-12.183	-14.833	0.417000
HETATM 4649	H2	WAT	446	14.816	-12.582	-14.636	0.417000
HETATM 4650	O	WAT	447	6.512	15.674	8.246	-0.834000
HETATM 4651	H1	WAT	447	7.094	16.433	8.276	0.417000
HETATM 4652	H2	WAT	447	5.634	16.041	8.346	0.417000
HETATM 4653	O	WAT	448	28.592	-4.600	-19.297	-0.834000
HETATM 4654	H1	WAT	448	28.215	-4.568	-18.418	0.417000
HETATM 4655	H2	WAT	448	28.049	-5.232	-19.768	0.417000
HETATM 4656	O	WAT	449	-34.669	-7.285	-3.715	-0.834000
HETATM 4657	H1	WAT	449	-35.206	-6.605	-4.122	0.417000
HETATM 4658	H2	WAT	449	-33.883	-6.825	-3.421	0.417000
HETATM 4659	O	WAT	450	-3.984	27.677	-18.595	-0.834000
HETATM 4660	H1	WAT	450	-3.912	28.019	-17.704	0.417000
HETATM 4661	H2	WAT	450	-4.051	26.729	-18.482	0.417000
HETATM 4662	O	WAT	451	13.284	1.876	25.650	-0.834000
HETATM 4663	H1	WAT	451	12.614	1.704	24.989	0.417000
HETATM 4664	H2	WAT	451	13.308	1.079	26.180	0.417000
HETATM 4665	O	WAT	452	18.808	-2.429	14.249	-0.834000
HETATM 4666	H1	WAT	452	19.222	-2.449	15.112	0.417000
HETATM 4667	H2	WAT	452	19.540	-2.439	13.633	0.417000
HETATM 4668	O	WAT	453	-1.343	-31.673	4.963	-0.834000
HETATM 4669	H1	WAT	453	-1.380	-31.707	5.919	0.417000
HETATM 4670	H2	WAT	453	-0.748	-32.382	4.722	0.417000
HETATM 4671	O	WAT	454	-5.808	-19.806	-15.263	-0.834000
HETATM 4672	H1	WAT	454	-6.168	-20.270	-16.019	0.417000
HETATM 4673	H2	WAT	454	-6.226	-18.945	-15.288	0.417000
HETATM 4674	O	WAT	455	19.912	19.863	11.579	-0.834000
HETATM 4675	H1	WAT	455	19.915	20.460	10.831	0.417000
HETATM 4676	H2	WAT	455	19.438	20.336	12.262	0.417000
HETATM 4677	O	WAT	456	1.543	16.189	-30.398	-0.834000
HETATM 4678	H1	WAT	456	0.971	15.901	-31.109	0.417000
HETATM 4679	H2	WAT	456	0.950	16.365	-29.668	0.417000
HETATM 4680	O	WAT	457	-16.336	0.001	21.784	-0.834000
HETATM 4681	H1	WAT	457	-16.667	-0.617	22.436	0.417000
HETATM 4682	H2	WAT	457	-16.866	0.788	21.908	0.417000
HETATM 4683	O	WAT	458	17.561	1.285	-25.876	-0.834000
HETATM 4684	H1	WAT	458	16.656	1.410	-26.163	0.417000
HETATM 4685	H2	WAT	458	18.068	1.255	-26.687	0.417000
HETATM 4686	O	WAT	459	24.219	8.273	17.795	-0.834000
HETATM 4687	H1	WAT	459	24.767	8.707	18.449	0.417000

HETATM 4688	H2	WAT	459	24.748	7.534	17.493	0.417000
HETATM 4689	O	WAT	460	-22.174	6.254	-15.412	-0.834000
HETATM 4690	H1	WAT	460	-21.685	7.071	-15.315	0.417000
HETATM 4691	H2	WAT	460	-21.719	5.633	-14.843	0.417000
HETATM 4692	O	WAT	461	20.387	-7.997	16.882	-0.834000
HETATM 4693	H1	WAT	461	21.124	-8.569	17.094	0.417000
HETATM 4694	H2	WAT	461	20.469	-7.265	17.493	0.417000
HETATM 4695	O	WAT	462	21.419	-19.254	-13.223	-0.834000
HETATM 4696	H1	WAT	462	21.274	-18.897	-14.100	0.417000
HETATM 4697	H2	WAT	462	20.614	-19.051	-12.747	0.417000
HETATM 4698	O	WAT	463	4.434	21.865	7.469	-0.834000
HETATM 4699	H1	WAT	463	4.356	20.938	7.246	0.417000
HETATM 4700	H2	WAT	463	3.740	22.017	8.110	0.417000
HETATM 4701	O	WAT	464	22.177	0.365	-15.363	-0.834000
HETATM 4702	H1	WAT	464	21.507	0.674	-14.753	0.417000
HETATM 4703	H2	WAT	464	22.791	-0.124	-14.817	0.417000
HETATM 4704	O	WAT	465	-19.136	28.940	4.329	-0.834000
HETATM 4705	H1	WAT	465	-18.460	28.422	3.892	0.417000
HETATM 4706	H2	WAT	465	-18.766	29.821	4.380	0.417000
HETATM 4707	O	WAT	466	-16.149	4.662	-9.835	-0.834000
HETATM 4708	H1	WAT	466	-16.121	4.836	-8.894	0.417000
HETATM 4709	H2	WAT	466	-15.409	5.154	-10.191	0.417000
HETATM 4710	O	WAT	467	-14.390	0.964	-8.645	-0.834000
HETATM 4711	H1	WAT	467	-14.338	1.622	-7.953	0.417000
HETATM 4712	H2	WAT	467	-15.203	1.167	-9.108	0.417000
HETATM 4713	O	WAT	468	21.454	3.963	-27.375	-0.834000
HETATM 4714	H1	WAT	468	21.325	3.079	-27.030	0.417000
HETATM 4715	H2	WAT	468	20.654	4.146	-27.868	0.417000
HETATM 4716	O	WAT	469	-28.156	15.760	3.043	-0.834000
HETATM 4717	H1	WAT	469	-28.254	14.814	3.151	0.417000
HETATM 4718	H2	WAT	469	-27.291	15.955	3.402	0.417000
HETATM 4719	O	WAT	470	10.182	-10.401	12.629	-0.834000
HETATM 4720	H1	WAT	470	9.415	-10.424	13.201	0.417000
HETATM 4721	H2	WAT	470	9.820	-10.320	11.746	0.417000
HETATM 4722	O	WAT	471	-15.658	-26.144	15.783	-0.834000
HETATM 4723	H1	WAT	471	-15.976	-25.302	15.458	0.417000
HETATM 4724	H2	WAT	471	-16.142	-26.795	15.276	0.417000
HETATM 4725	O	WAT	472	16.912	0.270	18.274	-0.834000
HETATM 4726	H1	WAT	472	16.177	0.658	18.748	0.417000
HETATM 4727	H2	WAT	472	17.188	0.953	17.662	0.417000
HETATM 4728	O	WAT	473	-14.459	-0.321	-20.805	-0.834000
HETATM 4729	H1	WAT	473	-14.166	-0.121	-19.916	0.417000
HETATM 4730	H2	WAT	473	-14.150	0.416	-21.331	0.417000
HETATM 4731	O	WAT	474	10.806	15.122	-23.863	-0.834000
HETATM 4732	H1	WAT	474	11.469	15.763	-24.120	0.417000
HETATM 4733	H2	WAT	474	11.302	14.323	-23.685	0.417000
HETATM 4734	O	WAT	475	13.904	-4.834	22.292	-0.834000
HETATM 4735	H1	WAT	475	13.058	-5.185	22.569	0.417000
HETATM 4736	H2	WAT	475	13.899	-3.927	22.599	0.417000
HETATM 4737	O	WAT	476	20.992	-19.273	3.860	-0.834000
HETATM 4738	H1	WAT	476	20.833	-20.201	3.689	0.417000
HETATM 4739	H2	WAT	476	21.641	-19.016	3.205	0.417000
HETATM 4740	O	WAT	477	16.267	11.882	14.811	-0.834000
HETATM 4741	H1	WAT	477	16.067	12.818	14.809	0.417000
HETATM 4742	H2	WAT	477	15.411	11.455	14.860	0.417000
HETATM 4743	O	WAT	478	-10.426	17.968	-9.345	-0.834000
HETATM 4744	H1	WAT	478	-11.370	17.830	-9.420	0.417000
HETATM 4745	H2	WAT	478	-10.111	17.209	-8.853	0.417000
HETATM 4746	O	WAT	479	-31.402	-10.002	-7.113	-0.834000
HETATM 4747	H1	WAT	479	-32.219	-10.339	-7.480	0.417000
HETATM 4748	H2	WAT	479	-30.723	-10.570	-7.479	0.417000
HETATM 4749	O	WAT	480	23.112	-2.550	20.151	-0.834000
HETATM 4750	H1	WAT	480	22.194	-2.470	20.407	0.417000
HETATM 4751	H2	WAT	480	23.577	-1.953	20.736	0.417000
HETATM 4752	O	WAT	481	-3.950	23.152	11.941	-0.834000
HETATM 4753	H1	WAT	481	-4.513	23.044	11.175	0.417000
HETATM 4754	H2	WAT	481	-4.250	23.966	12.346	0.417000
HETATM 4755	O	WAT	482	-18.326	19.895	6.675	-0.834000
HETATM 4756	H1	WAT	482	-18.078	19.578	5.806	0.417000
HETATM 4757	H2	WAT	482	-18.877	19.201	7.035	0.417000

HETATM 4758	O	WAT	483	5.301	-26.372	-15.502	-0.834000
HETATM 4759	H1	WAT	483	5.045	-26.309	-14.582	0.417000
HETATM 4760	H2	WAT	483	4.903	-25.605	-15.914	0.417000
HETATM 4761	O	WAT	484	13.726	-20.932	16.681	-0.834000
HETATM 4762	H1	WAT	484	13.412	-20.031	16.763	0.417000
HETATM 4763	H2	WAT	484	13.519	-21.177	15.779	0.417000
HETATM 4764	O	WAT	485	32.938	-10.973	0.823	-0.834000
HETATM 4765	H1	WAT	485	32.016	-10.759	0.967	0.417000
HETATM 4766	H2	WAT	485	33.347	-10.136	0.605	0.417000
HETATM 4767	O	WAT	486	-7.053	-20.742	-12.925	-0.834000
HETATM 4768	H1	WAT	486	-7.865	-21.238	-13.023	0.417000
HETATM 4769	H2	WAT	486	-6.771	-20.563	-13.822	0.417000
HETATM 4770	O	WAT	487	-13.647	28.365	-6.344	-0.834000
HETATM 4771	H1	WAT	487	-12.778	28.684	-6.588	0.417000
HETATM 4772	H2	WAT	487	-13.679	28.465	-5.392	0.417000
HETATM 4773	O	WAT	488	2.189	-25.066	-12.523	-0.834000
HETATM 4774	H1	WAT	488	1.642	-25.226	-13.293	0.417000
HETATM 4775	H2	WAT	488	3.025	-25.482	-12.733	0.417000
HETATM 4776	O	WAT	489	-15.405	17.258	1.234	-0.834000
HETATM 4777	H1	WAT	489	-14.683	17.575	0.692	0.417000
HETATM 4778	H2	WAT	489	-16.189	17.430	0.713	0.417000
HETATM 4779	O	WAT	490	17.168	23.313	-9.588	-0.834000
HETATM 4780	H1	WAT	490	16.853	22.667	-10.220	0.417000
HETATM 4781	H2	WAT	490	17.075	22.881	-8.739	0.417000
HETATM 4782	O	WAT	491	-7.773	4.667	-25.512	-0.834000
HETATM 4783	H1	WAT	491	-7.077	4.899	-26.127	0.417000
HETATM 4784	H2	WAT	491	-7.325	4.190	-24.813	0.417000
HETATM 4785	O	WAT	492	27.717	6.587	-5.939	-0.834000
HETATM 4786	H1	WAT	492	27.022	6.092	-6.373	0.417000
HETATM 4787	H2	WAT	492	27.496	6.543	-5.009	0.417000
HETATM 4788	O	WAT	493	-5.823	23.070	-15.577	-0.834000
HETATM 4789	H1	WAT	493	-5.218	23.534	-14.999	0.417000
HETATM 4790	H2	WAT	493	-6.107	23.733	-16.207	0.417000
HETATM 4791	O	WAT	494	-14.895	11.051	27.800	-0.834000
HETATM 4792	H1	WAT	494	-14.469	11.425	27.029	0.417000
HETATM 4793	H2	WAT	494	-14.172	10.786	28.369	0.417000
HETATM 4794	O	WAT	495	-6.940	-21.148	-17.386	-0.834000
HETATM 4795	H1	WAT	495	-6.592	-22.035	-17.482	0.417000
HETATM 4796	H2	WAT	495	-7.888	-21.268	-17.331	0.417000
HETATM 4797	O	WAT	496	19.621	13.444	6.934	-0.834000
HETATM 4798	H1	WAT	496	19.721	14.214	7.494	0.417000
HETATM 4799	H2	WAT	496	19.609	12.705	7.542	0.417000
HETATM 4800	O	WAT	497	-14.706	10.762	-29.636	-0.834000
HETATM 4801	H1	WAT	497	-14.641	10.254	-28.827	0.417000
HETATM 4802	H2	WAT	497	-15.565	11.182	-29.586	0.417000
HETATM 4803	O	WAT	498	31.914	2.192	-0.666	-0.834000
HETATM 4804	H1	WAT	498	32.670	2.008	-1.224	0.417000
HETATM 4805	H2	WAT	498	31.750	1.370	-0.205	0.417000
HETATM 4806	O	WAT	499	29.718	4.570	15.669	-0.834000
HETATM 4807	H1	WAT	499	29.278	4.134	16.399	0.417000
HETATM 4808	H2	WAT	499	29.377	5.464	15.682	0.417000
HETATM 4809	O	WAT	500	10.197	11.552	26.843	-0.834000
HETATM 4810	H1	WAT	500	10.652	12.123	27.463	0.417000
HETATM 4811	H2	WAT	500	9.890	12.142	26.155	0.417000
HETATM 4812	O	WAT	501	-11.514	-4.190	-14.903	-0.834000
HETATM 4813	H1	WAT	501	-11.024	-5.002	-15.031	0.417000
HETATM 4814	H2	WAT	501	-11.984	-4.321	-14.080	0.417000
HETATM 4815	O	WAT	502	-21.406	-10.475	1.483	-0.834000
HETATM 4816	H1	WAT	502	-21.368	-10.191	2.397	0.417000
HETATM 4817	H2	WAT	502	-21.621	-9.681	0.994	0.417000
HETATM 4818	O	WAT	503	25.002	10.302	-9.725	-0.834000
HETATM 4819	H1	WAT	503	25.289	9.393	-9.639	0.417000
HETATM 4820	H2	WAT	503	25.808	10.794	-9.881	0.417000
HETATM 4821	O	WAT	504	20.401	3.479	25.366	-0.834000
HETATM 4822	H1	WAT	504	21.141	4.004	25.671	0.417000
HETATM 4823	H2	WAT	504	19.971	3.182	26.168	0.417000
HETATM 4824	O	WAT	505	30.229	13.966	0.807	-0.834000
HETATM 4825	H1	WAT	505	29.484	13.511	1.200	0.417000
HETATM 4826	H2	WAT	505	30.226	13.686	-0.108	0.417000
HETATM 4827	O	WAT	506	-25.734	-15.342	3.021	-0.834000

HETATM	4828	H1	WAT	506	-25.906	-15.972	2.321	0.417000
HETATM	4829	H2	WAT	506	-26.242	-14.568	2.778	0.417000
HETATM	4830	O	WAT	507	-30.044	-7.883	-6.178	-0.834000
HETATM	4831	H1	WAT	507	-29.669	-7.455	-6.947	0.417000
HETATM	4832	H2	WAT	507	-30.509	-8.642	-6.530	0.417000
HETATM	4833	O	WAT	508	-19.685	-29.144	-6.571	-0.834000
HETATM	4834	H1	WAT	508	-19.071	-28.619	-6.057	0.417000
HETATM	4835	H2	WAT	508	-19.926	-29.867	-5.992	0.417000
HETATM	4836	O	WAT	509	12.306	-6.485	-18.820	-0.834000
HETATM	4837	H1	WAT	509	12.365	-6.162	-19.720	0.417000
HETATM	4838	H2	WAT	509	12.761	-7.326	-18.837	0.417000
HETATM	4839	O	WAT	510	5.281	17.343	-15.967	-0.834000
HETATM	4840	H1	WAT	510	5.206	17.888	-16.750	0.417000
HETATM	4841	H2	WAT	510	4.523	16.760	-16.008	0.417000
HETATM	4842	O	WAT	511	-6.183	23.847	14.996	-0.834000
HETATM	4843	H1	WAT	511	-6.333	24.493	15.686	0.417000
HETATM	4844	H2	WAT	511	-5.844	23.079	15.456	0.417000
HETATM	4845	O	WAT	512	-29.176	0.898	-0.343	-0.834000
HETATM	4846	H1	WAT	512	-30.013	0.633	0.038	0.417000
HETATM	4847	H2	WAT	512	-28.524	0.638	0.308	0.417000
HETATM	4848	O	WAT	513	-14.242	-7.062	-13.006	-0.834000
HETATM	4849	H1	WAT	513	-14.927	-7.274	-13.640	0.417000
HETATM	4850	H2	WAT	513	-13.466	-7.521	-13.330	0.417000
HETATM	4851	O	WAT	514	-21.232	6.387	19.929	-0.834000
HETATM	4852	H1	WAT	514	-20.376	6.738	19.682	0.417000
HETATM	4853	H2	WAT	514	-21.356	6.672	20.834	0.417000
HETATM	4854	O	WAT	515	-0.581	9.264	-30.698	-0.834000
HETATM	4855	H1	WAT	515	-1.200	9.597	-30.049	0.417000
HETATM	4856	H2	WAT	515	-0.548	9.945	-31.369	0.417000
HETATM	4857	O	WAT	516	-26.489	10.802	9.894	-0.834000
HETATM	4858	H1	WAT	516	-25.993	11.620	9.872	0.417000
HETATM	4859	H2	WAT	516	-26.966	10.787	9.064	0.417000
HETATM	4860	O	WAT	517	-31.851	-2.088	4.939	-0.834000
HETATM	4861	H1	WAT	517	-31.588	-1.298	4.467	0.417000
HETATM	4862	H2	WAT	517	-31.068	-2.638	4.941	0.417000
HETATM	4863	O	WAT	518	-17.104	-4.606	20.065	-0.834000
HETATM	4864	H1	WAT	518	-17.464	-5.456	19.811	0.417000
HETATM	4865	H2	WAT	518	-17.699	-3.967	19.673	0.417000
HETATM	4866	O	WAT	519	9.664	-19.665	4.554	-0.834000
HETATM	4867	H1	WAT	519	9.200	-20.340	5.049	0.417000
HETATM	4868	H2	WAT	519	10.334	-19.343	5.157	0.417000
HETATM	4869	O	WAT	520	-1.294	6.403	29.912	-0.834000
HETATM	4870	H1	WAT	520	-2.161	6.142	30.221	0.417000
HETATM	4871	H2	WAT	520	-1.275	6.134	28.994	0.417000
HETATM	4872	O	WAT	521	-25.418	13.337	9.636	-0.834000
HETATM	4873	H1	WAT	521	-24.525	13.419	9.300	0.417000
HETATM	4874	H2	WAT	521	-25.962	13.773	8.979	0.417000
HETATM	4875	O	WAT	522	-18.154	-16.877	20.770	-0.834000
HETATM	4876	H1	WAT	522	-18.829	-16.242	21.012	0.417000
HETATM	4877	H2	WAT	522	-17.523	-16.372	20.258	0.417000
HETATM	4878	O	WAT	523	4.316	-13.814	16.477	-0.834000
HETATM	4879	H1	WAT	523	3.800	-13.172	15.990	0.417000
HETATM	4880	H2	WAT	523	4.164	-13.596	17.397	0.417000
HETATM	4881	O	WAT	524	3.482	9.311	30.802	-0.834000
HETATM	4882	H1	WAT	524	3.664	10.215	31.059	0.417000
HETATM	4883	H2	WAT	524	2.643	9.108	31.216	0.417000
HETATM	4884	O	WAT	525	8.734	31.085	1.782	-0.834000
HETATM	4885	H1	WAT	525	7.979	30.585	2.092	0.417000
HETATM	4886	H2	WAT	525	9.069	31.521	2.566	0.417000
HETATM	4887	O	WAT	526	18.310	1.388	-15.295	-0.834000
HETATM	4888	H1	WAT	526	18.466	2.083	-15.934	0.417000
HETATM	4889	H2	WAT	526	19.051	1.446	-14.692	0.417000
HETATM	4890	O	WAT	527	7.272	-24.797	10.848	-0.834000
HETATM	4891	H1	WAT	527	6.804	-24.045	11.213	0.417000
HETATM	4892	H2	WAT	527	6.840	-25.558	11.235	0.417000
HETATM	4893	O	WAT	528	-16.030	-4.673	-21.063	-0.834000
HETATM	4894	H1	WAT	528	-15.583	-5.511	-21.181	0.417000
HETATM	4895	H2	WAT	528	-15.440	-4.030	-21.456	0.417000
HETATM	4896	O	WAT	529	-3.378	-29.250	-19.224	-0.834000
HETATM	4897	H1	WAT	529	-2.896	-29.579	-18.465	0.417000

HETATM 4898	H2	WAT	529	-3.379	-28.299	-19.112	0.417000
HETATM 4899	O	WAT	530	-3.901	-7.419	22.924	-0.834000
HETATM 4900	H1	WAT	530	-2.986	-7.591	22.704	0.417000
HETATM 4901	H2	WAT	530	-4.113	-8.073	23.591	0.417000
HETATM 4902	O	WAT	531	12.291	-0.986	-29.661	-0.834000
HETATM 4903	H1	WAT	531	13.063	-0.603	-29.246	0.417000
HETATM 4904	H2	WAT	531	12.634	-1.448	-30.426	0.417000
HETATM 4905	O	WAT	532	-18.257	-17.555	-18.777	-0.834000
HETATM 4906	H1	WAT	532	-18.296	-18.378	-19.264	0.417000
HETATM 4907	H2	WAT	532	-17.325	-17.421	-18.607	0.417000
HETATM 4908	O	WAT	533	-23.925	25.206	0.245	-0.834000
HETATM 4909	H1	WAT	533	-23.191	25.804	0.102	0.417000
HETATM 4910	H2	WAT	533	-24.700	25.767	0.211	0.417000
HETATM 4911	O	WAT	534	-30.273	-1.140	9.018	-0.834000
HETATM 4912	H1	WAT	534	-31.189	-0.916	8.853	0.417000
HETATM 4913	H2	WAT	534	-30.312	-1.862	9.645	0.417000
HETATM 4914	O	WAT	535	-6.891	-31.450	12.180	-0.834000
HETATM 4915	H1	WAT	535	-7.429	-30.828	11.691	0.417000
HETATM 4916	H2	WAT	535	-6.250	-30.905	12.637	0.417000
HETATM 4917	O	WAT	536	27.266	11.823	-9.913	-0.834000
HETATM 4918	H1	WAT	536	26.742	12.587	-10.155	0.417000
HETATM 4919	H2	WAT	536	27.802	11.646	-10.686	0.417000
HETATM 4920	O	WAT	537	20.244	-12.506	24.909	-0.834000
HETATM 4921	H1	WAT	537	20.570	-12.129	25.727	0.417000
HETATM 4922	H2	WAT	537	21.022	-12.597	24.360	0.417000
HETATM 4923	O	WAT	538	6.004	13.388	-18.637	-0.834000
HETATM 4924	H1	WAT	538	6.193	12.692	-19.267	0.417000
HETATM 4925	H2	WAT	538	6.361	14.179	-19.039	0.417000
HETATM 4926	O	WAT	539	6.527	28.102	10.646	-0.834000
HETATM 4927	H1	WAT	539	6.689	27.174	10.820	0.417000
HETATM 4928	H2	WAT	539	5.990	28.106	9.854	0.417000
HETATM 4929	O	WAT	540	-8.279	-17.179	-28.748	-0.834000
HETATM 4930	H1	WAT	540	-8.210	-17.962	-29.294	0.417000
HETATM 4931	H2	WAT	540	-9.162	-17.222	-28.379	0.417000
HETATM 4932	O	WAT	541	-18.800	8.640	6.050	-0.834000
HETATM 4933	H1	WAT	541	-19.692	8.987	6.074	0.417000
HETATM 4934	H2	WAT	541	-18.608	8.538	5.118	0.417000
HETATM 4935	O	WAT	542	-24.277	-1.919	-7.152	-0.834000
HETATM 4936	H1	WAT	542	-24.662	-1.274	-7.745	0.417000
HETATM 4937	H2	WAT	542	-24.804	-1.857	-6.356	0.417000
HETATM 4938	O	WAT	543	-19.878	6.473	-8.355	-0.834000
HETATM 4939	H1	WAT	543	-19.974	5.868	-9.091	0.417000
HETATM 4940	H2	WAT	543	-19.634	7.305	-8.760	0.417000
HETATM 4941	O	WAT	544	9.082	3.694	-22.795	-0.834000
HETATM 4942	H1	WAT	544	9.831	3.432	-23.331	0.417000
HETATM 4943	H2	WAT	544	8.415	3.031	-22.975	0.417000
HETATM 4944	O	WAT	545	11.644	-29.462	-0.680	-0.834000
HETATM 4945	H1	WAT	545	10.917	-29.950	-1.067	0.417000
HETATM 4946	H2	WAT	545	11.539	-28.571	-1.012	0.417000
HETATM 4947	O	WAT	546	3.889	14.804	-30.213	-0.834000
HETATM 4948	H1	WAT	546	3.855	14.167	-30.927	0.417000
HETATM 4949	H2	WAT	546	3.077	15.303	-30.299	0.417000
HETATM 4950	O	WAT	547	-6.125	19.113	24.160	-0.834000
HETATM 4951	H1	WAT	547	-6.719	19.754	23.771	0.417000
HETATM 4952	H2	WAT	547	-6.363	18.283	23.745	0.417000
HETATM 4953	O	WAT	548	-17.775	11.152	-21.170	-0.834000
HETATM 4954	H1	WAT	548	-17.764	10.634	-21.975	0.417000
HETATM 4955	H2	WAT	548	-17.353	11.977	-21.411	0.417000
HETATM 4956	O	WAT	549	26.643	-14.884	-10.346	-0.834000
HETATM 4957	H1	WAT	549	26.584	-14.332	-11.126	0.417000
HETATM 4958	H2	WAT	549	27.398	-14.542	-9.867	0.417000
HETATM 4959	O	WAT	550	14.006	-23.115	-3.080	-0.834000
HETATM 4960	H1	WAT	550	14.279	-23.575	-3.874	0.417000
HETATM 4961	H2	WAT	550	13.535	-23.774	-2.571	0.417000
HETATM 4962	O	WAT	551	-7.703	-33.092	-10.691	-0.834000
HETATM 4963	H1	WAT	551	-7.765	-32.173	-10.432	0.417000
HETATM 4964	H2	WAT	551	-7.795	-33.079	-11.644	0.417000
HETATM 4965	O	WAT	552	11.383	-26.691	-13.106	-0.834000
HETATM 4966	H1	WAT	552	11.827	-26.758	-12.261	0.417000
HETATM 4967	H2	WAT	552	12.024	-27.011	-13.740	0.417000

HETATM 4968	O	WAT	553	11.548	-29.896	-14.336	-0.834000
HETATM 4969	H1	WAT	553	11.557	-29.848	-13.380	0.417000
HETATM 4970	H2	WAT	553	12.095	-29.164	-14.618	0.417000
HETATM 4971	O	WAT	554	-22.130	15.880	-11.064	-0.834000
HETATM 4972	H1	WAT	554	-22.314	16.816	-11.147	0.417000
HETATM 4973	H2	WAT	554	-21.342	15.837	-10.524	0.417000
HETATM 4974	O	WAT	555	15.718	6.682	13.695	-0.834000
HETATM 4975	H1	WAT	555	16.448	7.172	13.316	0.417000
HETATM 4976	H2	WAT	555	15.671	5.880	13.175	0.417000
HETATM 4977	O	WAT	556	11.814	-12.596	-29.413	-0.834000
HETATM 4978	H1	WAT	556	11.331	-11.772	-29.474	0.417000
HETATM 4979	H2	WAT	556	12.652	-12.415	-29.840	0.417000
HETATM 4980	O	WAT	557	6.149	-10.348	26.361	-0.834000
HETATM 4981	H1	WAT	557	6.415	-10.945	27.061	0.417000
HETATM 4982	H2	WAT	557	6.832	-9.676	26.347	0.417000
HETATM 4983	O	WAT	558	26.458	-5.780	-1.564	-0.834000
HETATM 4984	H1	WAT	558	26.109	-5.884	-0.679	0.417000
HETATM 4985	H2	WAT	558	26.158	-4.915	-1.841	0.417000
HETATM 4986	O	WAT	559	25.035	-22.134	11.697	-0.834000
HETATM 4987	H1	WAT	559	24.527	-21.777	10.969	0.417000
HETATM 4988	H2	WAT	559	25.143	-23.061	11.482	0.417000
HETATM 4989	O	WAT	560	15.055	-20.349	-13.549	-0.834000
HETATM 4990	H1	WAT	560	14.472	-20.651	-14.245	0.417000
HETATM 4991	H2	WAT	560	14.494	-19.828	-12.976	0.417000
HETATM 4992	O	WAT	561	24.298	-3.798	-20.592	-0.834000
HETATM 4993	H1	WAT	561	24.141	-2.904	-20.895	0.417000
HETATM 4994	H2	WAT	561	24.638	-3.693	-19.703	0.417000
HETATM 4995	O	WAT	562	-16.725	-20.933	-18.018	-0.834000
HETATM 4996	H1	WAT	562	-17.374	-20.656	-18.665	0.417000
HETATM 4997	H2	WAT	562	-16.109	-21.473	-18.513	0.417000
HETATM 4998	O	WAT	563	-0.286	-13.214	30.142	-0.834000
HETATM 4999	H1	WAT	563	-0.409	-14.089	29.772	0.417000
HETATM 5000	H2	WAT	563	0.334	-12.789	29.549	0.417000
HETATM 5001	O	WAT	564	6.123	28.421	0.937	-0.834000
HETATM 5002	H1	WAT	564	5.875	27.923	0.159	0.417000
HETATM 5003	H2	WAT	564	6.989	28.087	1.171	0.417000
HETATM 5004	O	WAT	565	-18.012	14.586	-19.997	-0.834000
HETATM 5005	H1	WAT	565	-17.486	14.361	-19.230	0.417000
HETATM 5006	H2	WAT	565	-17.508	14.255	-20.740	0.417000
HETATM 5007	O	WAT	566	-16.258	13.638	-22.021	-0.834000
HETATM 5008	H1	WAT	566	-16.049	14.555	-22.195	0.417000
HETATM 5009	H2	WAT	566	-15.429	13.252	-21.740	0.417000
HETATM 5010	O	WAT	567	4.863	20.659	-11.791	-0.834000
HETATM 5011	H1	WAT	567	4.079	20.222	-11.457	0.417000
HETATM 5012	H2	WAT	567	5.203	20.064	-12.459	0.417000
HETATM 5013	O	WAT	568	11.133	-16.184	10.516	-0.834000
HETATM 5014	H1	WAT	568	11.232	-16.524	11.405	0.417000
HETATM 5015	H2	WAT	568	10.267	-15.776	10.511	0.417000
HETATM 5016	O	WAT	569	8.895	-17.184	22.578	-0.834000
HETATM 5017	H1	WAT	569	9.797	-16.941	22.368	0.417000
HETATM 5018	H2	WAT	569	8.973	-18.017	23.042	0.417000
HETATM 5019	O	WAT	570	6.215	-27.143	11.790	-0.834000
HETATM 5020	H1	WAT	570	6.939	-27.684	12.106	0.417000
HETATM 5021	H2	WAT	570	5.856	-27.632	11.050	0.417000
HETATM 5022	O	WAT	571	-9.882	20.096	-7.731	-0.834000
HETATM 5023	H1	WAT	571	-8.927	20.145	-7.680	0.417000
HETATM 5024	H2	WAT	571	-10.053	19.310	-8.250	0.417000
HETATM 5025	O	WAT	572	11.930	-21.709	-0.586	-0.834000
HETATM 5026	H1	WAT	572	11.198	-21.095	-0.629	0.417000
HETATM 5027	H2	WAT	572	12.159	-21.746	0.342	0.417000
HETATM 5028	O	WAT	573	3.580	-19.496	10.189	-0.834000
HETATM 5029	H1	WAT	573	2.967	-19.625	9.465	0.417000
HETATM 5030	H2	WAT	573	3.056	-19.084	10.876	0.417000
HETATM 5031	O	WAT	574	24.748	10.695	-14.765	-0.834000
HETATM 5032	H1	WAT	574	24.426	9.944	-15.264	0.417000
HETATM 5033	H2	WAT	574	24.011	10.945	-14.207	0.417000
HETATM 5034	O	WAT	575	-21.421	-21.297	-4.439	-0.834000
HETATM 5035	H1	WAT	575	-21.684	-22.119	-4.853	0.417000
HETATM 5036	H2	WAT	575	-20.467	-21.284	-4.517	0.417000
HETATM 5037	O	WAT	576	6.163	-0.231	-22.290	-0.834000

HETATM 5038	H1	WAT	576	5.524	-0.347	-22.993	0.417000
HETATM 5039	H2	WAT	576	6.221	-1.092	-21.876	0.417000
HETATM 5040	O	WAT	577	-8.118	-5.350	-13.452	-0.834000
HETATM 5041	H1	WAT	577	-7.555	-4.697	-13.868	0.417000
HETATM 5042	H2	WAT	577	-8.698	-5.647	-14.153	0.417000
HETATM 5043	O	WAT	578	-5.098	13.735	-26.058	-0.834000
HETATM 5044	H1	WAT	578	-5.514	12.887	-25.903	0.417000
HETATM 5045	H2	WAT	578	-4.481	13.835	-25.332	0.417000
HETATM 5046	O	WAT	579	-7.296	-4.047	33.820	-0.834000
HETATM 5047	H1	WAT	579	-7.329	-4.980	33.611	0.417000
HETATM 5048	H2	WAT	579	-7.560	-3.610	33.010	0.417000
HETATM 5049	O	WAT	580	27.386	-15.122	6.972	-0.834000
HETATM 5050	H1	WAT	580	26.925	-14.601	7.630	0.417000
HETATM 5051	H2	WAT	580	27.678	-15.901	7.445	0.417000
HETATM 5052	O	WAT	581	-10.267	-24.144	-17.008	-0.834000
HETATM 5053	H1	WAT	581	-11.154	-24.465	-16.846	0.417000
HETATM 5054	H2	WAT	581	-10.026	-24.524	-17.853	0.417000
HETATM 5055	O	WAT	582	-19.336	23.624	-2.791	-0.834000
HETATM 5056	H1	WAT	582	-18.503	23.190	-2.978	0.417000
HETATM 5057	H2	WAT	582	-19.800	23.014	-2.218	0.417000
HETATM 5058	O	WAT	583	14.250	-30.526	-0.837	-0.834000
HETATM 5059	H1	WAT	583	13.307	-30.372	-0.895	0.417000
HETATM 5060	H2	WAT	583	14.458	-31.033	-1.622	0.417000
HETATM 5061	O	WAT	584	-11.415	-32.332	3.071	-0.834000
HETATM 5062	H1	WAT	584	-11.359	-31.619	3.708	0.417000
HETATM 5063	H2	WAT	584	-11.661	-31.903	2.252	0.417000
HETATM 5064	O	WAT	585	-17.818	8.044	16.868	-0.834000
HETATM 5065	H1	WAT	585	-17.499	8.929	17.048	0.417000
HETATM 5066	H2	WAT	585	-17.026	7.511	16.809	0.417000
HETATM 5067	O	WAT	586	-12.343	-13.909	14.036	-0.834000
HETATM 5068	H1	WAT	586	-11.413	-14.133	14.037	0.417000
HETATM 5069	H2	WAT	586	-12.742	-14.545	13.442	0.417000
HETATM 5070	O	WAT	587	-5.621	-19.621	-23.380	-0.834000
HETATM 5071	H1	WAT	587	-5.417	-19.678	-24.313	0.417000
HETATM 5072	H2	WAT	587	-4.854	-19.992	-22.944	0.417000
HETATM 5073	O	WAT	588	-25.660	7.334	-17.116	-0.834000
HETATM 5074	H1	WAT	588	-25.543	6.768	-16.353	0.417000
HETATM 5075	H2	WAT	588	-24.833	7.269	-17.592	0.417000
HETATM 5076	O	WAT	589	24.918	3.131	12.412	-0.834000
HETATM 5077	H1	WAT	589	25.776	3.091	11.989	0.417000
HETATM 5078	H2	WAT	589	25.005	2.575	13.185	0.417000
HETATM 5079	O	WAT	590	-24.673	23.806	2.558	-0.834000
HETATM 5080	H1	WAT	590	-25.428	24.280	2.906	0.417000
HETATM 5081	H2	WAT	590	-24.373	24.340	1.823	0.417000
HETATM 5082	O	WAT	591	11.994	31.343	-5.207	-0.834000
HETATM 5083	H1	WAT	591	11.875	30.590	-4.627	0.417000
HETATM 5084	H2	WAT	591	12.222	30.959	-6.054	0.417000
HETATM 5085	O	WAT	592	19.247	23.529	16.863	-0.834000
HETATM 5086	H1	WAT	592	19.815	23.652	17.623	0.417000
HETATM 5087	H2	WAT	592	19.701	23.978	16.150	0.417000
HETATM 5088	O	WAT	593	-15.137	21.585	22.376	-0.834000
HETATM 5089	H1	WAT	593	-16.044	21.630	22.074	0.417000
HETATM 5090	H2	WAT	593	-15.113	20.821	22.952	0.417000
HETATM 5091	O	WAT	594	-4.934	-3.714	25.304	-0.834000
HETATM 5092	H1	WAT	594	-4.593	-4.221	24.568	0.417000
HETATM 5093	H2	WAT	594	-4.982	-2.816	24.975	0.417000
HETATM 5094	O	WAT	595	4.818	-19.209	28.330	-0.834000
HETATM 5095	H1	WAT	595	5.576	-18.707	28.030	0.417000
HETATM 5096	H2	WAT	595	5.127	-20.114	28.364	0.417000
HETATM 5097	O	WAT	596	30.322	7.462	-9.437	-0.834000
HETATM 5098	H1	WAT	596	31.112	7.873	-9.085	0.417000
HETATM 5099	H2	WAT	596	29.609	7.823	-8.911	0.417000
HETATM 5100	O	WAT	597	-24.302	-23.136	-6.964	-0.834000
HETATM 5101	H1	WAT	597	-23.465	-23.313	-6.535	0.417000
HETATM 5102	H2	WAT	597	-24.827	-23.918	-6.798	0.417000
HETATM 5103	O	WAT	598	-1.143	-4.267	32.347	-0.834000
HETATM 5104	H1	WAT	598	-2.031	-4.432	32.031	0.417000
HETATM 5105	H2	WAT	598	-0.579	-4.495	31.607	0.417000
HETATM 5106	O	WAT	599	-19.685	14.673	21.074	-0.834000
HETATM 5107	H1	WAT	599	-19.961	14.627	20.158	0.417000

HETATM 5108	H2	WAT	599	-20.488	14.867	21.557	0.417000
HETATM 5109	O	WAT	600	-27.913	-2.608	-6.679	-0.834000
HETATM 5110	H1	WAT	600	-27.598	-3.436	-7.040	0.417000
HETATM 5111	H2	WAT	600	-28.748	-2.828	-6.267	0.417000
HETATM 5112	O	WAT	601	14.452	-22.754	12.098	-0.834000
HETATM 5113	H1	WAT	601	14.386	-23.169	11.238	0.417000
HETATM 5114	H2	WAT	601	14.733	-21.858	11.910	0.417000
HETATM 5115	O	WAT	602	-22.833	-13.714	16.070	-0.834000
HETATM 5116	H1	WAT	602	-22.628	-14.212	16.862	0.417000
HETATM 5117	H2	WAT	602	-22.232	-12.969	16.094	0.417000
HETATM 5118	O	WAT	603	-24.691	9.743	-13.053	-0.834000
HETATM 5119	H1	WAT	603	-24.830	10.277	-13.835	0.417000
HETATM 5120	H2	WAT	603	-25.157	10.208	-12.359	0.417000
HETATM 5121	O	WAT	604	31.281	15.232	-3.270	-0.834000
HETATM 5122	H1	WAT	604	30.716	15.971	-3.496	0.417000
HETATM 5123	H2	WAT	604	31.560	14.878	-4.115	0.417000
HETATM 5124	O	WAT	605	-1.497	24.031	-7.163	-0.834000
HETATM 5125	H1	WAT	605	-0.793	24.535	-7.572	0.417000
HETATM 5126	H2	WAT	605	-1.045	23.392	-6.611	0.417000
HETATM 5127	O	WAT	606	-8.100	-25.832	-12.884	-0.834000
HETATM 5128	H1	WAT	606	-8.726	-25.270	-13.341	0.417000
HETATM 5129	H2	WAT	606	-8.351	-26.722	-13.132	0.417000
HETATM 5130	O	WAT	607	-19.502	-19.762	3.640	-0.834000
HETATM 5131	H1	WAT	607	-18.861	-19.945	4.327	0.417000
HETATM 5132	H2	WAT	607	-19.431	-18.819	3.491	0.417000
HETATM 5133	O	WAT	608	-20.182	12.316	-7.635	-0.834000
HETATM 5134	H1	WAT	608	-21.126	12.421	-7.755	0.417000
HETATM 5135	H2	WAT	608	-19.994	12.768	-6.812	0.417000
HETATM 5136	O	WAT	609	-6.070	-22.019	-26.937	-0.834000
HETATM 5137	H1	WAT	609	-5.535	-21.314	-26.572	0.417000
HETATM 5138	H2	WAT	609	-6.902	-21.600	-27.156	0.417000
HETATM 5139	O	WAT	610	11.822	17.036	13.297	-0.834000
HETATM 5140	H1	WAT	610	11.019	16.533	13.159	0.417000
HETATM 5141	H2	WAT	610	11.741	17.378	14.187	0.417000
HETATM 5142	O	WAT	611	-13.017	-25.799	-0.370	-0.834000
HETATM 5143	H1	WAT	611	-12.094	-25.817	-0.116	0.417000
HETATM 5144	H2	WAT	611	-13.491	-25.995	0.438	0.417000
HETATM 5145	O	WAT	612	22.081	-13.980	-9.961	-0.834000
HETATM 5146	H1	WAT	612	22.281	-13.069	-9.748	0.417000
HETATM 5147	H2	WAT	612	21.233	-14.143	-9.548	0.417000
HETATM 5148	O	WAT	613	-19.345	14.575	-0.781	-0.834000
HETATM 5149	H1	WAT	613	-18.458	14.786	-1.071	0.417000
HETATM 5150	H2	WAT	613	-19.357	14.815	0.146	0.417000
HETATM 5151	O	WAT	614	-7.951	1.859	33.578	-0.834000
HETATM 5152	H1	WAT	614	-8.513	1.184	33.958	0.417000
HETATM 5153	H2	WAT	614	-7.086	1.453	33.532	0.417000
HETATM 5154	O	WAT	615	-9.858	23.589	7.292	-0.834000
HETATM 5155	H1	WAT	615	-9.402	23.582	6.450	0.417000
HETATM 5156	H2	WAT	615	-10.769	23.779	7.070	0.417000
HETATM 5157	O	WAT	616	-13.624	10.366	-11.620	-0.834000
HETATM 5158	H1	WAT	616	-13.525	11.214	-11.187	0.417000
HETATM 5159	H2	WAT	616	-13.785	10.583	-12.538	0.417000
HETATM 5160	O	WAT	617	-31.601	-2.533	-0.394	-0.834000
HETATM 5161	H1	WAT	617	-30.683	-2.713	-0.599	0.417000
HETATM 5162	H2	WAT	617	-32.072	-2.748	-1.199	0.417000
HETATM 5163	O	WAT	618	-20.761	-12.432	-15.692	-0.834000
HETATM 5164	H1	WAT	618	-20.150	-12.240	-14.981	0.417000
HETATM 5165	H2	WAT	618	-20.202	-12.593	-16.452	0.417000
HETATM 5166	O	WAT	619	4.980	20.194	-25.615	-0.834000
HETATM 5167	H1	WAT	619	5.442	20.992	-25.869	0.417000
HETATM 5168	H2	WAT	619	5.001	19.645	-26.399	0.417000
HETATM 5169	O	WAT	620	-17.989	11.759	-13.938	-0.834000
HETATM 5170	H1	WAT	620	-17.230	12.179	-13.534	0.417000
HETATM 5171	H2	WAT	620	-18.693	11.870	-13.299	0.417000
HETATM 5172	O	WAT	621	-12.853	-24.595	11.294	-0.834000
HETATM 5173	H1	WAT	621	-13.151	-24.433	12.189	0.417000
HETATM 5174	H2	WAT	621	-12.653	-23.726	10.947	0.417000
HETATM 5175	O	WAT	622	-17.253	-21.830	-13.571	-0.834000
HETATM 5176	H1	WAT	622	-16.685	-22.046	-12.832	0.417000
HETATM 5177	H2	WAT	622	-17.353	-20.879	-13.526	0.417000

HETATM 5178	O	WAT	623	30.091	2.143	14.381	-0.834000
HETATM 5179	H1	WAT	623	29.226	1.784	14.184	0.417000
HETATM 5180	H2	WAT	623	29.919	3.041	14.664	0.417000
HETATM 5181	O	WAT	624	-19.976	27.408	-5.799	-0.834000
HETATM 5182	H1	WAT	624	-20.049	26.519	-5.453	0.417000
HETATM 5183	H2	WAT	624	-20.795	27.833	-5.543	0.417000
HETATM 5184	O	WAT	625	6.516	-16.487	10.644	-0.834000
HETATM 5185	H1	WAT	625	5.884	-15.830	10.352	0.417000
HETATM 5186	H2	WAT	625	7.352	-16.021	10.670	0.417000
HETATM 5187	O	WAT	626	12.883	4.585	25.823	-0.834000
HETATM 5188	H1	WAT	626	13.059	3.644	25.820	0.417000
HETATM 5189	H2	WAT	626	12.149	4.693	25.217	0.417000
HETATM 5190	O	WAT	627	-28.918	-5.772	8.288	-0.834000
HETATM 5191	H1	WAT	627	-29.819	-5.453	8.256	0.417000
HETATM 5192	H2	WAT	627	-28.574	-5.438	9.116	0.417000
HETATM 5193	O	WAT	628	19.706	-12.281	13.204	-0.834000
HETATM 5194	H1	WAT	628	20.380	-11.877	12.657	0.417000
HETATM 5195	H2	WAT	628	20.095	-13.107	13.492	0.417000
HETATM 5196	O	WAT	629	-15.519	-23.972	7.228	-0.834000
HETATM 5197	H1	WAT	629	-15.271	-23.484	8.013	0.417000
HETATM 5198	H2	WAT	629	-14.899	-24.700	7.193	0.417000
HETATM 5199	O	WAT	630	10.069	-17.919	-16.463	-0.834000
HETATM 5200	H1	WAT	630	11.000	-18.077	-16.307	0.417000
HETATM 5201	H2	WAT	630	9.997	-17.831	-17.413	0.417000
HETATM 5202	O	WAT	631	-2.819	21.518	-0.942	-0.834000
HETATM 5203	H1	WAT	631	-1.975	21.495	-0.491	0.417000
HETATM 5204	H2	WAT	631	-2.618	21.256	-1.840	0.417000
HETATM 5205	O	WAT	632	-9.741	3.263	25.431	-0.834000
HETATM 5206	H1	WAT	632	-8.973	3.040	25.956	0.417000
HETATM 5207	H2	WAT	632	-9.567	2.874	24.574	0.417000
HETATM 5208	O	WAT	633	-10.753	-19.788	10.733	-0.834000
HETATM 5209	H1	WAT	633	-10.003	-20.289	11.053	0.417000
HETATM 5210	H2	WAT	633	-10.424	-19.334	9.956	0.417000
HETATM 5211	O	WAT	634	28.361	0.721	-13.734	-0.834000
HETATM 5212	H1	WAT	634	29.146	1.068	-14.158	0.417000
HETATM 5213	H2	WAT	634	28.654	0.466	-12.859	0.417000
HETATM 5214	O	WAT	635	-23.280	0.269	-19.946	-0.834000
HETATM 5215	H1	WAT	635	-22.827	0.976	-19.486	0.417000
HETATM 5216	H2	WAT	635	-24.073	0.678	-20.293	0.417000
HETATM 5217	O	WAT	636	-16.596	10.668	4.678	-0.834000
HETATM 5218	H1	WAT	636	-16.190	11.436	5.079	0.417000
HETATM 5219	H2	WAT	636	-17.514	10.915	4.563	0.417000
HETATM 5220	O	WAT	637	-7.905	9.665	24.712	-0.834000
HETATM 5221	H1	WAT	637	-7.150	9.655	25.300	0.417000
HETATM 5222	H2	WAT	637	-8.597	9.221	25.202	0.417000
HETATM 5223	O	WAT	638	-12.179	-30.587	-1.742	-0.834000
HETATM 5224	H1	WAT	638	-12.532	-31.407	-2.087	0.417000
HETATM 5225	H2	WAT	638	-11.596	-30.268	-2.431	0.417000
HETATM 5226	O	WAT	639	26.178	-7.756	-18.148	-0.834000
HETATM 5227	H1	WAT	639	26.769	-7.430	-17.469	0.417000
HETATM 5228	H2	WAT	639	26.418	-7.261	-18.931	0.417000
HETATM 5229	O	WAT	640	5.537	-9.908	-26.601	-0.834000
HETATM 5230	H1	WAT	640	5.796	-10.685	-26.106	0.417000
HETATM 5231	H2	WAT	640	6.265	-9.298	-26.487	0.417000
HETATM 5232	O	WAT	641	21.973	2.284	17.563	-0.834000
HETATM 5233	H1	WAT	641	22.215	3.176	17.809	0.417000
HETATM 5234	H2	WAT	641	21.323	2.395	16.869	0.417000
HETATM 5235	O	WAT	642	17.130	11.284	20.748	-0.834000
HETATM 5236	H1	WAT	642	18.058	11.061	20.674	0.417000
HETATM 5237	H2	WAT	642	16.699	10.735	20.093	0.417000
HETATM 5238	O	WAT	643	-28.612	-9.460	-9.413	-0.834000
HETATM 5239	H1	WAT	643	-27.723	-9.596	-9.085	0.417000
HETATM 5240	H2	WAT	643	-29.088	-10.247	-9.148	0.417000
HETATM 5241	O	WAT	644	7.101	-24.215	-23.426	-0.834000
HETATM 5242	H1	WAT	644	6.974	-23.919	-24.328	0.417000
HETATM 5243	H2	WAT	644	7.923	-24.705	-23.448	0.417000
HETATM 5244	O	WAT	645	-27.047	-16.900	4.875	-0.834000
HETATM 5245	H1	WAT	645	-26.508	-16.304	4.356	0.417000
HETATM 5246	H2	WAT	645	-27.069	-17.710	4.365	0.417000
HETATM 5247	O	WAT	646	2.840	-28.542	-9.257	-0.834000

HETATM 5248	H1	WAT	646	3.745	-28.505	-8.948	0.417000
HETATM 5249	H2	WAT	646	2.413	-27.794	-8.838	0.417000
HETATM 5250	O	WAT	647	14.603	-10.502	28.510	-0.834000
HETATM 5251	H1	WAT	647	14.584	-10.016	29.334	0.417000
HETATM 5252	H2	WAT	647	13.751	-10.326	28.110	0.417000
HETATM 5253	O	WAT	648	1.198	8.006	-29.001	-0.834000
HETATM 5254	H1	WAT	648	0.609	8.384	-29.654	0.417000
HETATM 5255	H2	WAT	648	1.276	8.683	-28.329	0.417000
HETATM 5256	O	WAT	649	5.543	-28.736	-8.476	-0.834000
HETATM 5257	H1	WAT	649	6.140	-28.953	-9.193	0.417000
HETATM 5258	H2	WAT	649	5.883	-27.915	-8.122	0.417000
HETATM 5259	O	WAT	650	-25.342	-0.894	13.478	-0.834000
HETATM 5260	H1	WAT	650	-25.436	-1.608	12.848	0.417000
HETATM 5261	H2	WAT	650	-25.214	-0.114	12.938	0.417000
HETATM 5262	O	WAT	651	-25.899	1.741	0.961	-0.834000
HETATM 5263	H1	WAT	651	-25.057	1.293	1.039	0.417000
HETATM 5264	H2	WAT	651	-26.545	1.085	1.224	0.417000
HETATM 5265	O	WAT	652	-10.316	-7.946	-21.537	-0.834000
HETATM 5266	H1	WAT	652	-10.427	-8.443	-22.347	0.417000
HETATM 5267	H2	WAT	652	-10.907	-7.199	-21.631	0.417000
HETATM 5268	O	WAT	653	-25.156	-10.892	16.960	-0.834000
HETATM 5269	H1	WAT	653	-24.779	-10.390	17.683	0.417000
HETATM 5270	H2	WAT	653	-24.423	-11.036	16.361	0.417000
HETATM 5271	O	WAT	654	5.849	2.832	30.968	-0.834000
HETATM 5272	H1	WAT	654	5.329	3.591	31.233	0.417000
HETATM 5273	H2	WAT	654	5.360	2.079	31.300	0.417000
HETATM 5274	O	WAT	655	18.559	-13.879	-18.158	-0.834000
HETATM 5275	H1	WAT	655	18.279	-14.047	-19.058	0.417000
HETATM 5276	H2	WAT	655	17.828	-13.401	-17.765	0.417000
HETATM 5277	O	WAT	656	-6.778	-16.931	27.966	-0.834000
HETATM 5278	H1	WAT	656	-6.846	-16.777	27.024	0.417000
HETATM 5279	H2	WAT	656	-7.432	-16.347	28.352	0.417000
HETATM 5280	O	WAT	657	24.080	19.403	10.176	-0.834000
HETATM 5281	H1	WAT	657	24.353	18.521	9.925	0.417000
HETATM 5282	H2	WAT	657	23.445	19.267	10.879	0.417000
HETATM 5283	O	WAT	658	-27.400	14.942	-8.245	-0.834000
HETATM 5284	H1	WAT	658	-26.605	15.405	-7.980	0.417000
HETATM 5285	H2	WAT	658	-27.648	14.432	-7.474	0.417000
HETATM 5286	O	WAT	659	3.088	10.151	24.203	-0.834000
HETATM 5287	H1	WAT	659	4.029	9.980	24.231	0.417000
HETATM 5288	H2	WAT	659	3.018	11.104	24.157	0.417000
HETATM 5289	O	WAT	660	-25.470	0.107	-8.649	-0.834000
HETATM 5290	H1	WAT	660	-25.331	0.122	-9.596	0.417000
HETATM 5291	H2	WAT	660	-25.199	0.977	-8.354	0.417000
HETATM 5292	O	WAT	661	-9.926	-27.098	-9.290	-0.834000
HETATM 5293	H1	WAT	661	-9.508	-27.341	-8.464	0.417000
HETATM 5294	H2	WAT	661	-10.800	-26.800	-9.038	0.417000
HETATM 5295	O	WAT	662	4.241	-2.826	18.840	-0.834000
HETATM 5296	H1	WAT	662	4.501	-3.528	19.436	0.417000
HETATM 5297	H2	WAT	662	4.987	-2.226	18.837	0.417000
HETATM 5298	O	WAT	663	-29.528	-15.747	5.167	-0.834000
HETATM 5299	H1	WAT	663	-28.661	-16.151	5.151	0.417000
HETATM 5300	H2	WAT	663	-30.087	-16.396	5.594	0.417000
HETATM 5301	O	WAT	664	-7.824	-13.901	16.142	-0.834000
HETATM 5302	H1	WAT	664	-7.059	-14.448	15.967	0.417000
HETATM 5303	H2	WAT	664	-7.466	-13.025	16.283	0.417000
HETATM 5304	O	WAT	665	24.680	9.927	-21.592	-0.834000
HETATM 5305	H1	WAT	665	23.895	10.064	-21.061	0.417000
HETATM 5306	H2	WAT	665	24.712	8.981	-21.733	0.417000
HETATM 5307	O	WAT	666	-5.335	21.752	16.561	-0.834000
HETATM 5308	H1	WAT	666	-5.219	20.938	16.071	0.417000
HETATM 5309	H2	WAT	666	-5.936	21.522	17.270	0.417000
HETATM 5310	O	WAT	667	-4.017	-6.012	-27.114	-0.834000
HETATM 5311	H1	WAT	667	-4.763	-5.989	-27.713	0.417000
HETATM 5312	H2	WAT	667	-3.786	-6.939	-27.055	0.417000
HETATM 5313	O	WAT	668	13.705	10.762	14.737	-0.834000
HETATM 5314	H1	WAT	668	13.750	9.999	14.161	0.417000
HETATM 5315	H2	WAT	668	13.120	10.493	15.445	0.417000
HETATM 5316	O	WAT	669	13.931	19.464	-22.264	-0.834000
HETATM 5317	H1	WAT	669	14.062	20.328	-21.873	0.417000

HETATM 5318	H2	WAT	669	14.812	19.167	-22.491	0.417000
HETATM 5319	O	WAT	670	13.464	25.513	-1.613	-0.834000
HETATM 5320	H1	WAT	670	14.355	25.652	-1.291	0.417000
HETATM 5321	H2	WAT	670	13.564	24.894	-2.336	0.417000
HETATM 5322	O	WAT	671	-25.307	-23.189	8.614	-0.834000
HETATM 5323	H1	WAT	671	-24.487	-23.118	8.127	0.417000
HETATM 5324	H2	WAT	671	-25.067	-22.985	9.518	0.417000
HETATM 5325	O	WAT	672	-21.347	9.147	-4.159	-0.834000
HETATM 5326	H1	WAT	672	-20.403	9.190	-4.315	0.417000
HETATM 5327	H2	WAT	672	-21.646	10.052	-4.246	0.417000
HETATM 5328	O	WAT	673	-6.589	-11.191	-21.875	-0.834000
HETATM 5329	H1	WAT	673	-6.069	-11.582	-21.173	0.417000
HETATM 5330	H2	WAT	673	-7.484	-11.485	-21.702	0.417000
HETATM 5331	O	WAT	674	25.601	13.998	12.658	-0.834000
HETATM 5332	H1	WAT	674	25.941	14.635	12.030	0.417000
HETATM 5333	H2	WAT	674	25.024	14.508	13.227	0.417000
HETATM 5334	O	WAT	675	18.389	4.471	12.338	-0.834000
HETATM 5335	H1	WAT	675	17.436	4.480	12.249	0.417000
HETATM 5336	H2	WAT	675	18.714	4.687	11.464	0.417000
HETATM 5337	O	WAT	676	12.892	3.485	19.867	-0.834000
HETATM 5338	H1	WAT	676	12.433	3.905	19.140	0.417000
HETATM 5339	H2	WAT	676	13.352	4.201	20.305	0.417000
HETATM 5340	O	WAT	677	33.575	-2.286	-2.258	-0.834000
HETATM 5341	H1	WAT	677	33.137	-1.671	-2.846	0.417000
HETATM 5342	H2	WAT	677	33.642	-1.816	-1.426	0.417000
HETATM 5343	O	WAT	678	11.201	27.223	1.984	-0.834000
HETATM 5344	H1	WAT	678	11.695	27.954	1.613	0.417000
HETATM 5345	H2	WAT	678	11.511	26.456	1.502	0.417000
HETATM 5346	O	WAT	679	22.586	-5.598	-21.855	-0.834000
HETATM 5347	H1	WAT	679	23.083	-5.919	-22.607	0.417000
HETATM 5348	H2	WAT	679	23.199	-5.034	-21.384	0.417000
HETATM 5349	O	WAT	680	-32.582	-5.765	-2.816	-0.834000
HETATM 5350	H1	WAT	680	-31.724	-6.072	-3.108	0.417000
HETATM 5351	H2	WAT	680	-32.521	-4.810	-2.857	0.417000
HETATM 5352	O	WAT	681	-20.942	-11.725	16.294	-0.834000
HETATM 5353	H1	WAT	681	-21.541	-11.066	15.942	0.417000
HETATM 5354	H2	WAT	681	-20.217	-11.748	15.669	0.417000
HETATM 5355	O	WAT	682	12.554	31.891	0.316	-0.834000
HETATM 5356	H1	WAT	682	12.604	32.543	1.016	0.417000
HETATM 5357	H2	WAT	682	13.316	32.072	-0.234	0.417000
HETATM 5358	O	WAT	683	18.738	22.942	-15.273	-0.834000
HETATM 5359	H1	WAT	683	18.356	23.805	-15.114	0.417000
HETATM 5360	H2	WAT	683	18.840	22.560	-14.401	0.417000
HETATM 5361	O	WAT	684	10.167	-0.345	-22.069	-0.834000
HETATM 5362	H1	WAT	684	9.636	-1.119	-21.882	0.417000
HETATM 5363	H2	WAT	684	9.809	-0.002	-22.887	0.417000
HETATM 5364	O	WAT	685	2.973	23.571	-2.359	-0.834000
HETATM 5365	H1	WAT	685	3.116	24.164	-1.621	0.417000
HETATM 5366	H2	WAT	685	3.853	23.364	-2.674	0.417000
HETATM 5367	O	WAT	686	-18.871	25.844	11.209	-0.834000
HETATM 5368	H1	WAT	686	-18.656	26.161	10.332	0.417000
HETATM 5369	H2	WAT	686	-18.396	26.430	11.799	0.417000
HETATM 5370	O	WAT	687	10.901	2.244	29.487	-0.834000
HETATM 5371	H1	WAT	687	10.125	2.262	30.047	0.417000
HETATM 5372	H2	WAT	687	10.782	2.982	28.889	0.417000
HETATM 5373	O	WAT	688	13.837	11.540	-2.137	-0.834000
HETATM 5374	H1	WAT	688	14.754	11.526	-2.411	0.417000
HETATM 5375	H2	WAT	688	13.843	12.010	-1.303	0.417000
HETATM 5376	O	WAT	689	7.875	5.288	-24.683	-0.834000
HETATM 5377	H1	WAT	689	8.207	4.757	-23.959	0.417000
HETATM 5378	H2	WAT	689	8.472	6.035	-24.725	0.417000
HETATM 5379	O	WAT	690	10.213	-23.021	17.074	-0.834000
HETATM 5380	H1	WAT	690	9.892	-22.154	16.826	0.417000
HETATM 5381	H2	WAT	690	9.425	-23.508	17.317	0.417000
HETATM 5382	O	WAT	691	8.779	-22.791	21.036	-0.834000
HETATM 5383	H1	WAT	691	9.552	-22.340	20.696	0.417000
HETATM 5384	H2	WAT	691	8.315	-22.124	21.541	0.417000
HETATM 5385	O	WAT	692	33.888	2.067	-2.703	-0.834000
HETATM 5386	H1	WAT	692	34.368	2.813	-3.065	0.417000
HETATM 5387	H2	WAT	692	33.090	2.018	-3.230	0.417000

HETATM 5388	O	WAT	693	10.366	23.042	10.400	-0.834000
HETATM 5389	H1	WAT	693	11.272	23.130	10.104	0.417000
HETATM 5390	H2	WAT	693	10.116	23.924	10.674	0.417000
HETATM 5391	O	WAT	694	24.355	-16.699	8.958	-0.834000
HETATM 5392	H1	WAT	694	24.082	-17.503	9.399	0.417000
HETATM 5393	H2	WAT	694	24.165	-16.857	8.033	0.417000
HETATM 5394	O	WAT	695	26.574	11.988	-5.458	-0.834000
HETATM 5395	H1	WAT	695	27.308	11.766	-6.031	0.417000
HETATM 5396	H2	WAT	695	25.796	11.831	-5.993	0.417000
HETATM 5397	O	WAT	696	17.526	-10.906	-28.185	-0.834000
HETATM 5398	H1	WAT	696	16.971	-10.133	-28.287	0.417000
HETATM 5399	H2	WAT	696	16.931	-11.646	-28.308	0.417000
HETATM 5400	O	WAT	697	2.031	2.412	22.688	-0.834000
HETATM 5401	H1	WAT	697	1.753	1.500	22.602	0.417000
HETATM 5402	H2	WAT	697	1.813	2.644	23.591	0.417000
HETATM 5403	O	WAT	698	-13.811	-0.134	24.120	-0.834000
HETATM 5404	H1	WAT	698	-13.897	-0.867	23.510	0.417000
HETATM 5405	H2	WAT	698	-14.614	-0.161	24.640	0.417000
HETATM 5406	O	WAT	699	22.064	19.651	-11.741	-0.834000
HETATM 5407	H1	WAT	699	21.205	19.535	-12.147	0.417000
HETATM 5408	H2	WAT	699	21.873	20.019	-10.878	0.417000
HETATM 5409	O	WAT	700	12.876	11.675	9.600	-0.834000
HETATM 5410	H1	WAT	700	12.068	12.104	9.315	0.417000
HETATM 5411	H2	WAT	700	12.581	10.878	10.040	0.417000
HETATM 5412	O	WAT	701	4.509	14.641	22.435	-0.834000
HETATM 5413	H1	WAT	701	4.392	14.860	21.511	0.417000
HETATM 5414	H2	WAT	701	5.299	14.102	22.455	0.417000
HETATM 5415	O	WAT	702	-9.539	-15.691	25.345	-0.834000
HETATM 5416	H1	WAT	702	-9.959	-15.106	25.976	0.417000
HETATM 5417	H2	WAT	702	-8.614	-15.680	25.588	0.417000
HETATM 5418	O	WAT	703	32.281	0.766	-11.219	-0.834000
HETATM 5419	H1	WAT	703	32.708	1.586	-11.469	0.417000
HETATM 5420	H2	WAT	703	32.775	0.462	-10.457	0.417000
HETATM 5421	O	WAT	704	-16.794	4.088	-13.756	-0.834000
HETATM 5422	H1	WAT	704	-15.887	4.117	-13.452	0.417000
HETATM 5423	H2	WAT	704	-17.287	4.556	-13.082	0.417000
HETATM 5424	O	WAT	705	29.193	1.054	8.440	-0.834000
HETATM 5425	H1	WAT	705	29.694	1.671	7.906	0.417000
HETATM 5426	H2	WAT	705	28.310	1.422	8.468	0.417000
HETATM 5427	O	WAT	706	-25.823	6.312	-21.478	-0.834000
HETATM 5428	H1	WAT	706	-25.633	5.633	-20.830	0.417000
HETATM 5429	H2	WAT	706	-26.779	6.327	-21.535	0.417000
HETATM 5430	O	WAT	707	-3.893	28.896	0.172	-0.834000
HETATM 5431	H1	WAT	707	-3.274	28.296	0.586	0.417000
HETATM 5432	H2	WAT	707	-4.716	28.750	0.638	0.417000
HETATM 5433	O	WAT	708	22.349	8.482	-1.841	-0.834000
HETATM 5434	H1	WAT	708	22.898	7.720	-1.654	0.417000
HETATM 5435	H2	WAT	708	22.877	9.017	-2.434	0.417000
HETATM 5436	O	WAT	709	11.496	9.175	23.859	-0.834000
HETATM 5437	H1	WAT	709	10.764	9.768	23.688	0.417000
HETATM 5438	H2	WAT	709	11.550	9.130	24.813	0.417000
HETATM 5439	O	WAT	710	-5.795	-18.047	14.186	-0.834000
HETATM 5440	H1	WAT	710	-5.211	-18.070	13.427	0.417000
HETATM 5441	H2	WAT	710	-6.515	-18.632	13.951	0.417000
HETATM 5442	O	WAT	711	18.544	-14.147	-23.172	-0.834000
HETATM 5443	H1	WAT	711	18.539	-13.486	-23.864	0.417000
HETATM 5444	H2	WAT	711	18.215	-14.939	-23.596	0.417000
HETATM 5445	O	WAT	712	-17.960	-23.009	3.572	-0.834000
HETATM 5446	H1	WAT	712	-17.115	-22.803	3.973	0.417000
HETATM 5447	H2	WAT	712	-18.595	-22.893	4.279	0.417000
HETATM 5448	O	WAT	713	0.962	-32.836	-10.644	-0.834000
HETATM 5449	H1	WAT	713	0.013	-32.937	-10.728	0.417000
HETATM 5450	H2	WAT	713	1.072	-32.043	-10.119	0.417000
HETATM 5451	O	WAT	714	-12.296	6.540	-15.597	-0.834000
HETATM 5452	H1	WAT	714	-11.616	6.349	-16.242	0.417000
HETATM 5453	H2	WAT	714	-12.762	5.711	-15.487	0.417000
HETATM 5454	O	WAT	715	6.971	-11.808	28.541	-0.834000
HETATM 5455	H1	WAT	715	7.414	-11.351	29.256	0.417000
HETATM 5456	H2	WAT	715	6.356	-12.397	28.977	0.417000
HETATM 5457	O	WAT	716	-26.307	20.231	-6.655	-0.834000

HETATM 5458	H1	WAT	716	-26.478	20.719	-5.850	0.417000
HETATM 5459	H2	WAT	716	-25.384	20.398	-6.845	0.417000
HETATM 5460	O	WAT	717	2.239	-22.831	-1.264	-0.834000
HETATM 5461	H1	WAT	717	3.044	-23.306	-1.471	0.417000
HETATM 5462	H2	WAT	717	1.645	-23.502	-0.926	0.417000
HETATM 5463	O	WAT	718	-7.431	22.642	-25.092	-0.834000
HETATM 5464	H1	WAT	718	-7.111	23.452	-25.489	0.417000
HETATM 5465	H2	WAT	718	-6.703	22.027	-25.183	0.417000
HETATM 5466	O	WAT	719	-32.874	-2.916	7.319	-0.834000
HETATM 5467	H1	WAT	719	-32.524	-2.620	6.478	0.417000
HETATM 5468	H2	WAT	719	-32.938	-2.119	7.845	0.417000
HETATM 5469	O	WAT	720	-7.123	-13.372	22.771	-0.834000
HETATM 5470	H1	WAT	720	-6.884	-13.429	21.845	0.417000
HETATM 5471	H2	WAT	720	-8.034	-13.666	22.802	0.417000
HETATM 5472	O	WAT	721	7.944	17.514	-1.453	-0.834000
HETATM 5473	H1	WAT	721	8.471	18.299	-1.603	0.417000
HETATM 5474	H2	WAT	721	8.519	16.929	-0.960	0.417000
HETATM 5475	O	WAT	722	12.447	-24.410	-1.196	-0.834000
HETATM 5476	H1	WAT	722	12.928	-24.576	-0.385	0.417000
HETATM 5477	H2	WAT	722	12.112	-23.519	-1.098	0.417000
HETATM 5478	O	WAT	723	-3.104	-23.153	9.035	-0.834000
HETATM 5479	H1	WAT	723	-3.548	-23.807	9.575	0.417000
HETATM 5480	H2	WAT	723	-2.174	-23.283	9.217	0.417000
HETATM 5481	O	WAT	724	2.714	-13.513	-25.228	-0.834000
HETATM 5482	H1	WAT	724	2.390	-12.805	-25.783	0.417000
HETATM 5483	H2	WAT	724	3.612	-13.661	-25.527	0.417000
HETATM 5484	O	WAT	725	-16.160	28.216	0.803	-0.834000
HETATM 5485	H1	WAT	725	-16.129	29.155	0.622	0.417000
HETATM 5486	H2	WAT	725	-16.503	27.828	-0.002	0.417000
HETATM 5487	O	WAT	726	3.916	1.263	26.510	-0.834000
HETATM 5488	H1	WAT	726	4.430	1.299	27.317	0.417000
HETATM 5489	H2	WAT	726	3.032	1.036	26.799	0.417000
HETATM 5490	O	WAT	727	13.575	8.503	-25.331	-0.834000
HETATM 5491	H1	WAT	727	13.544	8.368	-26.279	0.417000
HETATM 5492	H2	WAT	727	14.439	8.881	-25.171	0.417000
HETATM 5493	O	WAT	728	-31.716	-12.205	8.357	-0.834000
HETATM 5494	H1	WAT	728	-32.453	-12.812	8.416	0.417000
HETATM 5495	H2	WAT	728	-31.128	-12.603	7.714	0.417000
HETATM 5496	O	WAT	729	-21.860	-3.773	1.448	-0.834000
HETATM 5497	H1	WAT	729	-21.764	-4.067	0.542	0.417000
HETATM 5498	H2	WAT	729	-22.796	-3.861	1.630	0.417000
HETATM 5499	O	WAT	730	-20.848	-3.768	19.790	-0.834000
HETATM 5500	H1	WAT	730	-21.251	-3.076	20.314	0.417000
HETATM 5501	H2	WAT	730	-20.659	-4.465	20.418	0.417000
HETATM 5502	O	WAT	731	26.594	14.998	-13.648	-0.834000
HETATM 5503	H1	WAT	731	25.778	15.149	-13.172	0.417000
HETATM 5504	H2	WAT	731	26.357	14.380	-14.340	0.417000
HETATM 5505	O	WAT	732	-20.540	-10.176	-11.603	-0.834000
HETATM 5506	H1	WAT	732	-21.304	-10.063	-11.038	0.417000
HETATM 5507	H2	WAT	732	-20.665	-9.539	-12.306	0.417000
HETATM 5508	O	WAT	733	5.286	-4.637	20.587	-0.834000
HETATM 5509	H1	WAT	733	5.984	-5.032	20.064	0.417000
HETATM 5510	H2	WAT	733	5.745	-4.096	21.230	0.417000
HETATM 5511	O	WAT	734	20.059	15.640	8.479	-0.834000
HETATM 5512	H1	WAT	734	19.748	16.415	8.011	0.417000
HETATM 5513	H2	WAT	734	19.499	15.588	9.254	0.417000
HETATM 5514	O	WAT	735	18.038	7.075	-28.147	-0.834000
HETATM 5515	H1	WAT	735	18.234	7.473	-28.995	0.417000
HETATM 5516	H2	WAT	735	18.166	7.781	-27.515	0.417000
HETATM 5517	O	WAT	736	-27.073	-12.041	18.781	-0.834000
HETATM 5518	H1	WAT	736	-26.479	-11.850	18.055	0.417000
HETATM 5519	H2	WAT	736	-26.675	-12.789	19.225	0.417000
HETATM 5520	O	WAT	737	-5.202	-30.054	-9.467	-0.834000
HETATM 5521	H1	WAT	737	-6.113	-30.197	-9.722	0.417000
HETATM 5522	H2	WAT	737	-5.234	-29.305	-8.872	0.417000
HETATM 5523	O	WAT	738	14.920	-16.976	8.702	-0.834000
HETATM 5524	H1	WAT	738	15.384	-16.948	9.539	0.417000
HETATM 5525	H2	WAT	738	15.046	-16.104	8.329	0.417000
HETATM 5526	O	WAT	739	13.447	22.690	22.273	-0.834000
HETATM 5527	H1	WAT	739	13.619	23.568	21.932	0.417000

HETATM 5528	H2	WAT	739	14.146	22.539	22.910	0.417000
HETATM 5529	O	WAT	740	-2.702	-21.690	19.243	-0.834000
HETATM 5530	H1	WAT	740	-2.581	-22.638	19.288	0.417000
HETATM 5531	H2	WAT	740	-2.505	-21.466	18.334	0.417000
HETATM 5532	O	WAT	741	-2.738	-14.820	-29.519	-0.834000
HETATM 5533	H1	WAT	741	-3.435	-15.265	-30.000	0.417000
HETATM 5534	H2	WAT	741	-1.968	-14.902	-30.081	0.417000
HETATM 5535	O	WAT	742	24.836	16.884	9.502	-0.834000
HETATM 5536	H1	WAT	742	24.091	16.289	9.416	0.417000
HETATM 5537	H2	WAT	742	25.438	16.429	10.091	0.417000
HETATM 5538	O	WAT	743	-10.620	32.757	3.410	-0.834000
HETATM 5539	H1	WAT	743	-11.082	32.803	2.572	0.417000
HETATM 5540	H2	WAT	743	-11.135	32.142	3.933	0.417000
HETATM 5541	O	WAT	744	10.308	20.297	-17.305	-0.834000
HETATM 5542	H1	WAT	744	9.932	20.382	-16.429	0.417000
HETATM 5543	H2	WAT	744	10.057	19.418	-17.589	0.417000
HETATM 5544	O	WAT	745	2.884	0.659	-31.741	-0.834000
HETATM 5545	H1	WAT	745	3.326	0.046	-32.328	0.417000
HETATM 5546	H2	WAT	745	3.244	0.465	-30.876	0.417000
HETATM 5547	O	WAT	746	22.205	2.758	-5.394	-0.834000
HETATM 5548	H1	WAT	746	22.117	2.418	-4.504	0.417000
HETATM 5549	H2	WAT	746	22.123	3.707	-5.297	0.417000
HETATM 5550	O	WAT	747	14.430	-6.152	15.884	-0.834000
HETATM 5551	H1	WAT	747	15.375	-6.006	15.858	0.417000
HETATM 5552	H2	WAT	747	14.057	-5.384	15.452	0.417000
HETATM 5553	O	WAT	748	4.253	-27.161	7.947	-0.834000
HETATM 5554	H1	WAT	748	4.588	-27.646	8.701	0.417000
HETATM 5555	H2	WAT	748	3.508	-27.678	7.641	0.417000
HETATM 5556	O	WAT	749	-10.419	-26.128	0.365	-0.834000
HETATM 5557	H1	WAT	749	-9.934	-25.592	0.992	0.417000
HETATM 5558	H2	WAT	749	-9.963	-25.997	-0.466	0.417000
HETATM 5559	O	WAT	750	28.434	9.935	1.680	-0.834000
HETATM 5560	H1	WAT	750	28.444	10.888	1.773	0.417000
HETATM 5561	H2	WAT	750	29.175	9.742	1.107	0.417000
HETATM 5562	O	WAT	751	-22.928	23.795	-4.551	-0.834000
HETATM 5563	H1	WAT	751	-23.099	23.706	-3.613	0.417000
HETATM 5564	H2	WAT	751	-22.757	22.902	-4.849	0.417000
HETATM 5565	O	WAT	752	24.451	12.890	-17.911	-0.834000
HETATM 5566	H1	WAT	752	23.892	12.128	-17.764	0.417000
HETATM 5567	H2	WAT	752	24.876	12.717	-18.751	0.417000
HETATM 5568	O	WAT	753	-3.649	28.490	-2.541	-0.834000
HETATM 5569	H1	WAT	753	-3.632	28.770	-1.626	0.417000
HETATM 5570	H2	WAT	753	-4.163	27.683	-2.535	0.417000
HETATM 5571	O	WAT	754	1.848	23.689	12.540	-0.834000
HETATM 5572	H1	WAT	754	1.247	23.438	11.839	0.417000
HETATM 5573	H2	WAT	754	1.278	23.905	13.278	0.417000
HETATM 5574	O	WAT	755	-25.230	-2.788	11.431	-0.834000
HETATM 5575	H1	WAT	755	-25.263	-3.556	10.861	0.417000
HETATM 5576	H2	WAT	755	-25.433	-2.052	10.854	0.417000
HETATM 5577	O	WAT	756	15.356	-25.020	13.483	-0.834000
HETATM 5578	H1	WAT	756	15.180	-24.170	13.080	0.417000
HETATM 5579	H2	WAT	756	15.923	-24.818	14.228	0.417000
HETATM 5580	O	WAT	757	1.467	8.255	-33.972	-0.834000
HETATM 5581	H1	WAT	757	0.997	7.679	-33.369	0.417000
HETATM 5582	H2	WAT	757	0.786	8.603	-34.549	0.417000
HETATM 5583	O	WAT	758	4.441	28.700	-3.402	-0.834000
HETATM 5584	H1	WAT	758	4.595	28.199	-4.203	0.417000
HETATM 5585	H2	WAT	758	3.903	29.440	-3.682	0.417000
HETATM 5586	O	WAT	759	6.719	-0.017	-33.596	-0.834000
HETATM 5587	H1	WAT	759	6.739	0.709	-32.973	0.417000
HETATM 5588	H2	WAT	759	5.801	-0.284	-33.624	0.417000
HETATM 5589	O	WAT	760	-1.898	-12.880	-18.844	-0.834000
HETATM 5590	H1	WAT	760	-2.354	-12.038	-18.830	0.417000
HETATM 5591	H2	WAT	760	-2.175	-13.288	-19.665	0.417000
HETATM 5592	O	WAT	761	17.968	-19.607	7.313	-0.834000
HETATM 5593	H1	WAT	761	18.338	-18.749	7.106	0.417000
HETATM 5594	H2	WAT	761	18.375	-20.202	6.684	0.417000
HETATM 5595	O	WAT	762	8.643	-1.158	27.058	-0.834000
HETATM 5596	H1	WAT	762	9.104	-1.934	26.738	0.417000
HETATM 5597	H2	WAT	762	9.340	-0.537	27.272	0.417000

HETATM 5598	O	WAT	763	-23.297	-2.475	-19.344	-0.834000
HETATM 5599	H1	WAT	763	-23.377	-1.528	-19.458	0.417000
HETATM 5600	H2	WAT	763	-22.389	-2.607	-19.071	0.417000
HETATM 5601	O	WAT	764	-16.658	-23.436	-4.966	-0.834000
HETATM 5602	H1	WAT	764	-15.719	-23.613	-4.903	0.417000
HETATM 5603	H2	WAT	764	-16.901	-23.740	-5.841	0.417000
HETATM 5604	O	WAT	765	16.446	-23.784	-8.337	-0.834000
HETATM 5605	H1	WAT	765	16.412	-24.047	-9.256	0.417000
HETATM 5606	H2	WAT	765	15.529	-23.718	-8.072	0.417000
HETATM 5607	O	WAT	766	12.030	7.675	19.799	-0.834000
HETATM 5608	H1	WAT	766	12.892	7.948	20.115	0.417000
HETATM 5609	H2	WAT	766	12.129	7.622	18.848	0.417000
HETATM 5610	O	WAT	767	-8.525	-30.188	-7.345	-0.834000
HETATM 5611	H1	WAT	767	-8.726	-29.270	-7.159	0.417000
HETATM 5612	H2	WAT	767	-7.846	-30.417	-6.710	0.417000
HETATM 5613	O	WAT	768	19.395	12.985	-20.014	-0.834000
HETATM 5614	H1	WAT	768	19.723	13.604	-19.361	0.417000
HETATM 5615	H2	WAT	768	18.470	13.211	-20.114	0.417000
HETATM 5616	O	WAT	769	32.571	-6.267	0.784	-0.834000
HETATM 5617	H1	WAT	769	33.063	-5.676	1.354	0.417000
HETATM 5618	H2	WAT	769	31.925	-5.706	0.357	0.417000
HETATM 5619	O	WAT	770	26.027	-11.543	18.709	-0.834000
HETATM 5620	H1	WAT	770	26.035	-12.154	17.971	0.417000
HETATM 5621	H2	WAT	770	26.732	-10.925	18.515	0.417000
HETATM 5622	O	WAT	771	-4.436	-27.905	17.560	-0.834000
HETATM 5623	H1	WAT	771	-4.370	-27.952	18.514	0.417000
HETATM 5624	H2	WAT	771	-3.830	-27.206	17.312	0.417000
HETATM 5625	O	WAT	772	20.029	-22.772	-16.975	-0.834000
HETATM 5626	H1	WAT	772	19.205	-23.226	-17.150	0.417000
HETATM 5627	H2	WAT	772	19.792	-22.068	-16.372	0.417000
HETATM 5628	O	WAT	773	-2.670	-33.595	-4.588	-0.834000
HETATM 5629	H1	WAT	773	-3.104	-34.401	-4.309	0.417000
HETATM 5630	H2	WAT	773	-2.545	-33.704	-5.531	0.417000
HETATM 5631	O	WAT	774	-9.161	-16.748	21.570	-0.834000
HETATM 5632	H1	WAT	774	-10.015	-17.175	21.495	0.417000
HETATM 5633	H2	WAT	774	-9.357	-15.881	21.924	0.417000
HETATM 5634	O	WAT	775	1.139	-23.861	4.391	-0.834000
HETATM 5635	H1	WAT	775	1.367	-24.319	5.200	0.417000
HETATM 5636	H2	WAT	775	0.542	-23.167	4.669	0.417000
HETATM 5637	O	WAT	776	8.400	11.948	18.745	-0.834000
HETATM 5638	H1	WAT	776	8.768	11.645	17.914	0.417000
HETATM 5639	H2	WAT	776	7.835	11.231	19.032	0.417000
HETATM 5640	O	WAT	777	15.714	-9.018	21.605	-0.834000
HETATM 5641	H1	WAT	777	16.610	-9.322	21.455	0.417000
HETATM 5642	H2	WAT	777	15.817	-8.190	22.073	0.417000
HETATM 5643	O	WAT	778	10.456	-2.942	17.680	-0.834000
HETATM 5644	H1	WAT	778	11.378	-2.780	17.483	0.417000
HETATM 5645	H2	WAT	778	10.084	-3.246	16.852	0.417000
HETATM 5646	O	WAT	779	17.994	-8.605	-17.443	-0.834000
HETATM 5647	H1	WAT	779	17.503	-7.836	-17.732	0.417000
HETATM 5648	H2	WAT	779	17.732	-8.729	-16.531	0.417000
HETATM 5649	O	WAT	780	9.316	13.341	24.933	-0.834000
HETATM 5650	H1	WAT	780	9.736	14.087	24.504	0.417000
HETATM 5651	H2	WAT	780	8.521	13.705	25.324	0.417000
HETATM 5652	O	WAT	781	-22.358	3.707	-7.376	-0.834000
HETATM 5653	H1	WAT	781	-22.416	4.662	-7.411	0.417000
HETATM 5654	H2	WAT	781	-22.100	3.516	-6.474	0.417000
HETATM 5655	O	WAT	782	17.085	-4.154	20.219	-0.834000
HETATM 5656	H1	WAT	782	17.463	-4.726	20.887	0.417000
HETATM 5657	H2	WAT	782	17.068	-3.288	20.626	0.417000
HETATM 5658	O	WAT	783	-12.703	-25.753	-11.351	-0.834000
HETATM 5659	H1	WAT	783	-12.573	-26.039	-10.446	0.417000
HETATM 5660	H2	WAT	783	-12.392	-24.848	-11.363	0.417000
HETATM 5661	O	WAT	784	-17.139	-23.846	-2.275	-0.834000
HETATM 5662	H1	WAT	784	-17.008	-23.789	-3.221	0.417000
HETATM 5663	H2	WAT	784	-16.636	-23.113	-1.919	0.417000
HETATM 5664	O	WAT	785	29.010	-12.343	-7.010	-0.834000
HETATM 5665	H1	WAT	785	28.900	-12.928	-6.260	0.417000
HETATM 5666	H2	WAT	785	29.825	-11.874	-6.831	0.417000
HETATM 5667	O	WAT	786	-1.293	12.267	-24.617	-0.834000

HETATM 5668	H1	WAT	786	-1.635	11.377	-24.531	0.417000
HETATM 5669	H2	WAT	786	-0.919	12.295	-25.498	0.417000
HETATM 5670	O	WAT	787	0.323	-18.866	-3.857	-0.834000
HETATM 5671	H1	WAT	787	1.050	-19.096	-4.436	0.417000
HETATM 5672	H2	WAT	787	0.448	-19.418	-3.085	0.417000
HETATM 5673	O	WAT	788	-6.093	-31.793	0.437	-0.834000
HETATM 5674	H1	WAT	788	-5.173	-31.761	0.700	0.417000
HETATM 5675	H2	WAT	788	-6.579	-31.683	1.254	0.417000
HETATM 5676	O	WAT	789	3.823	10.368	-28.493	-0.834000
HETATM 5677	H1	WAT	789	4.162	9.538	-28.158	0.417000
HETATM 5678	H2	WAT	789	4.300	11.037	-28.002	0.417000
HETATM 5679	O	WAT	790	25.821	3.671	17.923	-0.834000
HETATM 5680	H1	WAT	790	25.402	2.845	17.681	0.417000
HETATM 5681	H2	WAT	790	25.386	3.931	18.736	0.417000
HETATM 5682	O	WAT	791	31.042	-13.809	-3.189	-0.834000
HETATM 5683	H1	WAT	791	31.974	-14.015	-3.259	0.417000
HETATM 5684	H2	WAT	791	31.005	-12.853	-3.228	0.417000
HETATM 5685	O	WAT	792	-23.098	16.092	9.905	-0.834000
HETATM 5686	H1	WAT	792	-23.883	16.481	9.521	0.417000
HETATM 5687	H2	WAT	792	-22.993	15.259	9.445	0.417000
HETATM 5688	O	WAT	793	23.179	-1.712	-8.507	-0.834000
HETATM 5689	H1	WAT	793	23.082	-2.262	-9.284	0.417000
HETATM 5690	H2	WAT	793	22.890	-0.845	-8.790	0.417000
HETATM 5691	O	WAT	794	21.854	-23.421	10.588	-0.834000
HETATM 5692	H1	WAT	794	20.980	-23.695	10.310	0.417000
HETATM 5693	H2	WAT	794	22.382	-24.218	10.538	0.417000
HETATM 5694	O	WAT	795	9.807	-8.984	28.653	-0.834000
HETATM 5695	H1	WAT	795	9.226	-8.788	27.917	0.417000
HETATM 5696	H2	WAT	795	9.959	-8.136	29.069	0.417000
HETATM 5697	O	WAT	796	-14.386	-15.386	-28.169	-0.834000
HETATM 5698	H1	WAT	796	-14.682	-14.485	-28.036	0.417000
HETATM 5699	H2	WAT	796	-13.515	-15.412	-27.772	0.417000
HETATM 5700	O	WAT	797	0.320	-24.644	-0.450	-0.834000
HETATM 5701	H1	WAT	797	-0.564	-24.392	-0.716	0.417000
HETATM 5702	H2	WAT	797	0.481	-25.470	-0.906	0.417000
HETATM 5703	O	WAT	798	-8.913	-9.937	-14.007	-0.834000
HETATM 5704	H1	WAT	798	-9.469	-10.533	-14.507	0.417000
HETATM 5705	H2	WAT	798	-8.599	-9.303	-14.652	0.417000
HETATM 5706	O	WAT	799	26.805	5.272	-15.148	-0.834000
HETATM 5707	H1	WAT	799	27.121	5.985	-14.593	0.417000
HETATM 5708	H2	WAT	799	26.806	4.504	-14.576	0.417000
HETATM 5709	O	WAT	800	-1.252	-30.864	-12.330	-0.834000
HETATM 5710	H1	WAT	800	-1.843	-30.283	-11.852	0.417000
HETATM 5711	H2	WAT	800	-1.339	-31.709	-11.889	0.417000
HETATM 5712	O	WAT	801	-32.002	9.350	-7.160	-0.834000
HETATM 5713	H1	WAT	801	-32.313	8.515	-6.810	0.417000
HETATM 5714	H2	WAT	801	-31.056	9.335	-7.011	0.417000
HETATM 5715	O	WAT	802	-12.083	-8.469	-13.985	-0.834000
HETATM 5716	H1	WAT	802	-12.057	-8.862	-13.112	0.417000
HETATM 5717	H2	WAT	802	-12.369	-9.179	-14.559	0.417000
HETATM 5718	O	WAT	803	21.342	-12.908	-4.163	-0.834000
HETATM 5719	H1	WAT	803	21.375	-12.383	-3.364	0.417000
HETATM 5720	H2	WAT	803	20.585	-13.482	-4.041	0.417000
HETATM 5721	O	WAT	804	15.600	14.200	-13.464	-0.834000
HETATM 5722	H1	WAT	804	16.137	13.642	-12.901	0.417000
HETATM 5723	H2	WAT	804	16.233	14.712	-13.967	0.417000
HETATM 5724	O	WAT	805	9.504	11.009	23.363	-0.834000
HETATM 5725	H1	WAT	805	9.462	11.533	22.563	0.417000
HETATM 5726	H2	WAT	805	9.414	11.647	24.072	0.417000
HETATM 5727	O	WAT	806	25.697	11.727	-0.539	-0.834000
HETATM 5728	H1	WAT	806	26.299	12.472	-0.529	0.417000
HETATM 5729	H2	WAT	806	25.763	11.378	-1.428	0.417000
HETATM 5730	O	WAT	807	9.204	29.770	-2.448	-0.834000
HETATM 5731	H1	WAT	807	9.494	30.365	-1.756	0.417000
HETATM 5732	H2	WAT	807	8.257	29.901	-2.495	0.417000
HETATM 5733	O	WAT	808	13.733	9.586	28.483	-0.834000
HETATM 5734	H1	WAT	808	13.911	10.516	28.341	0.417000
HETATM 5735	H2	WAT	808	13.913	9.447	29.413	0.417000
HETATM 5736	O	WAT	809	8.205	20.437	13.110	-0.834000
HETATM 5737	H1	WAT	809	7.489	20.571	12.489	0.417000

HETATM 5738	H2	WAT	809	8.231	19.490	13.246	0.417000
HETATM 5739	O	WAT	810	-7.054	6.452	-33.434	-0.834000
HETATM 5740	H1	WAT	810	-7.381	6.558	-34.327	0.417000
HETATM 5741	H2	WAT	810	-6.707	5.560	-33.409	0.417000
HETATM 5742	O	WAT	811	18.239	19.324	-20.373	-0.834000
HETATM 5743	H1	WAT	811	18.941	19.790	-20.828	0.417000
HETATM 5744	H2	WAT	811	18.543	18.417	-20.328	0.417000
HETATM 5745	O	WAT	812	-1.926	-17.745	15.645	-0.834000
HETATM 5746	H1	WAT	812	-2.261	-16.848	15.644	0.417000
HETATM 5747	H2	WAT	812	-2.696	-18.287	15.816	0.417000
HETATM 5748	O	WAT	813	22.041	-0.849	-2.582	-0.834000
HETATM 5749	H1	WAT	813	21.748	-1.540	-1.987	0.417000
HETATM 5750	H2	WAT	813	22.940	-1.089	-2.804	0.417000
HETATM 5751	O	WAT	814	-10.109	-12.794	-10.254	-0.834000
HETATM 5752	H1	WAT	814	-9.987	-11.934	-10.655	0.417000
HETATM 5753	H2	WAT	814	-9.783	-13.412	-10.909	0.417000
HETATM 5754	O	WAT	815	3.118	-7.232	-33.483	-0.834000
HETATM 5755	H1	WAT	815	3.502	-6.435	-33.116	0.417000
HETATM 5756	H2	WAT	815	3.823	-7.879	-33.439	0.417000
HETATM 5757	O	WAT	816	28.511	3.394	17.837	-0.834000
HETATM 5758	H1	WAT	816	27.561	3.509	17.833	0.417000
HETATM 5759	H2	WAT	816	28.644	2.506	18.170	0.417000
HETATM 5760	O	WAT	817	16.913	-25.737	4.930	-0.834000
HETATM 5761	H1	WAT	817	17.269	-25.530	4.066	0.417000
HETATM 5762	H2	WAT	817	15.979	-25.877	4.776	0.417000
HETATM 5763	O	WAT	818	2.321	-20.179	-26.057	-0.834000
HETATM 5764	H1	WAT	818	2.017	-20.480	-26.913	0.417000
HETATM 5765	H2	WAT	818	2.011	-20.847	-25.445	0.417000
HETATM 5766	O	WAT	819	18.225	19.098	-17.586	-0.834000
HETATM 5767	H1	WAT	819	19.166	19.012	-17.433	0.417000
HETATM 5768	H2	WAT	819	18.143	19.182	-18.536	0.417000
HETATM 5769	O	WAT	820	23.153	-14.723	6.012	-0.834000
HETATM 5770	H1	WAT	820	22.425	-14.626	5.398	0.417000
HETATM 5771	H2	WAT	820	23.196	-15.663	6.186	0.417000
HETATM 5772	O	WAT	821	1.430	-30.415	10.768	-0.834000
HETATM 5773	H1	WAT	821	1.445	-30.668	9.845	0.417000
HETATM 5774	H2	WAT	821	0.499	-30.350	10.984	0.417000
HETATM 5775	O	WAT	822	3.698	-1.535	22.558	-0.834000
HETATM 5776	H1	WAT	822	4.154	-1.033	23.234	0.417000
HETATM 5777	H2	WAT	822	2.922	-1.013	22.355	0.417000
HETATM 5778	O	WAT	823	10.849	31.222	11.310	-0.834000
HETATM 5779	H1	WAT	823	10.004	30.777	11.372	0.417000
HETATM 5780	H2	WAT	823	10.658	32.130	11.545	0.417000
HETATM 5781	O	WAT	824	-13.149	-28.685	7.290	-0.834000
HETATM 5782	H1	WAT	824	-13.393	-28.954	6.404	0.417000
HETATM 5783	H2	WAT	824	-13.330	-29.453	7.831	0.417000
HETATM 5784	O	WAT	825	11.178	12.257	0.494	-0.834000
HETATM 5785	H1	WAT	825	10.719	12.535	1.287	0.417000
HETATM 5786	H2	WAT	825	11.532	11.395	0.711	0.417000
HETATM 5787	O	WAT	826	-0.328	11.014	-32.822	-0.834000
HETATM 5788	H1	WAT	826	0.626	11.094	-32.829	0.417000
HETATM 5789	H2	WAT	826	-0.537	10.576	-33.647	0.417000
HETATM 5790	O	WAT	827	-28.294	-2.211	-17.372	-0.834000
HETATM 5791	H1	WAT	827	-28.107	-3.090	-17.703	0.417000
HETATM 5792	H2	WAT	827	-28.567	-1.717	-18.145	0.417000
HETATM 5793	O	WAT	828	-17.479	2.431	22.182	-0.834000
HETATM 5794	H1	WAT	828	-17.496	2.725	23.093	0.417000
HETATM 5795	H2	WAT	828	-16.898	3.050	21.741	0.417000
HETATM 5796	O	WAT	829	-8.755	11.856	29.256	-0.834000
HETATM 5797	H1	WAT	829	-8.354	11.039	28.960	0.417000
HETATM 5798	H2	WAT	829	-9.398	12.067	28.579	0.417000
HETATM 5799	O	WAT	830	10.996	4.861	33.543	-0.834000
HETATM 5800	H1	WAT	830	10.382	4.877	32.809	0.417000
HETATM 5801	H2	WAT	830	10.843	4.016	33.965	0.417000
HETATM 5802	O	WAT	831	-10.720	-31.761	6.827	-0.834000
HETATM 5803	H1	WAT	831	-10.836	-31.202	6.060	0.417000
HETATM 5804	H2	WAT	831	-11.547	-32.236	6.905	0.417000
HETATM 5805	O	WAT	832	11.355	-12.811	27.967	-0.834000
HETATM 5806	H1	WAT	832	11.171	-12.683	28.897	0.417000
HETATM 5807	H2	WAT	832	10.495	-12.943	27.569	0.417000

HETATM 5808	O	WAT	833	11.944	14.387	-27.630	-0.834000
HETATM 5809	H1	WAT	833	11.189	14.907	-27.354	0.417000
HETATM 5810	H2	WAT	833	12.699	14.851	-27.269	0.417000
HETATM 5811	O	WAT	834	19.379	2.830	27.829	-0.834000
HETATM 5812	H1	WAT	834	19.929	3.140	28.548	0.417000
HETATM 5813	H2	WAT	834	18.623	3.417	27.835	0.417000
HETATM 5814	O	WAT	835	-16.815	-26.261	-9.270	-0.834000
HETATM 5815	H1	WAT	835	-16.371	-25.964	-10.065	0.417000
HETATM 5816	H2	WAT	835	-17.571	-26.755	-9.588	0.417000
HETATM 5817	O	WAT	836	-2.234	-0.987	30.084	-0.834000
HETATM 5818	H1	WAT	836	-3.022	-1.031	30.626	0.417000
HETATM 5819	H2	WAT	836	-2.562	-0.991	29.184	0.417000
HETATM 5820	O	WAT	837	0.720	-3.069	-30.048	-0.834000
HETATM 5821	H1	WAT	837	0.427	-3.333	-29.176	0.417000
HETATM 5822	H2	WAT	837	0.562	-3.838	-30.596	0.417000
HETATM 5823	O	WAT	838	1.841	10.847	-22.493	-0.834000
HETATM 5824	H1	WAT	838	1.599	11.722	-22.796	0.417000
HETATM 5825	H2	WAT	838	1.771	10.296	-23.273	0.417000
HETATM 5826	O	WAT	839	17.553	10.795	1.803	-0.834000
HETATM 5827	H1	WAT	839	16.931	11.511	1.678	0.417000
HETATM 5828	H2	WAT	839	18.174	10.887	1.080	0.417000
HETATM 5829	O	WAT	840	-9.400	-21.816	4.344	-0.834000
HETATM 5830	H1	WAT	840	-10.294	-21.953	4.657	0.417000
HETATM 5831	H2	WAT	840	-9.472	-21.858	3.390	0.417000
HETATM 5832	O	WAT	841	26.520	5.591	-21.866	-0.834000
HETATM 5833	H1	WAT	841	27.171	5.711	-22.557	0.417000
HETATM 5834	H2	WAT	841	26.173	4.711	-22.013	0.417000
HETATM 5835	O	WAT	842	-1.825	-9.507	32.625	-0.834000
HETATM 5836	H1	WAT	842	-2.032	-9.746	31.722	0.417000
HETATM 5837	H2	WAT	842	-2.272	-8.672	32.761	0.417000
HETATM 5838	O	WAT	843	-4.134	13.004	-18.854	-0.834000
HETATM 5839	H1	WAT	843	-4.640	13.443	-18.170	0.417000
HETATM 5840	H2	WAT	843	-3.290	13.455	-18.854	0.417000
HETATM 5841	O	WAT	844	21.705	-13.478	10.122	-0.834000
HETATM 5842	H1	WAT	844	20.821	-13.827	10.009	0.417000
HETATM 5843	H2	WAT	844	21.575	-12.626	10.540	0.417000
HETATM 5844	O	WAT	845	-3.438	18.077	28.428	-0.834000
HETATM 5845	H1	WAT	845	-3.833	18.241	29.284	0.417000
HETATM 5846	H2	WAT	845	-4.162	18.167	27.808	0.417000
HETATM 5847	O	WAT	846	2.683	4.346	-30.899	-0.834000
HETATM 5848	H1	WAT	846	2.647	3.979	-31.782	0.417000
HETATM 5849	H2	WAT	846	1.827	4.144	-30.520	0.417000
HETATM 5850	O	WAT	847	17.656	-1.977	24.516	-0.834000
HETATM 5851	H1	WAT	847	17.589	-2.206	23.589	0.417000
HETATM 5852	H2	WAT	847	18.568	-2.159	24.743	0.417000
HETATM 5853	O	WAT	848	-28.712	-9.391	11.044	-0.834000
HETATM 5854	H1	WAT	848	-29.470	-9.975	11.026	0.417000
HETATM 5855	H2	WAT	848	-28.019	-9.885	10.607	0.417000
HETATM 5856	O	WAT	849	25.577	-15.180	12.658	-0.834000
HETATM 5857	H1	WAT	849	25.648	-14.227	12.605	0.417000
HETATM 5858	H2	WAT	849	24.741	-15.381	12.238	0.417000
HETATM 5859	O	WAT	850	-27.560	13.908	-14.434	-0.834000
HETATM 5860	H1	WAT	850	-27.268	13.547	-15.271	0.417000
HETATM 5861	H2	WAT	850	-26.763	14.255	-14.032	0.417000
HETATM 5862	O	WAT	851	17.404	2.318	16.459	-0.834000
HETATM 5863	H1	WAT	851	17.073	2.012	15.615	0.417000
HETATM 5864	H2	WAT	851	16.774	2.984	16.737	0.417000
HETATM 5865	O	WAT	852	23.277	18.702	14.854	-0.834000
HETATM 5866	H1	WAT	852	23.192	18.928	13.928	0.417000
HETATM 5867	H2	WAT	852	24.157	18.994	15.092	0.417000
HETATM 5868	O	WAT	853	-22.077	10.722	0.100	-0.834000
HETATM 5869	H1	WAT	853	-21.739	11.430	-0.449	0.417000
HETATM 5870	H2	WAT	853	-22.050	9.949	-0.464	0.417000
HETATM 5871	O	WAT	854	6.053	-7.113	24.476	-0.834000
HETATM 5872	H1	WAT	854	6.502	-6.333	24.151	0.417000
HETATM 5873	H2	WAT	854	6.433	-7.834	23.974	0.417000
HETATM 5874	O	WAT	855	19.423	-16.509	-17.289	-0.834000
HETATM 5875	H1	WAT	855	19.386	-15.592	-17.560	0.417000
HETATM 5876	H2	WAT	855	18.557	-16.857	-17.503	0.417000
HETATM 5877	O	WAT	856	-13.585	9.322	-24.194	-0.834000

HETATM 5878	H1	WAT	856	-13.044	9.608	-23.459	0.417000
HETATM 5879	H2	WAT	856	-13.075	8.629	-24.612	0.417000
HETATM 5880	O	WAT	857	19.822	13.418	-1.463	-0.834000
HETATM 5881	H1	WAT	857	19.883	13.850	-2.315	0.417000
HETATM 5882	H2	WAT	857	18.915	13.553	-1.189	0.417000
HETATM 5883	O	WAT	858	-3.399	-14.702	20.796	-0.834000
HETATM 5884	H1	WAT	858	-2.614	-15.029	20.356	0.417000
HETATM 5885	H2	WAT	858	-3.689	-13.969	20.254	0.417000
HETATM 5886	O	WAT	859	4.691	-14.507	10.014	-0.834000
HETATM 5887	H1	WAT	859	4.852	-14.120	10.874	0.417000
HETATM 5888	H2	WAT	859	4.480	-13.762	9.451	0.417000
HETATM 5889	O	WAT	860	-3.044	-17.945	-7.166	-0.834000
HETATM 5890	H1	WAT	860	-2.788	-17.956	-6.244	0.417000
HETATM 5891	H2	WAT	860	-3.534	-17.128	-7.268	0.417000
HETATM 5892	O	WAT	861	19.294	-0.974	18.852	-0.834000
HETATM 5893	H1	WAT	861	18.424	-0.604	18.703	0.417000
HETATM 5894	H2	WAT	861	19.829	-0.228	19.123	0.417000
HETATM 5895	O	WAT	862	-24.958	-12.304	-9.214	-0.834000
HETATM 5896	H1	WAT	862	-24.672	-12.278	-10.128	0.417000
HETATM 5897	H2	WAT	862	-24.223	-12.698	-8.744	0.417000
HETATM 5898	O	WAT	863	-3.753	-19.694	5.883	-0.834000
HETATM 5899	H1	WAT	863	-3.446	-18.852	5.547	0.417000
HETATM 5900	H2	WAT	863	-4.391	-19.992	5.234	0.417000
HETATM 5901	O	WAT	864	-16.121	12.999	-10.228	-0.834000
HETATM 5902	H1	WAT	864	-17.067	13.019	-10.083	0.417000
HETATM 5903	H2	WAT	864	-16.027	12.908	-11.176	0.417000
HETATM 5904	O	WAT	865	-14.973	-1.514	-29.638	-0.834000
HETATM 5905	H1	WAT	865	-14.909	-2.197	-30.305	0.417000
HETATM 5906	H2	WAT	865	-14.600	-1.912	-28.851	0.417000
HETATM 5907	O	WAT	866	29.151	4.660	11.181	-0.834000
HETATM 5908	H1	WAT	866	29.909	4.249	10.765	0.417000
HETATM 5909	H2	WAT	866	28.501	3.960	11.241	0.417000
HETATM 5910	O	WAT	867	7.804	-29.130	-10.515	-0.834000
HETATM 5911	H1	WAT	867	7.071	-29.519	-10.994	0.417000
HETATM 5912	H2	WAT	867	8.185	-28.503	-11.130	0.417000
HETATM 5913	O	WAT	868	31.433	-6.915	-10.687	-0.834000
HETATM 5914	H1	WAT	868	30.504	-7.062	-10.511	0.417000
HETATM 5915	H2	WAT	868	31.467	-6.684	-11.615	0.417000
HETATM 5916	O	WAT	869	-30.025	-11.890	-2.398	-0.834000
HETATM 5917	H1	WAT	869	-29.174	-11.806	-1.966	0.417000
HETATM 5918	H2	WAT	869	-29.836	-12.361	-3.209	0.417000
HETATM 5919	O	WAT	870	5.607	-25.698	-21.490	-0.834000
HETATM 5920	H1	WAT	870	5.607	-25.186	-20.682	0.417000
HETATM 5921	H2	WAT	870	6.025	-25.127	-22.135	0.417000
HETATM 5922	O	WAT	871	30.513	11.026	11.567	-0.834000
HETATM 5923	H1	WAT	871	30.771	10.731	12.441	0.417000
HETATM 5924	H2	WAT	871	30.283	11.948	11.684	0.417000
HETATM 5925	O	WAT	872	19.234	6.679	-10.301	-0.834000
HETATM 5926	H1	WAT	872	19.965	6.063	-10.359	0.417000
HETATM 5927	H2	WAT	872	19.626	7.533	-10.483	0.417000
HETATM 5928	O	WAT	873	-22.652	10.855	4.541	-0.834000
HETATM 5929	H1	WAT	873	-22.035	10.734	3.819	0.417000
HETATM 5930	H2	WAT	873	-23.358	10.235	4.358	0.417000
HETATM 5931	O	WAT	874	11.452	24.651	-22.379	-0.834000
HETATM 5932	H1	WAT	874	11.771	25.322	-22.983	0.417000
HETATM 5933	H2	WAT	874	11.205	23.919	-22.944	0.417000
HETATM 5934	O	WAT	875	26.239	17.748	-10.958	-0.834000
HETATM 5935	H1	WAT	875	26.766	17.844	-11.752	0.417000
HETATM 5936	H2	WAT	875	26.642	17.017	-10.490	0.417000
HETATM 5937	O	WAT	876	19.960	-5.569	4.655	-0.834000
HETATM 5938	H1	WAT	876	19.746	-6.502	4.649	0.417000
HETATM 5939	H2	WAT	876	19.223	-5.151	4.211	0.417000
HETATM 5940	O	WAT	877	-13.618	12.024	25.566	-0.834000
HETATM 5941	H1	WAT	877	-13.822	12.013	24.630	0.417000
HETATM 5942	H2	WAT	877	-12.816	11.506	25.642	0.417000
HETATM 5943	O	WAT	878	30.681	0.699	16.650	-0.834000
HETATM 5944	H1	WAT	878	30.581	-0.219	16.401	0.417000
HETATM 5945	H2	WAT	878	30.423	1.189	15.869	0.417000
HETATM 5946	O	WAT	879	12.806	26.191	8.461	-0.834000
HETATM 5947	H1	WAT	879	13.336	26.797	8.980	0.417000

HETATM 5948	H2	WAT	879	11.913	26.524	8.544	0.417000
HETATM 5949	O	WAT	880	-32.653	3.129	-7.435	-0.834000
HETATM 5950	H1	WAT	880	-32.733	2.254	-7.813	0.417000
HETATM 5951	H2	WAT	880	-33.529	3.327	-7.103	0.417000
HETATM 5952	O	WAT	881	9.385	-4.003	29.928	-0.834000
HETATM 5953	H1	WAT	881	10.176	-3.704	29.479	0.417000
HETATM 5954	H2	WAT	881	9.394	-3.536	30.764	0.417000
HETATM 5955	O	WAT	882	-8.987	-17.198	-12.385	-0.834000
HETATM 5956	H1	WAT	882	-9.334	-17.404	-13.253	0.417000
HETATM 5957	H2	WAT	882	-9.609	-17.599	-11.778	0.417000
HETATM 5958	O	WAT	883	12.897	17.682	7.679	-0.834000
HETATM 5959	H1	WAT	883	12.546	16.905	8.114	0.417000
HETATM 5960	H2	WAT	883	12.157	18.034	7.183	0.417000
HETATM 5961	O	WAT	884	-2.041	-21.290	-7.206	-0.834000
HETATM 5962	H1	WAT	884	-1.146	-20.953	-7.244	0.417000
HETATM 5963	H2	WAT	884	-2.349	-21.055	-6.331	0.417000
HETATM 5964	O	WAT	885	-8.447	23.421	13.482	-0.834000
HETATM 5965	H1	WAT	885	-7.606	23.539	13.923	0.417000
HETATM 5966	H2	WAT	885	-8.565	22.472	13.440	0.417000
HETATM 5967	O	WAT	886	20.933	-12.709	-12.221	-0.834000
HETATM 5968	H1	WAT	886	21.488	-13.262	-11.672	0.417000
HETATM 5969	H2	WAT	886	21.440	-12.580	-13.023	0.417000
HETATM 5970	O	WAT	887	3.911	-26.230	-6.319	-0.834000
HETATM 5971	H1	WAT	887	4.526	-25.527	-6.111	0.417000
HETATM 5972	H2	WAT	887	3.945	-26.304	-7.273	0.417000
HETATM 5973	O	WAT	888	16.731	13.606	-19.869	-0.834000
HETATM 5974	H1	WAT	888	16.393	13.800	-18.995	0.417000
HETATM 5975	H2	WAT	888	16.291	12.795	-20.122	0.417000
HETATM 5976	O	WAT	889	20.689	0.073	12.514	-0.834000
HETATM 5977	H1	WAT	889	20.150	0.746	12.929	0.417000
HETATM 5978	H2	WAT	889	20.520	0.174	11.578	0.417000
HETATM 5979	O	WAT	890	14.851	6.346	25.090	-0.834000
HETATM 5980	H1	WAT	890	15.088	6.806	25.895	0.417000
HETATM 5981	H2	WAT	890	14.105	5.800	25.336	0.417000
HETATM 5982	O	WAT	891	28.577	11.406	-12.254	-0.834000
HETATM 5983	H1	WAT	891	29.445	11.003	-12.265	0.417000
HETATM 5984	H2	WAT	891	28.052	10.858	-12.838	0.417000
HETATM 5985	O	WAT	892	-13.369	-8.589	29.133	-0.834000
HETATM 5986	H1	WAT	892	-14.161	-8.910	29.564	0.417000
HETATM 5987	H2	WAT	892	-13.194	-9.230	28.445	0.417000
HETATM 5988	O	WAT	893	-13.937	4.186	-20.603	-0.834000
HETATM 5989	H1	WAT	893	-14.550	4.877	-20.852	0.417000
HETATM 5990	H2	WAT	893	-13.083	4.509	-20.888	0.417000
HETATM 5991	O	WAT	894	-2.302	-15.925	27.115	-0.834000
HETATM 5992	H1	WAT	894	-2.916	-16.610	27.379	0.417000
HETATM 5993	H2	WAT	894	-1.662	-15.889	27.826	0.417000
HETATM 5994	O	WAT	895	-6.794	-25.473	16.672	-0.834000
HETATM 5995	H1	WAT	895	-6.560	-24.780	17.290	0.417000
HETATM 5996	H2	WAT	895	-6.090	-25.465	16.024	0.417000
HETATM 5997	O	WAT	896	13.853	-18.821	5.138	-0.834000
HETATM 5998	H1	WAT	896	14.424	-19.018	5.881	0.417000
HETATM 5999	H2	WAT	896	12.966	-18.902	5.489	0.417000
HETATM 6000	O	WAT	897	-27.703	2.340	-13.938	-0.834000
HETATM 6001	H1	WAT	897	-27.116	2.690	-14.609	0.417000
HETATM 6002	H2	WAT	897	-28.461	2.924	-13.955	0.417000
HETATM 6003	O	WAT	898	22.021	14.610	-0.313	-0.834000
HETATM 6004	H1	WAT	898	21.366	14.079	-0.766	0.417000
HETATM 6005	H2	WAT	898	22.713	14.741	-0.961	0.417000
HETATM 6006	O	WAT	899	-9.627	-21.483	-17.219	-0.834000
HETATM 6007	H1	WAT	899	-9.887	-22.399	-17.119	0.417000
HETATM 6008	H2	WAT	899	-9.972	-21.050	-16.438	0.417000
HETATM 6009	O	WAT	900	15.884	-14.860	15.267	-0.834000
HETATM 6010	H1	WAT	900	15.799	-13.977	15.626	0.417000
HETATM 6011	H2	WAT	900	15.754	-14.750	14.325	0.417000
HETATM 6012	O	WAT	901	-1.386	31.951	-0.490	-0.834000
HETATM 6013	H1	WAT	901	-2.274	31.846	-0.831	0.417000
HETATM 6014	H2	WAT	901	-1.202	31.124	-0.044	0.417000
HETATM 6015	O	WAT	902	-16.839	-10.294	-23.544	-0.834000
HETATM 6016	H1	WAT	902	-17.432	-10.202	-24.289	0.417000
HETATM 6017	H2	WAT	902	-16.385	-9.452	-23.494	0.417000

HETATM 6018	O	WAT	903	5.259	18.938	21.220	-0.834000
HETATM 6019	H1	WAT	903	4.841	19.248	20.416	0.417000
HETATM 6020	H2	WAT	903	5.744	18.158	20.951	0.417000
HETATM 6021	O	WAT	904	1.265	-14.633	25.069	-0.834000
HETATM 6022	H1	WAT	904	1.958	-14.143	24.628	0.417000
HETATM 6023	H2	WAT	904	1.009	-15.306	24.439	0.417000
HETATM 6024	O	WAT	905	2.535	30.929	-3.308	-0.834000
HETATM 6025	H1	WAT	905	2.234	30.847	-2.403	0.417000
HETATM 6026	H2	WAT	905	1.731	30.994	-3.823	0.417000
HETATM 6027	O	WAT	906	-18.479	0.806	26.295	-0.834000
HETATM 6028	H1	WAT	906	-19.302	0.734	25.813	0.417000
HETATM 6029	H2	WAT	906	-18.709	0.585	27.198	0.417000
HETATM 6030	O	WAT	907	1.628	-20.910	27.070	-0.834000
HETATM 6031	H1	WAT	907	1.711	-20.556	27.955	0.417000
HETATM 6032	H2	WAT	907	2.321	-21.568	27.009	0.417000
HETATM 6033	O	WAT	908	-4.591	32.324	-8.430	-0.834000
HETATM 6034	H1	WAT	908	-5.528	32.460	-8.295	0.417000
HETATM 6035	H2	WAT	908	-4.227	32.268	-7.546	0.417000
HETATM 6036	O	WAT	909	-11.891	21.521	-8.898	-0.834000
HETATM 6037	H1	WAT	909	-11.207	21.000	-8.477	0.417000
HETATM 6038	H2	WAT	909	-12.667	20.961	-8.874	0.417000
HETATM 6039	O	WAT	910	13.984	23.554	1.833	-0.834000
HETATM 6040	H1	WAT	910	14.408	24.002	2.565	0.417000
HETATM 6041	H2	WAT	910	13.361	24.194	1.489	0.417000
HETATM 6042	O	WAT	911	-2.377	-9.817	29.865	-0.834000
HETATM 6043	H1	WAT	911	-1.895	-8.992	29.802	0.417000
HETATM 6044	H2	WAT	911	-2.189	-10.267	29.041	0.417000
HETATM 6045	O	WAT	912	11.064	-9.336	-22.624	-0.834000
HETATM 6046	H1	WAT	912	10.876	-9.830	-23.422	0.417000
HETATM 6047	H2	WAT	912	10.278	-8.809	-22.477	0.417000
HETATM 6048	O	WAT	913	-6.058	-25.165	-8.619	-0.834000
HETATM 6049	H1	WAT	913	-5.476	-24.792	-9.281	0.417000
HETATM 6050	H2	WAT	913	-6.925	-25.146	-9.024	0.417000
HETATM 6051	O	WAT	914	-7.120	1.071	-25.247	-0.834000
HETATM 6052	H1	WAT	914	-6.316	0.559	-25.334	0.417000
HETATM 6053	H2	WAT	914	-6.895	1.767	-24.630	0.417000
HETATM 6054	O	WAT	915	15.682	4.499	12.034	-0.834000
HETATM 6055	H1	WAT	915	15.382	4.772	11.167	0.417000
HETATM 6056	H2	WAT	915	15.292	3.634	12.161	0.417000
HETATM 6057	O	WAT	916	-10.833	18.859	22.188	-0.834000
HETATM 6058	H1	WAT	916	-10.208	18.156	22.011	0.417000
HETATM 6059	H2	WAT	916	-11.692	18.452	22.070	0.417000
HETATM 6060	O	WAT	917	22.977	10.489	10.738	-0.834000
HETATM 6061	H1	WAT	917	22.521	9.821	11.251	0.417000
HETATM 6062	H2	WAT	917	23.748	10.708	11.262	0.417000
HETATM 6063	O	WAT	918	-19.692	-15.110	7.655	-0.834000
HETATM 6064	H1	WAT	918	-19.452	-15.794	8.279	0.417000
HETATM 6065	H2	WAT	918	-19.655	-15.540	6.801	0.417000
HETATM 6066	O	WAT	919	13.168	1.032	30.436	-0.834000
HETATM 6067	H1	WAT	919	13.830	1.641	30.109	0.417000
HETATM 6068	H2	WAT	919	12.334	1.425	30.178	0.417000
HETATM 6069	O	WAT	920	19.550	2.560	-21.928	-0.834000
HETATM 6070	H1	WAT	920	20.053	3.373	-21.879	0.417000
HETATM 6071	H2	WAT	920	18.833	2.759	-22.530	0.417000
HETATM 6072	O	WAT	921	7.855	-10.212	13.972	-0.834000
HETATM 6073	H1	WAT	921	7.216	-9.890	13.335	0.417000
HETATM 6074	H2	WAT	921	7.587	-11.114	14.144	0.417000
HETATM 6075	O	WAT	922	28.098	3.874	-11.024	-0.834000
HETATM 6076	H1	WAT	922	28.939	4.248	-10.762	0.417000
HETATM 6077	H2	WAT	922	27.990	3.109	-10.458	0.417000
HETATM 6078	O	WAT	923	-9.750	-14.427	22.958	-0.834000
HETATM 6079	H1	WAT	923	-9.651	-14.938	23.762	0.417000
HETATM 6080	H2	WAT	923	-10.546	-13.914	23.096	0.417000
HETATM 6081	O	WAT	924	20.556	-2.112	21.111	-0.834000
HETATM 6082	H1	WAT	924	20.216	-1.384	21.632	0.417000
HETATM 6083	H2	WAT	924	20.080	-2.056	20.283	0.417000
HETATM 6084	O	WAT	925	4.561	-16.552	-23.690	-0.834000
HETATM 6085	H1	WAT	925	4.488	-17.429	-24.067	0.417000
HETATM 6086	H2	WAT	925	5.053	-16.680	-22.880	0.417000
HETATM 6087	O	WAT	926	-11.568	-18.034	21.390	-0.834000

HETATM 6088	H1	WAT	926	-11.747	-18.551	20.604	0.417000
HETATM 6089	H2	WAT	926	-12.433	-17.781	21.712	0.417000
HETATM 6090	O	WAT	927	-11.428	25.609	-16.942	-0.834000
HETATM 6091	H1	WAT	927	-11.598	25.193	-17.787	0.417000
HETATM 6092	H2	WAT	927	-11.078	24.906	-16.395	0.417000
HETATM 6093	O	WAT	928	24.213	-5.592	11.435	-0.834000
HETATM 6094	H1	WAT	928	24.593	-5.761	10.574	0.417000
HETATM 6095	H2	WAT	928	23.396	-6.091	11.438	0.417000
HETATM 6096	O	WAT	929	12.013	31.297	8.839	-0.834000
HETATM 6097	H1	WAT	929	11.686	31.227	9.736	0.417000
HETATM 6098	H2	WAT	929	12.600	32.053	8.857	0.417000
HETATM 6099	O	WAT	930	3.943	21.200	-16.015	-0.834000
HETATM 6100	H1	WAT	930	4.877	21.137	-15.814	0.417000
HETATM 6101	H2	WAT	930	3.905	21.232	-16.971	0.417000
HETATM 6102	O	WAT	931	-8.508	-13.279	-8.088	-0.834000
HETATM 6103	H1	WAT	931	-9.170	-13.183	-8.773	0.417000
HETATM 6104	H2	WAT	931	-7.674	-13.265	-8.558	0.417000
HETATM 6105	O	WAT	932	-13.445	-17.138	16.239	-0.834000
HETATM 6106	H1	WAT	932	-13.949	-16.325	16.287	0.417000
HETATM 6107	H2	WAT	932	-14.012	-17.795	16.643	0.417000
HETATM 6108	O	WAT	933	-23.513	-10.872	-19.560	-0.834000
HETATM 6109	H1	WAT	933	-23.432	-11.045	-20.498	0.417000
HETATM 6110	H2	WAT	933	-23.777	-9.953	-19.508	0.417000
HETATM 6111	O	WAT	934	15.980	-10.557	18.322	-0.834000
HETATM 6112	H1	WAT	934	15.486	-9.764	18.530	0.417000
HETATM 6113	H2	WAT	934	16.841	-10.238	18.052	0.417000
HETATM 6114	O	WAT	935	-2.386	-33.816	-0.288	-0.834000
HETATM 6115	H1	WAT	935	-3.075	-34.461	-0.446	0.417000
HETATM 6116	H2	WAT	935	-1.857	-33.831	-1.085	0.417000
HETATM 6117	O	WAT	936	8.462	27.206	1.783	-0.834000
HETATM 6118	H1	WAT	936	8.265	26.422	1.271	0.417000
HETATM 6119	H2	WAT	936	9.418	27.263	1.775	0.417000
HETATM 6120	O	WAT	937	0.554	-25.699	-14.626	-0.834000
HETATM 6121	H1	WAT	937	-0.046	-26.165	-14.044	0.417000
HETATM 6122	H2	WAT	937	0.889	-26.375	-15.215	0.417000
HETATM 6123	O	WAT	938	10.716	22.436	-5.011	-0.834000
HETATM 6124	H1	WAT	938	10.536	22.846	-5.857	0.417000
HETATM 6125	H2	WAT	938	11.110	21.592	-5.233	0.417000
HETATM 6126	O	WAT	939	6.197	-12.153	-25.205	-0.834000
HETATM 6127	H1	WAT	939	6.001	-11.908	-24.301	0.417000
HETATM 6128	H2	WAT	939	5.858	-13.044	-25.290	0.417000
HETATM 6129	O	WAT	940	13.737	1.455	-32.210	-0.834000
HETATM 6130	H1	WAT	940	12.984	1.553	-31.626	0.417000
HETATM 6131	H2	WAT	940	14.007	2.352	-32.406	0.417000
HETATM 6132	O	WAT	941	-16.767	-0.229	-4.537	-0.834000
HETATM 6133	H1	WAT	941	-17.083	-0.406	-5.423	0.417000
HETATM 6134	H2	WAT	941	-16.115	0.462	-4.648	0.417000
HETATM 6135	O	WAT	942	-24.609	25.426	-5.902	-0.834000
HETATM 6136	H1	WAT	942	-25.008	25.876	-5.157	0.417000
HETATM 6137	H2	WAT	942	-23.942	24.862	-5.511	0.417000
HETATM 6138	O	WAT	943	-9.122	19.505	-14.100	-0.834000
HETATM 6139	H1	WAT	943	-9.091	19.421	-13.147	0.417000
HETATM 6140	H2	WAT	943	-8.939	20.430	-14.264	0.417000
HETATM 6141	O	WAT	944	19.168	-21.927	-12.804	-0.834000
HETATM 6142	H1	WAT	944	19.208	-21.509	-11.944	0.417000
HETATM 6143	H2	WAT	944	19.816	-22.630	-12.759	0.417000
HETATM 6144	O	WAT	945	-20.462	2.619	-15.420	-0.834000
HETATM 6145	H1	WAT	945	-21.220	2.084	-15.654	0.417000
HETATM 6146	H2	WAT	945	-20.799	3.244	-14.778	0.417000
HETATM 6147	O	WAT	946	-8.612	-29.699	10.851	-0.834000
HETATM 6148	H1	WAT	946	-9.457	-29.679	11.300	0.417000
HETATM 6149	H2	WAT	946	-8.830	-29.886	9.938	0.417000
HETATM 6150	O	WAT	947	14.918	2.847	29.207	-0.834000
HETATM 6151	H1	WAT	947	14.510	3.689	29.005	0.417000
HETATM 6152	H2	WAT	947	15.245	2.531	28.364	0.417000
HETATM 6153	O	WAT	948	-3.871	-27.217	6.590	-0.834000
HETATM 6154	H1	WAT	948	-3.121	-27.338	6.008	0.417000
HETATM 6155	H2	WAT	948	-4.632	-27.425	6.048	0.417000
HETATM 6156	O	WAT	949	14.899	-13.656	-21.665	-0.834000
HETATM 6157	H1	WAT	949	14.598	-13.758	-22.568	0.417000

HETATM 6158	H2	WAT	949	15.013	-12.712	-21.556	0.417000
HETATM 6159	O	WAT	950	25.330	23.992	-1.330	-0.834000
HETATM 6160	H1	WAT	950	24.396	23.792	-1.401	0.417000
HETATM 6161	H2	WAT	950	25.712	23.211	-0.930	0.417000
HETATM 6162	O	WAT	951	-2.932	-27.470	-2.809	-0.834000
HETATM 6163	H1	WAT	951	-3.257	-26.885	-2.125	0.417000
HETATM 6164	H2	WAT	951	-3.692	-28.000	-3.051	0.417000
HETATM 6165	O	WAT	952	-25.700	4.169	-19.766	-0.834000
HETATM 6166	H1	WAT	952	-26.418	4.194	-19.134	0.417000
HETATM 6167	H2	WAT	952	-25.698	3.269	-20.091	0.417000
HETATM 6168	O	WAT	953	-13.379	-12.727	-30.780	-0.834000
HETATM 6169	H1	WAT	953	-12.628	-13.044	-31.282	0.417000
HETATM 6170	H2	WAT	953	-13.067	-12.692	-29.876	0.417000
HETATM 6171	O	WAT	954	-11.775	2.047	26.816	-0.834000
HETATM 6172	H1	WAT	954	-11.098	2.569	26.387	0.417000
HETATM 6173	H2	WAT	954	-11.784	2.361	27.720	0.417000
HETATM 6174	O	WAT	955	-25.207	4.103	-10.100	-0.834000
HETATM 6175	H1	WAT	955	-25.779	3.530	-10.609	0.417000
HETATM 6176	H2	WAT	955	-25.070	3.634	-9.276	0.417000
HETATM 6177	O	WAT	956	-26.817	19.444	2.289	-0.834000
HETATM 6178	H1	WAT	956	-26.134	20.065	2.034	0.417000
HETATM 6179	H2	WAT	956	-26.704	19.338	3.233	0.417000
HETATM 6180	O	WAT	957	-16.806	18.063	-7.535	-0.834000
HETATM 6181	H1	WAT	957	-17.335	18.568	-8.152	0.417000
HETATM 6182	H2	WAT	957	-17.036	18.418	-6.676	0.417000
HETATM 6183	O	WAT	958	-7.685	-19.023	-8.963	-0.834000
HETATM 6184	H1	WAT	958	-7.371	-18.799	-9.839	0.417000
HETATM 6185	H2	WAT	958	-6.888	-19.154	-8.449	0.417000
HETATM 6186	O	WAT	959	-27.608	-4.645	-18.541	-0.834000
HETATM 6187	H1	WAT	959	-27.757	-4.608	-19.486	0.417000
HETATM 6188	H2	WAT	959	-26.657	-4.701	-18.451	0.417000
HETATM 6189	O	WAT	960	13.035	19.794	-17.199	-0.834000
HETATM 6190	H1	WAT	960	13.296	20.207	-16.376	0.417000
HETATM 6191	H2	WAT	960	12.121	20.053	-17.317	0.417000
HETATM 6192	O	WAT	961	6.821	14.770	-12.347	-0.834000
HETATM 6193	H1	WAT	961	6.914	15.010	-13.269	0.417000
HETATM 6194	H2	WAT	961	6.150	14.087	-12.344	0.417000
HETATM 6195	O	WAT	962	-11.743	-28.208	1.470	-0.834000
HETATM 6196	H1	WAT	962	-11.238	-27.486	1.096	0.417000
HETATM 6197	H2	WAT	962	-12.559	-27.802	1.765	0.417000
HETATM 6198	O	WAT	963	-10.204	-24.164	18.143	-0.834000
HETATM 6199	H1	WAT	963	-10.294	-25.100	18.324	0.417000
HETATM 6200	H2	WAT	963	-9.850	-24.125	17.255	0.417000
HETATM 6201	O	WAT	964	-15.694	12.856	-12.965	-0.834000
HETATM 6202	H1	WAT	964	-15.106	12.266	-13.434	0.417000
HETATM 6203	H2	WAT	964	-15.324	13.727	-13.107	0.417000
HETATM 6204	O	WAT	965	2.322	28.486	21.097	-0.834000
HETATM 6205	H1	WAT	965	3.235	28.653	20.862	0.417000
HETATM 6206	H2	WAT	965	2.260	27.532	21.149	0.417000
HETATM 6207	O	WAT	966	-27.089	21.387	-4.316	-0.834000
HETATM 6208	H1	WAT	966	-27.696	20.765	-3.917	0.417000
HETATM 6209	H2	WAT	966	-26.423	21.537	-3.644	0.417000
HETATM 6210	O	WAT	967	24.510	1.329	17.324	-0.834000
HETATM 6211	H1	WAT	967	23.589	1.574	17.418	0.417000
HETATM 6212	H2	WAT	967	24.539	0.406	17.577	0.417000
HETATM 6213	O	WAT	968	-20.274	-13.709	11.691	-0.834000
HETATM 6214	H1	WAT	968	-20.008	-14.034	12.551	0.417000
HETATM 6215	H2	WAT	968	-20.643	-14.474	11.249	0.417000
HETATM 6216	O	WAT	969	19.840	14.942	-3.730	-0.834000
HETATM 6217	H1	WAT	969	19.137	15.585	-3.826	0.417000
HETATM 6218	H2	WAT	969	20.631	15.469	-3.617	0.417000
HETATM 6219	O	WAT	970	-8.491	2.560	-27.205	-0.834000
HETATM 6220	H1	WAT	970	-8.321	3.415	-26.809	0.417000
HETATM 6221	H2	WAT	970	-8.002	1.943	-26.660	0.417000
HETATM 6222	O	WAT	971	25.889	7.764	-9.287	-0.834000
HETATM 6223	H1	WAT	971	25.136	7.477	-8.770	0.417000
HETATM 6224	H2	WAT	971	25.977	7.100	-9.971	0.417000
HETATM 6225	O	WAT	972	24.546	18.134	6.040	-0.834000
HETATM 6226	H1	WAT	972	25.349	18.176	6.560	0.417000
HETATM 6227	H2	WAT	972	24.252	17.227	6.129	0.417000

HETATM 6228	O	WAT	973	6.227	16.717	-7.537	-0.834000
HETATM 6229	H1	WAT	973	7.153	16.911	-7.389	0.417000
HETATM 6230	H2	WAT	973	6.153	16.612	-8.485	0.417000
HETATM 6231	O	WAT	974	3.173	27.695	-13.777	-0.834000
HETATM 6232	H1	WAT	974	3.087	28.065	-12.899	0.417000
HETATM 6233	H2	WAT	974	3.060	28.441	-14.365	0.417000
HETATM 6234	O	WAT	975	12.718	29.216	0.806	-0.834000
HETATM 6235	H1	WAT	975	12.535	30.141	0.638	0.417000
HETATM 6236	H2	WAT	975	12.952	28.859	-0.051	0.417000
HETATM 6237	O	WAT	976	-17.523	-5.626	-15.483	-0.834000
HETATM 6238	H1	WAT	976	-17.864	-5.046	-16.164	0.417000
HETATM 6239	H2	WAT	976	-17.317	-5.043	-14.753	0.417000
HETATM 6240	O	WAT	977	-34.112	5.974	-7.999	-0.834000
HETATM 6241	H1	WAT	977	-34.460	5.248	-7.482	0.417000
HETATM 6242	H2	WAT	977	-33.577	6.473	-7.382	0.417000
HETATM 6243	O	WAT	978	7.916	32.037	9.159	-0.834000
HETATM 6244	H1	WAT	978	6.978	32.226	9.127	0.417000
HETATM 6245	H2	WAT	978	8.323	32.878	9.367	0.417000
HETATM 6246	O	WAT	979	29.303	-16.563	-6.088	-0.834000
HETATM 6247	H1	WAT	979	29.701	-16.360	-6.935	0.417000
HETATM 6248	H2	WAT	979	29.957	-17.095	-5.637	0.417000
HETATM 6249	O	WAT	980	6.983	-14.438	16.542	-0.834000
HETATM 6250	H1	WAT	980	7.329	-14.396	17.433	0.417000
HETATM 6251	H2	WAT	980	6.047	-14.264	16.639	0.417000
HETATM 6252	O	WAT	981	20.673	-6.879	-20.206	-0.834000
HETATM 6253	H1	WAT	981	21.417	-6.580	-20.729	0.417000
HETATM 6254	H2	WAT	981	20.161	-6.087	-20.042	0.417000
HETATM 6255	O	WAT	982	29.735	17.442	-3.825	-0.834000
HETATM 6256	H1	WAT	982	30.172	18.176	-4.257	0.417000
HETATM 6257	H2	WAT	982	29.593	17.743	-2.928	0.417000
HETATM 6258	O	WAT	983	-23.402	-19.622	-13.997	-0.834000
HETATM 6259	H1	WAT	983	-22.596	-19.550	-13.484	0.417000
HETATM 6260	H2	WAT	983	-24.100	-19.415	-13.376	0.417000
HETATM 6261	O	WAT	984	9.331	15.248	-21.493	-0.834000
HETATM 6262	H1	WAT	984	9.865	14.568	-21.083	0.417000
HETATM 6263	H2	WAT	984	9.636	15.278	-22.399	0.417000
HETATM 6264	O	WAT	985	26.586	-1.650	21.285	-0.834000
HETATM 6265	H1	WAT	985	25.717	-1.258	21.364	0.417000
HETATM 6266	H2	WAT	985	26.873	-1.422	20.401	0.417000
HETATM 6267	O	WAT	986	-19.866	7.754	1.864	-0.834000
HETATM 6268	H1	WAT	986	-20.077	6.956	2.349	0.417000
HETATM 6269	H2	WAT	986	-19.909	7.494	0.944	0.417000
HETATM 6270	O	WAT	987	3.782	3.164	18.788	-0.834000
HETATM 6271	H1	WAT	987	2.848	2.972	18.699	0.417000
HETATM 6272	H2	WAT	987	3.823	3.855	19.449	0.417000
HETATM 6273	O	WAT	988	22.562	-2.389	15.952	-0.834000
HETATM 6274	H1	WAT	988	21.654	-2.463	16.245	0.417000
HETATM 6275	H2	WAT	988	22.814	-3.284	15.725	0.417000
HETATM 6276	O	WAT	989	-13.987	21.490	19.885	-0.834000
HETATM 6277	H1	WAT	989	-14.000	20.563	19.647	0.417000
HETATM 6278	H2	WAT	989	-14.375	21.519	20.759	0.417000
HETATM 6279	O	WAT	990	11.782	27.411	18.584	-0.834000
HETATM 6280	H1	WAT	990	12.368	27.141	17.877	0.417000
HETATM 6281	H2	WAT	990	10.917	27.111	18.306	0.417000
HETATM 6282	O	WAT	991	-9.867	24.641	-6.636	-0.834000
HETATM 6283	H1	WAT	991	-9.819	24.638	-5.680	0.417000
HETATM 6284	H2	WAT	991	-10.761	24.360	-6.832	0.417000
HETATM 6285	O	WAT	992	-3.013	-15.170	15.593	-0.834000
HETATM 6286	H1	WAT	992	-2.828	-14.727	14.765	0.417000
HETATM 6287	H2	WAT	992	-2.667	-14.581	16.263	0.417000
HETATM 6288	O	WAT	993	-5.926	16.182	-26.987	-0.834000
HETATM 6289	H1	WAT	993	-5.177	16.755	-26.826	0.417000
HETATM 6290	H2	WAT	993	-5.688	15.354	-26.570	0.417000
HETATM 6291	O	WAT	994	33.247	7.935	-2.468	-0.834000
HETATM 6292	H1	WAT	994	32.452	7.564	-2.087	0.417000
HETATM 6293	H2	WAT	994	33.079	8.877	-2.503	0.417000
HETATM 6294	O	WAT	995	-4.597	-24.329	20.464	-0.834000
HETATM 6295	H1	WAT	995	-4.125	-24.065	21.253	0.417000
HETATM 6296	H2	WAT	995	-5.187	-25.023	20.758	0.417000
HETATM 6297	O	WAT	996	-19.244	-15.091	-19.662	-0.834000

HETATM 6298	H1	WAT	996	-18.785	-15.874	-19.357	0.417000
HETATM 6299	H2	WAT	996	-20.158	-15.364	-19.740	0.417000
HETATM 6300	O	WAT	997	-25.579	1.559	-20.824	-0.834000
HETATM 6301	H1	WAT	997	-25.941	1.350	-21.686	0.417000
HETATM 6302	H2	WAT	997	-26.295	1.381	-20.214	0.417000
HETATM 6303	O	WAT	998	7.277	-30.612	9.070	-0.834000
HETATM 6304	H1	WAT	998	6.728	-31.236	8.595	0.417000
HETATM 6305	H2	WAT	998	7.237	-30.904	9.981	0.417000
HETATM 6306	O	WAT	999	-7.537	-27.823	15.209	-0.834000
HETATM 6307	H1	WAT	999	-7.425	-27.023	15.722	0.417000
HETATM 6308	H2	WAT	999	-7.058	-27.656	14.397	0.417000
HETATM 6309	O	WAT	1000	3.832	-22.971	-4.351	-0.834000
HETATM 6310	H1	WAT	1000	4.428	-23.403	-4.963	0.417000
HETATM 6311	H2	WAT	1000	4.128	-23.258	-3.487	0.417000
HETATM 6312	O	WAT	1001	-2.619	14.359	30.112	-0.834000
HETATM 6313	H1	WAT	1001	-3.297	14.837	30.590	0.417000
HETATM 6314	H2	WAT	1001	-3.100	13.715	29.593	0.417000
HETATM 6315	O	WAT	1002	3.260	14.261	-10.408	-0.834000
HETATM 6316	H1	WAT	1002	3.847	13.730	-10.946	0.417000
HETATM 6317	H2	WAT	1002	3.405	15.158	-10.709	0.417000
HETATM 6318	O	WAT	1003	23.181	-15.125	-17.432	-0.834000
HETATM 6319	H1	WAT	1003	22.533	-14.434	-17.572	0.417000
HETATM 6320	H2	WAT	1003	23.242	-15.207	-16.481	0.417000
HETATM 6321	O	WAT	1004	-13.742	-4.830	-17.734	-0.834000
HETATM 6322	H1	WAT	1004	-12.974	-5.401	-17.760	0.417000
HETATM 6323	H2	WAT	1004	-13.408	-3.994	-17.409	0.417000
HETATM 6324	O	WAT	1005	-27.699	3.141	14.174	-0.834000
HETATM 6325	H1	WAT	1005	-27.973	2.639	13.406	0.417000
HETATM 6326	H2	WAT	1005	-27.252	3.906	13.812	0.417000
HETATM 6327	O	WAT	1006	4.850	16.359	28.916	-0.834000
HETATM 6328	H1	WAT	1006	5.203	17.133	28.478	0.417000
HETATM 6329	H2	WAT	1006	5.510	15.681	28.772	0.417000
HETATM 6330	O	WAT	1007	-1.170	-23.476	-19.006	-0.834000
HETATM 6331	H1	WAT	1007	-0.991	-23.616	-18.077	0.417000
HETATM 6332	H2	WAT	1007	-0.726	-22.654	-19.214	0.417000
HETATM 6333	O	WAT	1008	-5.907	4.939	-27.456	-0.834000
HETATM 6334	H1	WAT	1008	-6.300	4.777	-28.313	0.417000
HETATM 6335	H2	WAT	1008	-5.198	4.299	-27.393	0.417000
HETATM 6336	O	WAT	1009	19.093	18.889	-6.044	-0.834000
HETATM 6337	H1	WAT	1009	18.407	19.084	-5.406	0.417000
HETATM 6338	H2	WAT	1009	19.881	18.758	-5.517	0.417000
HETATM 6339	O	WAT	1010	-26.036	-6.626	17.498	-0.834000
HETATM 6340	H1	WAT	1010	-25.319	-6.549	18.127	0.417000
HETATM 6341	H2	WAT	1010	-26.802	-6.838	18.032	0.417000
HETATM 6342	O	WAT	1011	27.408	3.919	-17.528	-0.834000
HETATM 6343	H1	WAT	1011	27.204	4.334	-16.689	0.417000
HETATM 6344	H2	WAT	1011	27.244	4.602	-18.179	0.417000
HETATM 6345	O	WAT	1012	-25.524	-8.986	6.529	-0.834000
HETATM 6346	H1	WAT	1012	-26.406	-9.337	6.656	0.417000
HETATM 6347	H2	WAT	1012	-25.629	-8.312	5.858	0.417000
HETATM 6348	O	WAT	1013	26.184	15.686	0.066	-0.834000
HETATM 6349	H1	WAT	1013	26.136	15.396	0.977	0.417000
HETATM 6350	H2	WAT	1013	26.727	15.027	-0.367	0.417000
HETATM 6351	O	WAT	1014	-1.891	-20.344	21.525	-0.834000
HETATM 6352	H1	WAT	1014	-2.215	-20.858	20.786	0.417000
HETATM 6353	H2	WAT	1014	-1.547	-20.995	22.137	0.417000
HETATM 6354	O	WAT	1015	-13.388	10.327	-20.230	-0.834000
HETATM 6355	H1	WAT	1015	-12.759	10.137	-20.926	0.417000
HETATM 6356	H2	WAT	1015	-13.762	11.175	-20.471	0.417000
HETATM 6357	O	WAT	1016	-5.529	17.230	2.751	-0.834000
HETATM 6358	H1	WAT	1016	-5.265	17.089	3.660	0.417000
HETATM 6359	H2	WAT	1016	-6.375	17.674	2.813	0.417000
HETATM 6360	O	WAT	1017	-14.016	-4.448	26.449	-0.834000
HETATM 6361	H1	WAT	1017	-13.833	-4.997	27.212	0.417000
HETATM 6362	H2	WAT	1017	-13.614	-4.915	25.716	0.417000
HETATM 6363	O	WAT	1018	12.211	10.209	-23.647	-0.834000
HETATM 6364	H1	WAT	1018	11.311	9.886	-23.608	0.417000
HETATM 6365	H2	WAT	1018	12.638	9.650	-24.297	0.417000
HETATM 6366	O	WAT	1019	-8.958	14.949	-22.921	-0.834000
HETATM 6367	H1	WAT	1019	-9.838	15.277	-22.739	0.417000

HETATM 6368	H2	WAT	1019	-9.091	14.242	-23.552	0.417000
HETATM 6369	O	WAT	1020	22.756	0.604	26.343	-0.834000
HETATM 6370	H1	WAT	1020	22.613	-0.024	27.052	0.417000
HETATM 6371	H2	WAT	1020	23.053	1.399	26.785	0.417000
HETATM 6372	O	WAT	1021	12.121	16.837	0.775	-0.834000
HETATM 6373	H1	WAT	1021	12.532	16.475	-0.010	0.417000
HETATM 6374	H2	WAT	1021	12.761	16.689	1.470	0.417000
HETATM 6375	O	WAT	1022	-25.502	-22.496	0.881	-0.834000
HETATM 6376	H1	WAT	1022	-26.376	-22.136	1.032	0.417000
HETATM 6377	H2	WAT	1022	-25.402	-23.173	1.549	0.417000
HETATM 6378	O	WAT	1023	7.922	-9.887	19.071	-0.834000
HETATM 6379	H1	WAT	1023	8.819	-9.971	19.392	0.417000
HETATM 6380	H2	WAT	1023	7.523	-10.739	19.251	0.417000
HETATM 6381	O	WAT	1024	-16.381	3.434	27.936	-0.834000
HETATM 6382	H1	WAT	1024	-16.042	4.326	27.860	0.417000
HETATM 6383	H2	WAT	1024	-15.800	2.910	27.384	0.417000
HETATM 6384	O	WAT	1025	3.328	-34.128	1.371	-0.834000
HETATM 6385	H1	WAT	1025	4.070	-33.588	1.098	0.417000
HETATM 6386	H2	WAT	1025	3.551	-34.409	2.259	0.417000
HETATM 6387	O	WAT	1026	-13.534	-22.469	-13.296	-0.834000
HETATM 6388	H1	WAT	1026	-14.351	-22.556	-12.806	0.417000
HETATM 6389	H2	WAT	1026	-12.860	-22.790	-12.698	0.417000
HETATM 6390	O	WAT	1027	14.917	-9.957	-16.698	-0.834000
HETATM 6391	H1	WAT	1027	14.579	-10.607	-16.083	0.417000
HETATM 6392	H2	WAT	1027	15.532	-9.435	-16.181	0.417000
HETATM 6393	O	WAT	1028	23.302	9.420	-6.117	-0.834000
HETATM 6394	H1	WAT	1028	23.530	9.469	-5.188	0.417000
HETATM 6395	H2	WAT	1028	23.745	10.172	-6.511	0.417000
HETATM 6396	O	WAT	1029	6.447	-23.488	19.802	-0.834000
HETATM 6397	H1	WAT	1029	5.942	-23.876	20.516	0.417000
HETATM 6398	H2	WAT	1029	7.288	-23.262	20.198	0.417000
HETATM 6399	O	WAT	1030	8.027	-14.554	19.081	-0.834000
HETATM 6400	H1	WAT	1030	8.896	-14.401	19.454	0.417000
HETATM 6401	H2	WAT	1030	7.734	-15.371	19.485	0.417000
HETATM 6402	O	WAT	1031	-1.063	18.361	-26.351	-0.834000
HETATM 6403	H1	WAT	1031	-0.828	18.248	-25.430	0.417000
HETATM 6404	H2	WAT	1031	-0.912	19.290	-26.524	0.417000
HETATM 6405	O	WAT	1032	-32.085	3.019	14.315	-0.834000
HETATM 6406	H1	WAT	1032	-32.799	2.769	14.901	0.417000
HETATM 6407	H2	WAT	1032	-31.827	2.202	13.890	0.417000
HETATM 6408	O	WAT	1033	31.269	-0.254	0.456	-0.834000
HETATM 6409	H1	WAT	1033	30.816	-0.182	1.296	0.417000
HETATM 6410	H2	WAT	1033	30.730	-0.855	-0.057	0.417000
HETATM 6411	O	WAT	1034	27.682	8.399	8.883	-0.834000
HETATM 6412	H1	WAT	1034	27.465	9.252	9.260	0.417000
HETATM 6413	H2	WAT	1034	26.969	8.220	8.269	0.417000
HETATM 6414	O	WAT	1035	2.798	-12.013	14.979	-0.834000
HETATM 6415	H1	WAT	1035	2.362	-12.166	14.141	0.417000
HETATM 6416	H2	WAT	1035	3.358	-11.253	14.823	0.417000
HETATM 6417	O	WAT	1036	4.613	-28.697	15.396	-0.834000
HETATM 6418	H1	WAT	1036	4.296	-27.931	14.918	0.417000
HETATM 6419	H2	WAT	1036	5.565	-28.662	15.300	0.417000
HETATM 6420	O	WAT	1037	20.274	20.980	0.819	-0.834000
HETATM 6421	H1	WAT	1037	20.059	20.092	1.104	0.417000
HETATM 6422	H2	WAT	1037	20.618	20.870	-0.068	0.417000
HETATM 6423	O	WAT	1038	-17.252	-18.636	13.466	-0.834000
HETATM 6424	H1	WAT	1038	-16.481	-18.976	13.013	0.417000
HETATM 6425	H2	WAT	1038	-17.934	-19.287	13.300	0.417000
HETATM 6426	O	WAT	1039	-6.912	-15.003	31.076	-0.834000
HETATM 6427	H1	WAT	1039	-6.058	-14.765	30.715	0.417000
HETATM 6428	H2	WAT	1039	-7.092	-14.329	31.731	0.417000
HETATM 6429	O	WAT	1040	-5.281	-27.727	-7.885	-0.834000
HETATM 6430	H1	WAT	1040	-5.589	-26.886	-8.224	0.417000
HETATM 6431	H2	WAT	1040	-5.648	-27.778	-7.002	0.417000
HETATM 6432	O	WAT	1041	-2.006	-16.431	24.340	-0.834000
HETATM 6433	H1	WAT	1041	-2.500	-17.208	24.079	0.417000
HETATM 6434	H2	WAT	1041	-2.099	-16.396	25.292	0.417000
HETATM 6435	O	WAT	1042	2.982	-23.966	-10.208	-0.834000
HETATM 6436	H1	WAT	1042	3.378	-23.120	-10.417	0.417000
HETATM 6437	H2	WAT	1042	2.680	-24.304	-11.051	0.417000

HETATM 6438	O	WAT	1043	-1.417	28.892	3.435	-0.834000
HETATM 6439	H1	WAT	1043	-0.721	28.442	3.913	0.417000
HETATM 6440	H2	WAT	1043	-1.996	29.231	4.118	0.417000
HETATM 6441	O	WAT	1044	2.492	-18.341	-29.562	-0.834000
HETATM 6442	H1	WAT	1044	2.163	-17.442	-29.552	0.417000
HETATM 6443	H2	WAT	1044	3.437	-18.251	-29.439	0.417000
HETATM 6444	O	WAT	1045	-21.836	-1.767	21.330	-0.834000
HETATM 6445	H1	WAT	1045	-21.149	-1.507	21.944	0.417000
HETATM 6446	H2	WAT	1045	-22.607	-1.910	21.880	0.417000
HETATM 6447	O	WAT	1046	-25.632	3.412	-5.257	-0.834000
HETATM 6448	H1	WAT	1046	-26.200	4.183	-5.254	0.417000
HETATM 6449	H2	WAT	1046	-24.918	3.639	-4.661	0.417000
HETATM 6450	O	WAT	1047	-29.545	19.777	1.851	-0.834000
HETATM 6451	H1	WAT	1047	-28.596	19.784	1.981	0.417000
HETATM 6452	H2	WAT	1047	-29.837	18.964	2.264	0.417000
HETATM 6453	O	WAT	1048	17.528	4.343	19.179	-0.834000
HETATM 6454	H1	WAT	1048	16.685	4.167	18.761	0.417000
HETATM 6455	H2	WAT	1048	18.030	4.817	18.516	0.417000
HETATM 6456	O	WAT	1049	13.928	-21.727	-17.932	-0.834000
HETATM 6457	H1	WAT	1049	14.844	-21.618	-18.189	0.417000
HETATM 6458	H2	WAT	1049	13.854	-22.652	-17.697	0.417000
HETATM 6459	O	WAT	1050	-6.260	16.882	-17.747	-0.834000
HETATM 6460	H1	WAT	1050	-6.571	17.404	-17.007	0.417000
HETATM 6461	H2	WAT	1050	-5.996	17.529	-18.401	0.417000
HETATM 6462	O	WAT	1051	-10.217	-8.425	-7.755	-0.834000
HETATM 6463	H1	WAT	1051	-10.598	-8.092	-6.942	0.417000
HETATM 6464	H2	WAT	1051	-9.749	-9.218	-7.492	0.417000
HETATM 6465	O	WAT	1052	16.535	-6.562	-18.432	-0.834000
HETATM 6466	H1	WAT	1052	16.098	-6.876	-19.224	0.417000
HETATM 6467	H2	WAT	1052	16.574	-5.611	-18.542	0.417000
HETATM 6468	O	WAT	1053	-1.083	32.932	-9.650	-0.834000
HETATM 6469	H1	WAT	1053	-1.202	32.271	-10.333	0.417000
HETATM 6470	H2	WAT	1053	-1.826	33.526	-9.761	0.417000
HETATM 6471	O	WAT	1054	-6.133	-23.369	18.340	-0.834000
HETATM 6472	H1	WAT	1054	-6.902	-22.973	18.750	0.417000
HETATM 6473	H2	WAT	1054	-5.563	-23.601	19.074	0.417000
HETATM 6474	O	WAT	1055	12.572	10.976	-31.101	-0.834000
HETATM 6475	H1	WAT	1055	12.469	11.541	-31.866	0.417000
HETATM 6476	H2	WAT	1055	11.716	10.996	-30.672	0.417000
HETATM 6477	O	WAT	1056	-9.168	-29.204	2.115	-0.834000
HETATM 6478	H1	WAT	1056	-9.202	-28.755	2.959	0.417000
HETATM 6479	H2	WAT	1056	-10.044	-29.089	1.747	0.417000
HETATM 6480	O	WAT	1057	4.883	12.726	-12.307	-0.834000
HETATM 6481	H1	WAT	1057	4.394	12.580	-13.116	0.417000
HETATM 6482	H2	WAT	1057	5.529	12.019	-12.287	0.417000
HETATM 6483	O	WAT	1058	-9.903	25.435	0.216	-0.834000
HETATM 6484	H1	WAT	1058	-9.338	25.167	-0.508	0.417000
HETATM 6485	H2	WAT	1058	-10.055	26.368	0.070	0.417000
HETATM 6486	O	WAT	1059	25.868	13.141	-15.558	-0.834000
HETATM 6487	H1	WAT	1059	25.427	13.207	-16.405	0.417000
HETATM 6488	H2	WAT	1059	25.552	12.317	-15.187	0.417000
HETATM 6489	O	WAT	1060	-27.582	8.706	19.173	-0.834000
HETATM 6490	H1	WAT	1060	-27.247	8.368	20.004	0.417000
HETATM 6491	H2	WAT	1060	-26.798	8.879	18.651	0.417000
HETATM 6492	O	WAT	1061	-2.573	9.838	-24.433	-0.834000
HETATM 6493	H1	WAT	1061	-2.984	9.722	-25.290	0.417000
HETATM 6494	H2	WAT	1061	-3.300	10.035	-23.843	0.417000
HETATM 6495	O	WAT	1062	22.925	16.139	18.825	-0.834000
HETATM 6496	H1	WAT	1062	22.614	16.653	18.080	0.417000
HETATM 6497	H2	WAT	1062	22.152	15.661	19.126	0.417000
HETATM 6498	O	WAT	1063	15.772	-12.298	16.231	-0.834000
HETATM 6499	H1	WAT	1063	16.528	-11.975	15.740	0.417000
HETATM 6500	H2	WAT	1063	15.799	-11.814	17.056	0.417000
HETATM 6501	O	WAT	1064	5.594	-11.609	8.980	-0.834000
HETATM 6502	H1	WAT	1064	5.534	-10.677	9.193	0.417000
HETATM 6503	H2	WAT	1064	5.302	-11.666	8.071	0.417000
HETATM 6504	O	WAT	1065	3.026	15.810	-16.366	-0.834000
HETATM 6505	H1	WAT	1065	3.080	15.009	-16.887	0.417000
HETATM 6506	H2	WAT	1065	2.329	16.319	-16.780	0.417000
HETATM 6507	O	WAT	1066	24.900	-8.836	2.944	-0.834000

HETATM 6508	H1	WAT	1066	24.545	-9.469	3.568	0.417000
HETATM 6509	H2	WAT	1066	24.659	-9.185	2.086	0.417000
HETATM 6510	O	WAT	1067	-8.519	7.537	-15.762	-0.834000
HETATM 6511	H1	WAT	1067	-9.170	7.773	-15.101	0.417000
HETATM 6512	H2	WAT	1067	-8.271	8.371	-16.161	0.417000
HETATM 6513	O	WAT	1068	-20.735	-10.842	-19.040	-0.834000
HETATM 6514	H1	WAT	1068	-20.639	-10.572	-19.953	0.417000
HETATM 6515	H2	WAT	1068	-21.680	-10.923	-18.913	0.417000
HETATM 6516	O	WAT	1069	27.715	16.096	-5.227	-0.834000
HETATM 6517	H1	WAT	1069	28.006	16.310	-6.113	0.417000
HETATM 6518	H2	WAT	1069	28.339	16.541	-4.655	0.417000
HETATM 6519	O	WAT	1070	-25.824	21.228	8.475	-0.834000
HETATM 6520	H1	WAT	1070	-25.512	21.008	9.353	0.417000
HETATM 6521	H2	WAT	1070	-25.501	20.517	7.921	0.417000
HETATM 6522	O	WAT	1071	23.873	-10.693	4.609	-0.834000
HETATM 6523	H1	WAT	1071	23.516	-10.326	5.418	0.417000
HETATM 6524	H2	WAT	1071	23.140	-11.169	4.219	0.417000
HETATM 6525	O	WAT	1072	-3.258	-26.556	-18.802	-0.834000
HETATM 6526	H1	WAT	1072	-3.721	-25.779	-19.115	0.417000
HETATM 6527	H2	WAT	1072	-3.084	-26.375	-17.878	0.417000
HETATM 6528	O	WAT	1073	-14.665	23.895	-3.735	-0.834000
HETATM 6529	H1	WAT	1073	-13.736	23.670	-3.782	0.417000
HETATM 6530	H2	WAT	1073	-14.700	24.646	-3.142	0.417000
HETATM 6531	O	WAT	1074	-13.776	12.089	-25.175	-0.834000
HETATM 6532	H1	WAT	1074	-13.874	11.142	-25.075	0.417000
HETATM 6533	H2	WAT	1074	-14.666	12.432	-25.095	0.417000
HETATM 6534	O	WAT	1075	-26.451	-15.675	16.488	-0.834000
HETATM 6535	H1	WAT	1075	-26.879	-16.228	15.835	0.417000
HETATM 6536	H2	WAT	1075	-26.065	-14.960	15.981	0.417000
HETATM 6537	O	WAT	1076	-30.128	-13.089	-4.949	-0.834000
HETATM 6538	H1	WAT	1076	-31.022	-12.758	-4.868	0.417000
HETATM 6539	H2	WAT	1076	-30.228	-13.955	-5.343	0.417000
HETATM 6540	O	WAT	1077	-14.700	21.292	-19.427	-0.834000
HETATM 6541	H1	WAT	1077	-15.315	20.638	-19.758	0.417000
HETATM 6542	H2	WAT	1077	-14.642	21.113	-18.489	0.417000
HETATM 6543	O	WAT	1078	28.782	15.926	5.422	-0.834000
HETATM 6544	H1	WAT	1078	27.853	15.706	5.360	0.417000
HETATM 6545	H2	WAT	1078	28.882	16.298	6.298	0.417000
HETATM 6546	O	WAT	1079	23.180	-18.852	10.184	-0.834000
HETATM 6547	H1	WAT	1079	23.160	-18.919	11.139	0.417000
HETATM 6548	H2	WAT	1079	23.276	-19.755	9.883	0.417000
HETATM 6549	O	WAT	1080	-29.318	1.102	17.579	-0.834000
HETATM 6550	H1	WAT	1080	-28.678	1.468	18.190	0.417000
HETATM 6551	H2	WAT	1080	-29.593	1.847	17.046	0.417000
HETATM 6552	O	WAT	1081	-19.837	-16.880	-3.610	-0.834000
HETATM 6553	H1	WAT	1081	-19.269	-16.929	-4.379	0.417000
HETATM 6554	H2	WAT	1081	-19.825	-15.955	-3.363	0.417000
HETATM 6555	O	WAT	1082	27.164	7.766	-1.230	-0.834000
HETATM 6556	H1	WAT	1082	27.752	8.414	-1.617	0.417000
HETATM 6557	H2	WAT	1082	26.638	8.263	-0.603	0.417000
HETATM 6558	O	WAT	1083	-26.504	-16.478	12.096	-0.834000
HETATM 6559	H1	WAT	1083	-26.844	-16.669	12.970	0.417000
HETATM 6560	H2	WAT	1083	-27.134	-15.861	11.724	0.417000
HETATM 6561	O	WAT	1084	19.839	12.415	-4.779	-0.834000
HETATM 6562	H1	WAT	1084	19.888	13.328	-4.493	0.417000
HETATM 6563	H2	WAT	1084	18.914	12.279	-4.987	0.417000
HETATM 6564	O	WAT	1085	-20.429	-0.907	-26.070	-0.834000
HETATM 6565	H1	WAT	1085	-19.568	-0.699	-26.433	0.417000
HETATM 6566	H2	WAT	1085	-21.042	-0.402	-26.604	0.417000
HETATM 6567	O	WAT	1086	7.199	25.450	11.222	-0.834000
HETATM 6568	H1	WAT	1086	7.121	24.587	10.816	0.417000
HETATM 6569	H2	WAT	1086	8.142	25.599	11.290	0.417000
HETATM 6570	O	WAT	1087	-4.771	-17.038	21.353	-0.834000
HETATM 6571	H1	WAT	1087	-4.377	-16.172	21.245	0.417000
HETATM 6572	H2	WAT	1087	-4.779	-17.408	20.470	0.417000
HETATM 6573	O	WAT	1088	-9.165	-3.351	28.774	-0.834000
HETATM 6574	H1	WAT	1088	-9.823	-2.841	28.303	0.417000
HETATM 6575	H2	WAT	1088	-8.396	-3.334	28.204	0.417000
HETATM 6576	O	WAT	1089	11.568	13.718	5.774	-0.834000
HETATM 6577	H1	WAT	1089	11.633	14.371	5.077	0.417000

HETATM 6578	H2	WAT	1089	10.750	13.255	5.592	0.417000
HETATM 6579	O	WAT	1090	-30.147	-7.425	14.977	-0.834000
HETATM 6580	H1	WAT	1090	-29.451	-7.685	14.373	0.417000
HETATM 6581	H2	WAT	1090	-29.892	-7.807	15.816	0.417000
HETATM 6582	O	WAT	1091	-13.113	-25.244	16.136	-0.834000
HETATM 6583	H1	WAT	1091	-13.323	-24.555	16.767	0.417000
HETATM 6584	H2	WAT	1091	-13.929	-25.733	16.035	0.417000
HETATM 6585	O	WAT	1092	17.925	-22.489	-3.730	-0.834000
HETATM 6586	H1	WAT	1092	17.783	-23.027	-4.509	0.417000
HETATM 6587	H2	WAT	1092	17.645	-23.044	-3.002	0.417000
HETATM 6588	O	WAT	1093	17.224	15.533	-21.752	-0.834000
HETATM 6589	H1	WAT	1093	16.360	15.839	-22.027	0.417000
HETATM 6590	H2	WAT	1093	17.042	14.821	-21.139	0.417000
HETATM 6591	O	WAT	1094	15.503	-14.187	8.697	-0.834000
HETATM 6592	H1	WAT	1094	15.759	-13.275	8.833	0.417000
HETATM 6593	H2	WAT	1094	14.618	-14.243	9.059	0.417000
HETATM 6594	O	WAT	1095	26.493	10.770	9.735	-0.834000
HETATM 6595	H1	WAT	1095	26.180	10.924	10.627	0.417000
HETATM 6596	H2	WAT	1095	25.705	10.821	9.193	0.417000
HETATM 6597	O	WAT	1096	-8.392	31.484	2.265	-0.834000
HETATM 6598	H1	WAT	1096	-9.175	31.990	2.483	0.417000
HETATM 6599	H2	WAT	1096	-8.011	31.255	3.113	0.417000
HETATM 6600	O	WAT	1097	-25.365	-5.348	-9.589	-0.834000
HETATM 6601	H1	WAT	1097	-26.089	-5.171	-8.990	0.417000
HETATM 6602	H2	WAT	1097	-25.442	-4.675	-10.265	0.417000
HETATM 6603	O	WAT	1098	-19.213	-6.754	-24.506	-0.834000
HETATM 6604	H1	WAT	1098	-19.476	-6.253	-25.278	0.417000
HETATM 6605	H2	WAT	1098	-18.304	-6.494	-24.351	0.417000
HETATM 6606	O	WAT	1099	1.520	-12.748	12.305	-0.834000
HETATM 6607	H1	WAT	1099	2.352	-12.485	11.913	0.417000
HETATM 6608	H2	WAT	1099	0.854	-12.389	11.718	0.417000
HETATM 6609	O	WAT	1100	-10.283	29.126	-14.058	-0.834000
HETATM 6610	H1	WAT	1100	-10.562	29.208	-13.146	0.417000
HETATM 6611	H2	WAT	1100	-10.977	28.616	-14.475	0.417000
HETATM 6612	O	WAT	1101	19.244	0.019	22.345	-0.834000
HETATM 6613	H1	WAT	1101	18.968	0.811	21.885	0.417000
HETATM 6614	H2	WAT	1101	19.817	0.334	23.043	0.417000
HETATM 6615	O	WAT	1102	-12.239	21.981	-20.418	-0.834000
HETATM 6616	H1	WAT	1102	-13.072	21.698	-20.042	0.417000
HETATM 6617	H2	WAT	1102	-12.438	22.153	-21.339	0.417000
HETATM 6618	O	WAT	1103	24.109	-0.567	21.753	-0.834000
HETATM 6619	H1	WAT	1103	24.258	-0.435	22.689	0.417000
HETATM 6620	H2	WAT	1103	23.543	0.161	21.495	0.417000
HETATM 6621	O	WAT	1104	-5.995	15.169	-7.383	-0.834000
HETATM 6622	H1	WAT	1104	-5.113	15.326	-7.722	0.417000
HETATM 6623	H2	WAT	1104	-6.392	16.039	-7.339	0.417000
HETATM 6624	O	WAT	1105	13.045	-4.040	-17.812	-0.834000
HETATM 6625	H1	WAT	1105	12.260	-3.550	-18.059	0.417000
HETATM 6626	H2	WAT	1105	12.840	-4.948	-18.035	0.417000
HETATM 6627	O	WAT	1106	0.443	29.234	7.277	-0.834000
HETATM 6628	H1	WAT	1106	0.120	28.443	7.709	0.417000
HETATM 6629	H2	WAT	1106	0.983	29.665	7.939	0.417000
HETATM 6630	O	WAT	1107	-1.284	-6.712	15.686	-0.834000
HETATM 6631	H1	WAT	1107	-0.726	-6.271	16.327	0.417000
HETATM 6632	H2	WAT	1107	-0.967	-7.615	15.674	0.417000
HETATM 6633	O	WAT	1108	18.397	6.521	25.996	-0.834000
HETATM 6634	H1	WAT	1108	17.984	5.875	26.568	0.417000
HETATM 6635	H2	WAT	1108	19.066	6.932	26.544	0.417000
HETATM 6636	O	WAT	1109	-13.933	26.916	1.755	-0.834000
HETATM 6637	H1	WAT	1109	-13.931	26.094	1.263	0.417000
HETATM 6638	H2	WAT	1109	-14.720	27.371	1.456	0.417000
HETATM 6639	O	WAT	1110	-16.226	-12.651	-20.472	-0.834000
HETATM 6640	H1	WAT	1110	-17.099	-12.287	-20.620	0.417000
HETATM 6641	H2	WAT	1110	-15.782	-12.556	-21.315	0.417000
HETATM 6642	O	WAT	1111	11.071	-5.110	-30.762	-0.834000
HETATM 6643	H1	WAT	1111	10.325	-4.537	-30.586	0.417000
HETATM 6644	H2	WAT	1111	11.394	-4.827	-31.618	0.417000
HETATM 6645	O	WAT	1112	17.972	19.655	8.728	-0.834000
HETATM 6646	H1	WAT	1112	17.361	19.491	9.446	0.417000
HETATM 6647	H2	WAT	1112	18.551	20.342	9.059	0.417000

HETATM 6648	O	WAT	1113	-8.606	-15.099	28.943	-0.834000
HETATM 6649	H1	WAT	1113	-8.075	-15.064	29.738	0.417000
HETATM 6650	H2	WAT	1113	-8.786	-14.182	28.734	0.417000
HETATM 6651	O	WAT	1114	-1.833	-13.652	17.626	-0.834000
HETATM 6652	H1	WAT	1114	-0.969	-13.370	17.325	0.417000
HETATM 6653	H2	WAT	1114	-1.651	-14.353	18.252	0.417000
HETATM 6654	O	WAT	1115	20.125	12.058	13.908	-0.834000
HETATM 6655	H1	WAT	1115	19.654	12.175	14.734	0.417000
HETATM 6656	H2	WAT	1115	20.984	11.726	14.168	0.417000
HETATM 6657	O	WAT	1116	-0.042	-8.077	-30.921	-0.834000
HETATM 6658	H1	WAT	1116	0.812	-8.422	-30.659	0.417000
HETATM 6659	H2	WAT	1116	-0.633	-8.340	-30.215	0.417000
HETATM 6660	O	WAT	1117	4.606	30.891	-10.493	-0.834000
HETATM 6661	H1	WAT	1117	4.988	31.332	-9.734	0.417000
HETATM 6662	H2	WAT	1117	4.870	31.429	-11.240	0.417000
HETATM 6663	O	WAT	1118	-25.508	16.818	8.763	-0.834000
HETATM 6664	H1	WAT	1118	-25.946	16.105	8.298	0.417000
HETATM 6665	H2	WAT	1118	-26.077	17.000	9.511	0.417000
HETATM 6666	O	WAT	1119	16.308	26.944	11.418	-0.834000
HETATM 6667	H1	WAT	1119	15.507	27.196	10.959	0.417000
HETATM 6668	H2	WAT	1119	17.015	27.296	10.877	0.417000
HETATM 6669	O	WAT	1120	-19.631	15.408	1.783	-0.834000
HETATM 6670	H1	WAT	1120	-19.538	16.013	2.519	0.417000
HETATM 6671	H2	WAT	1120	-20.575	15.267	1.707	0.417000
HETATM 6672	O	WAT	1121	27.103	13.484	19.008	-0.834000
HETATM 6673	H1	WAT	1121	27.083	13.936	19.852	0.417000
HETATM 6674	H2	WAT	1121	26.209	13.564	18.673	0.417000
HETATM 6675	O	WAT	1122	26.687	-15.726	-1.852	-0.834000
HETATM 6676	H1	WAT	1122	27.631	-15.683	-2.002	0.417000
HETATM 6677	H2	WAT	1122	26.403	-14.812	-1.841	0.417000
HETATM 6678	O	WAT	1123	4.360	29.871	6.210	-0.834000
HETATM 6679	H1	WAT	1123	3.748	29.917	5.475	0.417000
HETATM 6680	H2	WAT	1123	5.224	29.966	5.808	0.417000
HETATM 6681	O	WAT	1124	-26.902	3.570	2.784	-0.834000
HETATM 6682	H1	WAT	1124	-26.141	3.951	3.222	0.417000
HETATM 6683	H2	WAT	1124	-26.531	3.017	2.097	0.417000
HETATM 6684	O	WAT	1125	-18.403	1.493	-7.901	-0.834000
HETATM 6685	H1	WAT	1125	-17.778	1.614	-8.616	0.417000
HETATM 6686	H2	WAT	1125	-18.203	0.624	-7.553	0.417000
HETATM 6687	O	WAT	1126	-24.896	19.000	7.178	-0.834000
HETATM 6688	H1	WAT	1126	-23.950	18.998	7.030	0.417000
HETATM 6689	H2	WAT	1126	-25.054	18.229	7.723	0.417000
HETATM 6690	O	WAT	1127	-6.706	12.866	-8.868	-0.834000
HETATM 6691	H1	WAT	1127	-6.224	12.333	-8.235	0.417000
HETATM 6692	H2	WAT	1127	-6.457	13.767	-8.660	0.417000
HETATM 6693	O	WAT	1128	-25.487	8.246	6.189	-0.834000
HETATM 6694	H1	WAT	1128	-26.385	8.548	6.048	0.417000
HETATM 6695	H2	WAT	1128	-25.045	8.412	5.356	0.417000
HETATM 6696	O	WAT	1129	-5.219	-34.547	2.785	-0.834000
HETATM 6697	H1	WAT	1129	-4.814	-35.303	3.210	0.417000
HETATM 6698	H2	WAT	1129	-4.759	-33.792	3.152	0.417000
HETATM 6699	O	WAT	1130	6.867	-27.172	-1.770	-0.834000
HETATM 6700	H1	WAT	1130	6.099	-26.840	-1.304	0.417000
HETATM 6701	H2	WAT	1130	7.605	-26.712	-1.372	0.417000
HETATM 6702	O	WAT	1131	-3.957	-12.556	19.134	-0.834000
HETATM 6703	H1	WAT	1131	-3.273	-12.864	18.540	0.417000
HETATM 6704	H2	WAT	1131	-4.251	-11.729	18.752	0.417000
HETATM 6705	O	WAT	1132	25.695	-8.154	21.400	-0.834000
HETATM 6706	H1	WAT	1132	24.964	-7.572	21.605	0.417000
HETATM 6707	H2	WAT	1132	26.471	-7.599	21.475	0.417000
HETATM 6708	O	WAT	1133	-13.284	5.201	29.294	-0.834000
HETATM 6709	H1	WAT	1133	-12.822	4.370	29.180	0.417000
HETATM 6710	H2	WAT	1133	-13.792	5.084	30.096	0.417000
HETATM 6711	O	WAT	1134	9.106	-14.837	13.613	-0.834000
HETATM 6712	H1	WAT	1134	10.025	-14.687	13.832	0.417000
HETATM 6713	H2	WAT	1134	8.818	-15.507	14.233	0.417000
HETATM 6714	O	WAT	1135	30.447	-6.431	4.394	-0.834000
HETATM 6715	H1	WAT	1135	30.917	-6.294	5.217	0.417000
HETATM 6716	H2	WAT	1135	30.911	-7.154	3.971	0.417000
HETATM 6717	O	WAT	1136	2.541	14.881	28.798	-0.834000

HETATM 6718	H1	WAT	1136	3.372	15.352	28.859	0.417000
HETATM 6719	H2	WAT	1136	1.962	15.476	28.322	0.417000
HETATM 6720	O	WAT	1137	30.883	-3.945	-4.840	-0.834000
HETATM 6721	H1	WAT	1137	31.190	-4.206	-3.971	0.417000
HETATM 6722	H2	WAT	1137	31.623	-4.126	-5.419	0.417000
HETATM 6723	O	WAT	1138	13.614	2.311	-24.066	-0.834000
HETATM 6724	H1	WAT	1138	13.596	1.838	-23.234	0.417000
HETATM 6725	H2	WAT	1138	12.708	2.587	-24.204	0.417000
HETATM 6726	O	WAT	1139	5.605	8.968	-22.787	-0.834000
HETATM 6727	H1	WAT	1139	5.072	9.394	-22.115	0.417000
HETATM 6728	H2	WAT	1139	6.170	8.368	-22.300	0.417000
HETATM 6729	O	WAT	1140	3.142	4.804	34.086	-0.834000
HETATM 6730	H1	WAT	1140	3.329	4.873	33.150	0.417000
HETATM 6731	H2	WAT	1140	2.454	5.451	34.241	0.417000
HETATM 6732	O	WAT	1141	-25.010	-10.436	-14.952	-0.834000
HETATM 6733	H1	WAT	1141	-25.412	-10.002	-14.199	0.417000
HETATM 6734	H2	WAT	1141	-24.109	-10.606	-14.678	0.417000
HETATM 6735	O	WAT	1142	23.498	17.429	-11.061	-0.834000
HETATM 6736	H1	WAT	1142	23.091	18.225	-11.403	0.417000
HETATM 6737	H2	WAT	1142	24.430	17.641	-11.008	0.417000
HETATM 6738	O	WAT	1143	-25.144	-2.115	-0.106	-0.834000
HETATM 6739	H1	WAT	1143	-26.073	-2.222	0.097	0.417000
HETATM 6740	H2	WAT	1143	-25.088	-2.248	-1.052	0.417000
HETATM 6741	O	WAT	1144	-16.669	4.813	-17.680	-0.834000
HETATM 6742	H1	WAT	1144	-17.248	4.987	-18.422	0.417000
HETATM 6743	H2	WAT	1144	-17.187	4.254	-17.099	0.417000
HETATM 6744	O	WAT	1145	-31.297	-8.200	-0.105	-0.834000
HETATM 6745	H1	WAT	1145	-31.154	-8.623	-0.951	0.417000
HETATM 6746	H2	WAT	1145	-30.439	-7.853	0.138	0.417000
HETATM 6747	O	WAT	1146	3.323	32.363	0.674	-0.834000
HETATM 6748	H1	WAT	1146	4.163	31.926	0.531	0.417000
HETATM 6749	H2	WAT	1146	3.436	33.230	0.285	0.417000
HETATM 6750	O	WAT	1147	22.159	11.186	-23.775	-0.834000
HETATM 6751	H1	WAT	1147	21.995	11.743	-23.015	0.417000
HETATM 6752	H2	WAT	1147	22.000	10.296	-23.459	0.417000
HETATM 6753	O	WAT	1148	8.830	-12.990	26.942	-0.834000
HETATM 6754	H1	WAT	1148	8.465	-13.864	26.807	0.417000
HETATM 6755	H2	WAT	1148	8.176	-12.536	27.474	0.417000
HETATM 6756	O	WAT	1149	21.297	7.369	14.754	-0.834000
HETATM 6757	H1	WAT	1149	21.796	6.570	14.924	0.417000
HETATM 6758	H2	WAT	1149	20.391	7.071	14.668	0.417000
HETATM 6759	O	WAT	1150	6.829	9.883	19.726	-0.834000
HETATM 6760	H1	WAT	1150	7.170	9.565	20.562	0.417000
HETATM 6761	H2	WAT	1150	6.339	9.142	19.371	0.417000
HETATM 6762	O	WAT	1151	15.574	-3.145	-30.729	-0.834000
HETATM 6763	H1	WAT	1151	16.115	-2.934	-31.490	0.417000
HETATM 6764	H2	WAT	1151	14.701	-2.829	-30.961	0.417000
HETATM 6765	O	WAT	1152	7.743	-0.620	22.709	-0.834000
HETATM 6766	H1	WAT	1152	7.394	0.091	22.172	0.417000
HETATM 6767	H2	WAT	1152	7.804	-0.248	23.589	0.417000
HETATM 6768	O	WAT	1153	-25.169	16.373	-7.599	-0.834000
HETATM 6769	H1	WAT	1153	-24.844	17.039	-8.205	0.417000
HETATM 6770	H2	WAT	1153	-24.379	16.000	-7.208	0.417000
HETATM 6771	O	WAT	1154	-6.173	-5.910	-28.826	-0.834000
HETATM 6772	H1	WAT	1154	-6.145	-6.617	-29.471	0.417000
HETATM 6773	H2	WAT	1154	-6.948	-6.099	-28.297	0.417000
HETATM 6774	O	WAT	1155	12.002	15.537	9.141	-0.834000
HETATM 6775	H1	WAT	1155	11.550	14.750	8.836	0.417000
HETATM 6776	H2	WAT	1155	12.772	15.207	9.604	0.417000
HETATM 6777	O	WAT	1156	-33.430	-6.527	-0.329	-0.834000
HETATM 6778	H1	WAT	1156	-32.686	-7.095	-0.129	0.417000
HETATM 6779	H2	WAT	1156	-33.208	-6.128	-1.170	0.417000
HETATM 6780	O	WAT	1157	4.671	3.594	25.245	-0.834000
HETATM 6781	H1	WAT	1157	5.477	3.646	25.759	0.417000
HETATM 6782	H2	WAT	1157	4.212	2.831	25.595	0.417000
HETATM 6783	O	WAT	1158	-13.260	30.595	-0.094	-0.834000
HETATM 6784	H1	WAT	1158	-13.067	30.753	-1.018	0.417000
HETATM 6785	H2	WAT	1158	-14.214	30.647	-0.036	0.417000
HETATM 6786	O	WAT	1159	-5.642	3.082	-18.029	-0.834000
HETATM 6787	H1	WAT	1159	-4.863	3.037	-18.584	0.417000

HETATM 6788	H2	WAT	1159	-5.926	2.172	-17.942	0.417000
HETATM 6789	O	WAT	1160	-3.320	7.044	33.033	-0.834000
HETATM 6790	H1	WAT	1160	-3.395	6.556	32.213	0.417000
HETATM 6791	H2	WAT	1160	-3.547	6.408	33.711	0.417000
HETATM 6792	O	WAT	1161	5.946	6.348	-31.444	-0.834000
HETATM 6793	H1	WAT	1161	5.009	6.500	-31.320	0.417000
HETATM 6794	H2	WAT	1161	6.349	6.671	-30.639	0.417000
HETATM 6795	O	WAT	1162	17.989	-27.792	6.415	-0.834000
HETATM 6796	H1	WAT	1162	17.719	-27.073	5.843	0.417000
HETATM 6797	H2	WAT	1162	17.507	-27.646	7.229	0.417000
HETATM 6798	O	WAT	1163	-2.282	21.024	20.133	-0.834000
HETATM 6799	H1	WAT	1163	-3.066	20.532	20.378	0.417000
HETATM 6800	H2	WAT	1163	-2.383	21.185	19.195	0.417000
HETATM 6801	O	WAT	1164	-4.742	12.955	-21.563	-0.834000
HETATM 6802	H1	WAT	1164	-4.461	12.888	-20.650	0.417000
HETATM 6803	H2	WAT	1164	-5.505	13.532	-21.537	0.417000
HETATM 6804	O	WAT	1165	33.980	-4.596	2.474	-0.834000
HETATM 6805	H1	WAT	1165	33.850	-3.912	3.131	0.417000
HETATM 6806	H2	WAT	1165	34.676	-4.258	1.911	0.417000
HETATM 6807	O	WAT	1166	21.185	-13.137	-17.378	-0.834000
HETATM 6808	H1	WAT	1166	21.455	-12.376	-17.894	0.417000
HETATM 6809	H2	WAT	1166	20.301	-13.333	-17.687	0.417000
HETATM 6810	O	WAT	1167	18.655	12.077	16.248	-0.834000
HETATM 6811	H1	WAT	1167	17.780	11.972	15.873	0.417000
HETATM 6812	H2	WAT	1167	18.791	11.283	16.765	0.417000
HETATM 6813	O	WAT	1168	26.970	6.046	-3.356	-0.834000
HETATM 6814	H1	WAT	1168	26.879	6.633	-2.606	0.417000
HETATM 6815	H2	WAT	1168	26.089	5.699	-3.498	0.417000
HETATM 6816	O	WAT	1169	24.069	3.595	22.656	-0.834000
HETATM 6817	H1	WAT	1169	24.764	3.197	23.180	0.417000
HETATM 6818	H2	WAT	1169	23.774	4.342	23.176	0.417000
HETATM 6819	O	WAT	1170	3.679	7.699	-15.204	-0.834000
HETATM 6820	H1	WAT	1170	2.796	8.061	-15.276	0.417000
HETATM 6821	H2	WAT	1170	3.550	6.751	-15.191	0.417000
HETATM 6822	O	WAT	1171	-8.631	-10.649	-7.123	-0.834000
HETATM 6823	H1	WAT	1171	-8.695	-11.552	-7.435	0.417000
HETATM 6824	H2	WAT	1171	-8.557	-10.728	-6.172	0.417000
HETATM 6825	O	WAT	1172	-17.381	-19.507	-3.413	-0.834000
HETATM 6826	H1	WAT	1172	-17.522	-19.820	-2.520	0.417000
HETATM 6827	H2	WAT	1172	-17.184	-18.576	-3.313	0.417000
HETATM 6828	O	WAT	1173	7.826	22.354	0.372	-0.834000
HETATM 6829	H1	WAT	1173	7.713	22.053	1.274	0.417000
HETATM 6830	H2	WAT	1173	7.121	21.925	-0.113	0.417000
HETATM 6831	O	WAT	1174	-16.947	9.392	27.055	-0.834000
HETATM 6832	H1	WAT	1174	-16.251	10.028	27.218	0.417000
HETATM 6833	H2	WAT	1174	-16.771	8.681	27.672	0.417000
HETATM 6834	O	WAT	1175	9.943	25.682	11.024	-0.834000
HETATM 6835	H1	WAT	1175	10.054	26.186	10.217	0.417000
HETATM 6836	H2	WAT	1175	10.475	26.146	11.670	0.417000
HETATM 6837	O	WAT	1176	16.288	-24.317	20.294	-0.834000
HETATM 6838	H1	WAT	1176	16.953	-23.920	20.856	0.417000
HETATM 6839	H2	WAT	1176	15.552	-23.706	20.324	0.417000
HETATM 6840	O	WAT	1177	23.304	2.795	-24.152	-0.834000
HETATM 6841	H1	WAT	1177	23.638	2.370	-24.942	0.417000
HETATM 6842	H2	WAT	1177	22.542	2.272	-23.903	0.417000
HETATM 6843	O	WAT	1178	-22.348	18.448	-0.121	-0.834000
HETATM 6844	H1	WAT	1178	-22.215	19.292	0.312	0.417000
HETATM 6845	H2	WAT	1178	-22.900	18.652	-0.876	0.417000
HETATM 6846	O	WAT	1179	0.439	27.560	4.913	-0.834000
HETATM 6847	H1	WAT	1179	0.537	28.059	5.724	0.417000
HETATM 6848	H2	WAT	1179	0.401	26.647	5.196	0.417000
HETATM 6849	O	WAT	1180	-6.519	-21.383	9.634	-0.834000
HETATM 6850	H1	WAT	1180	-6.437	-22.089	8.992	0.417000
HETATM 6851	H2	WAT	1180	-6.649	-20.595	9.107	0.417000
HETATM 6852	O	WAT	1181	20.587	21.726	4.859	-0.834000
HETATM 6853	H1	WAT	1181	21.124	22.019	4.123	0.417000
HETATM 6854	H2	WAT	1181	19.688	21.782	4.538	0.417000
HETATM 6855	O	WAT	1182	-0.735	-22.194	23.173	-0.834000
HETATM 6856	H1	WAT	1182	0.179	-22.407	22.981	0.417000
HETATM 6857	H2	WAT	1182	-0.757	-22.069	24.121	0.417000

HETATM 6858	O	WAT	1183	25.675	-14.465	4.851	-0.834000
HETATM 6859	H1	WAT	1183	24.829	-14.494	5.298	0.417000
HETATM 6860	H2	WAT	1183	26.304	-14.762	5.509	0.417000
HETATM 6861	O	WAT	1184	19.266	4.721	-28.805	-0.834000
HETATM 6862	H1	WAT	1184	18.527	4.255	-29.196	0.417000
HETATM 6863	H2	WAT	1184	18.888	5.537	-28.478	0.417000
HETATM 6864	O	WAT	1185	13.927	-3.514	-22.638	-0.834000
HETATM 6865	H1	WAT	1185	13.435	-2.708	-22.795	0.417000
HETATM 6866	H2	WAT	1185	14.623	-3.256	-22.034	0.417000
HETATM 6867	O	WAT	1186	-1.002	22.542	-24.628	-0.834000
HETATM 6868	H1	WAT	1186	-0.674	23.421	-24.817	0.417000
HETATM 6869	H2	WAT	1186	-1.896	22.682	-24.316	0.417000
HETATM 6870	O	WAT	1187	-4.735	-19.783	-25.986	-0.834000
HETATM 6871	H1	WAT	1187	-3.783	-19.754	-26.084	0.417000
HETATM 6872	H2	WAT	1187	-5.054	-19.063	-26.530	0.417000
HETATM 6873	O	WAT	1188	15.630	-15.795	-15.787	-0.834000
HETATM 6874	H1	WAT	1188	14.741	-15.635	-15.470	0.417000
HETATM 6875	H2	WAT	1188	16.131	-15.036	-15.490	0.417000
HETATM 6876	O	WAT	1189	-14.211	-0.982	31.998	-0.834000
HETATM 6877	H1	WAT	1189	-13.929	-0.627	31.155	0.417000
HETATM 6878	H2	WAT	1189	-13.485	-1.539	32.279	0.417000
HETATM 6879	O	WAT	1190	2.690	-6.067	-30.430	-0.834000
HETATM 6880	H1	WAT	1190	1.850	-5.806	-30.807	0.417000
HETATM 6881	H2	WAT	1190	3.343	-5.738	-31.048	0.417000
HETATM 6882	O	WAT	1191	7.859	29.425	-8.239	-0.834000
HETATM 6883	H1	WAT	1191	6.993	29.021	-8.179	0.417000
HETATM 6884	H2	WAT	1191	7.824	30.157	-7.622	0.417000
HETATM 6885	O	WAT	1192	-19.429	-20.778	-7.410	-0.834000
HETATM 6886	H1	WAT	1192	-19.177	-21.044	-6.525	0.417000
HETATM 6887	H2	WAT	1192	-19.026	-19.918	-7.526	0.417000
HETATM 6888	O	WAT	1193	19.878	-5.597	24.419	-0.834000
HETATM 6889	H1	WAT	1193	20.066	-5.476	25.350	0.417000
HETATM 6890	H2	WAT	1193	20.449	-4.970	23.976	0.417000
HETATM 6891	O	WAT	1194	28.756	4.331	4.787	-0.834000
HETATM 6892	H1	WAT	1194	29.098	5.224	4.815	0.417000
HETATM 6893	H2	WAT	1194	28.824	4.077	3.867	0.417000
HETATM 6894	O	WAT	1195	-27.013	1.294	-4.110	-0.834000
HETATM 6895	H1	WAT	1195	-26.588	1.945	-4.668	0.417000
HETATM 6896	H2	WAT	1195	-26.525	1.328	-3.288	0.417000
HETATM 6897	O	WAT	1196	29.578	0.171	-11.314	-0.834000
HETATM 6898	H1	WAT	1196	29.622	-0.779	-11.207	0.417000
HETATM 6899	H2	WAT	1196	30.488	0.462	-11.249	0.417000
HETATM 6900	O	WAT	1197	21.218	4.734	-10.367	-0.834000
HETATM 6901	H1	WAT	1197	21.247	4.476	-11.288	0.417000
HETATM 6902	H2	WAT	1197	22.137	4.788	-10.105	0.417000
HETATM 6903	O	WAT	1198	-18.289	-18.299	-7.566	-0.834000
HETATM 6904	H1	WAT	1198	-18.198	-17.669	-6.851	0.417000
HETATM 6905	H2	WAT	1198	-18.413	-17.759	-8.346	0.417000
HETATM 6906	O	WAT	1199	13.699	-24.710	1.268	-0.834000
HETATM 6907	H1	WAT	1199	13.549	-24.369	2.150	0.417000
HETATM 6908	H2	WAT	1199	13.375	-25.610	1.302	0.417000
HETATM 6909	O	WAT	1200	17.091	-4.329	13.298	-0.834000
HETATM 6910	H1	WAT	1200	17.004	-4.859	14.090	0.417000
HETATM 6911	H2	WAT	1200	17.689	-3.624	13.545	0.417000
HETATM 6912	O	WAT	1201	-27.841	-5.436	13.340	-0.834000
HETATM 6913	H1	WAT	1201	-27.883	-6.393	13.323	0.417000
HETATM 6914	H2	WAT	1201	-27.170	-5.238	13.994	0.417000
HETATM 6915	O	WAT	1202	14.839	-16.458	17.296	-0.834000
HETATM 6916	H1	WAT	1202	14.565	-15.771	17.904	0.417000
HETATM 6917	H2	WAT	1202	15.231	-15.985	16.562	0.417000
HETATM 6918	O	WAT	1203	1.638	-24.970	-18.098	-0.834000
HETATM 6919	H1	WAT	1203	1.394	-25.886	-18.229	0.417000
HETATM 6920	H2	WAT	1203	0.907	-24.595	-17.606	0.417000
HETATM 6921	O	WAT	1204	-17.550	21.969	0.572	-0.834000
HETATM 6922	H1	WAT	1204	-16.779	22.328	1.011	0.417000
HETATM 6923	H2	WAT	1204	-18.198	22.672	0.612	0.417000
HETATM 6924	O	WAT	1205	-18.952	15.140	9.961	-0.834000
HETATM 6925	H1	WAT	1205	-18.922	14.199	10.135	0.417000
HETATM 6926	H2	WAT	1205	-18.194	15.303	9.399	0.417000
HETATM 6927	O	WAT	1206	8.381	9.879	-20.928	-0.834000

HETATM 6928	H1	WAT	1206	7.696	10.536	-20.806	0.417000
HETATM 6929	H2	WAT	1206	7.920	9.041	-20.888	0.417000
HETATM 6930	O	WAT	1207	18.379	-0.303	-18.440	-0.834000
HETATM 6931	H1	WAT	1207	18.776	0.555	-18.589	0.417000
HETATM 6932	H2	WAT	1207	17.439	-0.152	-18.535	0.417000
HETATM 6933	O	WAT	1208	-18.682	9.642	-4.510	-0.834000
HETATM 6934	H1	WAT	1208	-18.090	8.903	-4.372	0.417000
HETATM 6935	H2	WAT	1208	-18.607	9.839	-5.444	0.417000
HETATM 6936	O	WAT	1209	23.973	1.636	-7.279	-0.834000
HETATM 6937	H1	WAT	1209	23.388	1.997	-6.614	0.417000
HETATM 6938	H2	WAT	1209	23.395	1.396	-8.003	0.417000
HETATM 6939	O	WAT	1210	-20.097	17.274	-1.272	-0.834000
HETATM 6940	H1	WAT	1210	-20.875	17.600	-0.820	0.417000
HETATM 6941	H2	WAT	1210	-20.126	16.325	-1.144	0.417000
HETATM 6942	O	WAT	1211	28.856	-9.593	-15.355	-0.834000
HETATM 6943	H1	WAT	1211	29.488	-9.827	-16.035	0.417000
HETATM 6944	H2	WAT	1211	28.216	-10.304	-15.368	0.417000
HETATM 6945	O	WAT	1212	-4.632	-7.410	18.497	-0.834000
HETATM 6946	H1	WAT	1212	-3.736	-7.342	18.827	0.417000
HETATM 6947	H2	WAT	1212	-4.581	-7.090	17.596	0.417000
HETATM 6948	O	WAT	1213	-17.037	29.362	9.358	-0.834000
HETATM 6949	H1	WAT	1213	-17.327	28.485	9.108	0.417000
HETATM 6950	H2	WAT	1213	-16.082	29.299	9.387	0.417000
HETATM 6951	O	WAT	1214	24.203	2.916	-13.243	-0.834000
HETATM 6952	H1	WAT	1214	24.199	2.140	-12.682	0.417000
HETATM 6953	H2	WAT	1214	25.127	3.153	-13.317	0.417000
HETATM 6954	O	WAT	1215	2.546	1.111	-22.655	-0.834000
HETATM 6955	H1	WAT	1215	1.633	1.218	-22.920	0.417000
HETATM 6956	H2	WAT	1215	2.503	0.600	-21.847	0.417000
HETATM 6957	O	WAT	1216	-22.359	20.889	1.088	-0.834000
HETATM 6958	H1	WAT	1216	-22.000	21.129	1.942	0.417000
HETATM 6959	H2	WAT	1216	-23.302	21.026	1.177	0.417000
HETATM 6960	O	WAT	1217	-26.962	14.657	7.817	-0.834000
HETATM 6961	H1	WAT	1217	-26.930	14.137	7.014	0.417000
HETATM 6962	H2	WAT	1217	-27.887	14.665	8.061	0.417000
HETATM 6963	O	WAT	1218	-25.157	-11.231	3.353	-0.834000
HETATM 6964	H1	WAT	1218	-24.630	-11.079	4.138	0.417000
HETATM 6965	H2	WAT	1218	-25.598	-10.397	3.195	0.417000
HETATM 6966	O	WAT	1219	-22.510	15.771	-18.476	-0.834000
HETATM 6967	H1	WAT	1219	-21.966	15.832	-17.691	0.417000
HETATM 6968	H2	WAT	1219	-22.000	15.232	-19.080	0.417000
HETATM 6969	O	WAT	1220	-20.572	11.169	22.699	-0.834000
HETATM 6970	H1	WAT	1220	-21.242	11.843	22.814	0.417000
HETATM 6971	H2	WAT	1220	-19.852	11.450	23.264	0.417000
HETATM 6972	O	WAT	1221	26.159	20.412	11.715	-0.834000
HETATM 6973	H1	WAT	1221	25.449	20.155	11.127	0.417000
HETATM 6974	H2	WAT	1221	25.719	20.847	12.445	0.417000
HETATM 6975	O	WAT	1222	-17.312	15.227	22.248	-0.834000
HETATM 6976	H1	WAT	1222	-17.355	14.774	23.090	0.417000
HETATM 6977	H2	WAT	1222	-18.123	14.984	21.802	0.417000
HETATM 6978	O	WAT	1223	18.665	11.804	-27.146	-0.834000
HETATM 6979	H1	WAT	1223	19.436	12.075	-26.648	0.417000
HETATM 6980	H2	WAT	1223	18.368	12.604	-27.581	0.417000
HETATM 6981	O	WAT	1224	1.032	15.035	-26.762	-0.834000
HETATM 6982	H1	WAT	1224	0.655	15.627	-27.413	0.417000
HETATM 6983	H2	WAT	1224	1.936	14.909	-27.047	0.417000
HETATM 6984	O	WAT	1225	-20.880	-21.153	7.447	-0.834000
HETATM 6985	H1	WAT	1225	-21.052	-20.966	8.370	0.417000
HETATM 6986	H2	WAT	1225	-20.639	-20.306	7.072	0.417000
HETATM 6987	O	WAT	1226	9.643	15.896	-0.083	-0.834000
HETATM 6988	H1	WAT	1226	9.933	15.166	-0.630	0.417000
HETATM 6989	H2	WAT	1226	10.449	16.242	0.301	0.417000
HETATM 6990	O	WAT	1227	10.332	-17.920	-19.299	-0.834000
HETATM 6991	H1	WAT	1227	10.963	-18.633	-19.202	0.417000
HETATM 6992	H2	WAT	1227	10.731	-17.333	-19.942	0.417000
HETATM 6993	O	WAT	1228	23.376	-11.864	-5.545	-0.834000
HETATM 6994	H1	WAT	1228	22.578	-12.268	-5.205	0.417000
HETATM 6995	H2	WAT	1228	23.637	-11.241	-4.867	0.417000
HETATM 6996	O	WAT	1229	3.431	34.817	-0.584	-0.834000
HETATM 6997	H1	WAT	1229	3.320	34.381	-1.429	0.417000

HETATM 6998	H2	WAT	1229	3.790	35.677	-0.803	0.417000
HETATM 6999	O	WAT	1230	8.493	-10.478	30.470	-0.834000
HETATM 7000	H1	WAT	1230	9.027	-10.024	29.818	0.417000
HETATM 7001	H2	WAT	1230	8.094	-9.776	30.983	0.417000
HETATM 7002	O	WAT	1231	5.028	11.807	20.445	-0.834000
HETATM 7003	H1	WAT	1231	5.593	11.080	20.184	0.417000
HETATM 7004	H2	WAT	1231	5.474	12.201	21.194	0.417000
HETATM 7005	O	WAT	1232	-1.647	-27.497	5.026	-0.834000
HETATM 7006	H1	WAT	1232	-1.855	-26.833	4.369	0.417000
HETATM 7007	H2	WAT	1232	-1.328	-28.244	4.519	0.417000
HETATM 7008	O	WAT	1233	-21.448	-20.524	10.020	-0.834000
HETATM 7009	H1	WAT	1233	-21.736	-21.122	10.709	0.417000
HETATM 7010	H2	WAT	1233	-22.022	-19.763	10.107	0.417000
HETATM 7011	O	WAT	1234	-9.805	-28.202	-16.579	-0.834000
HETATM 7012	H1	WAT	1234	-9.070	-28.165	-17.191	0.417000
HETATM 7013	H2	WAT	1234	-10.547	-27.852	-17.073	0.417000
HETATM 7014	O	WAT	1235	0.858	-20.630	-1.845	-0.834000
HETATM 7015	H1	WAT	1235	1.417	-21.396	-1.709	0.417000
HETATM 7016	H2	WAT	1235	0.798	-20.222	-0.982	0.417000
HETATM 7017	O	WAT	1236	17.125	-2.822	-26.495	-0.834000
HETATM 7018	H1	WAT	1236	17.302	-3.711	-26.187	0.417000
HETATM 7019	H2	WAT	1236	17.443	-2.257	-25.791	0.417000
HETATM 7020	O	WAT	1237	2.453	-20.257	-21.880	-0.834000
HETATM 7021	H1	WAT	1237	3.325	-20.255	-22.274	0.417000
HETATM 7022	H2	WAT	1237	2.532	-20.841	-21.126	0.417000
HETATM 7023	O	WAT	1238	22.417	7.742	20.596	-0.834000
HETATM 7024	H1	WAT	1238	22.412	8.609	20.190	0.417000
HETATM 7025	H2	WAT	1238	21.797	7.231	20.078	0.417000
HETATM 7026	O	WAT	1239	24.108	-1.080	-13.980	-0.834000
HETATM 7027	H1	WAT	1239	24.995	-1.146	-14.333	0.417000
HETATM 7028	H2	WAT	1239	23.730	-1.948	-14.117	0.417000
HETATM 7029	O	WAT	1240	0.016	24.074	-11.883	-0.834000
HETATM 7030	H1	WAT	1240	0.519	24.594	-12.509	0.417000
HETATM 7031	H2	WAT	1240	0.606	23.962	-11.137	0.417000
HETATM 7032	O	WAT	1241	-16.258	-18.871	-16.288	-0.834000
HETATM 7033	H1	WAT	1241	-16.127	-18.185	-16.943	0.417000
HETATM 7034	H2	WAT	1241	-16.398	-19.668	-16.799	0.417000
HETATM 7035	O	WAT	1242	8.656	10.736	-25.742	-0.834000
HETATM 7036	H1	WAT	1242	8.320	11.523	-26.173	0.417000
HETATM 7037	H2	WAT	1242	9.416	10.483	-26.266	0.417000
HETATM 7038	O	WAT	1243	9.876	18.057	25.725	-0.834000
HETATM 7039	H1	WAT	1243	9.075	18.356	25.295	0.417000
HETATM 7040	H2	WAT	1243	10.553	18.660	25.416	0.417000
HETATM 7041	O	WAT	1244	22.701	10.978	5.970	-0.834000
HETATM 7042	H1	WAT	1244	21.871	10.504	5.911	0.417000
HETATM 7043	H2	WAT	1244	23.202	10.679	5.211	0.417000
HETATM 7044	O	WAT	1245	23.223	7.513	8.625	-0.834000
HETATM 7045	H1	WAT	1245	23.594	7.281	9.477	0.417000
HETATM 7046	H2	WAT	1245	23.975	7.800	8.107	0.417000
HETATM 7047	O	WAT	1246	26.951	-16.323	0.846	-0.834000
HETATM 7048	H1	WAT	1246	26.678	-16.258	-0.069	0.417000
HETATM 7049	H2	WAT	1246	27.888	-16.127	0.831	0.417000
HETATM 7050	O	WAT	1247	31.452	5.312	7.696	-0.834000
HETATM 7051	H1	WAT	1247	30.938	6.115	7.783	0.417000
HETATM 7052	H2	WAT	1247	32.346	5.615	7.538	0.417000
HETATM 7053	O	WAT	1248	-9.191	-29.928	8.192	-0.834000
HETATM 7054	H1	WAT	1248	-9.693	-30.615	7.753	0.417000
HETATM 7055	H2	WAT	1248	-8.371	-29.880	7.700	0.417000
HETATM 7056	O	WAT	1249	-8.827	-8.161	-10.074	-0.834000
HETATM 7057	H1	WAT	1249	-8.892	-7.242	-10.335	0.417000
HETATM 7058	H2	WAT	1249	-9.244	-8.196	-9.213	0.417000
HETATM 7059	O	WAT	1250	-24.659	20.619	10.959	-0.834000
HETATM 7060	H1	WAT	1250	-23.904	20.990	10.502	0.417000
HETATM 7061	H2	WAT	1250	-24.330	20.406	11.832	0.417000
HETATM 7062	O	WAT	1251	-0.423	22.352	-5.267	-0.834000
HETATM 7063	H1	WAT	1251	0.057	22.998	-4.748	0.417000
HETATM 7064	H2	WAT	1251	-0.983	21.903	-4.634	0.417000
HETATM 7065	O	WAT	1252	-8.464	17.544	-4.389	-0.834000
HETATM 7066	H1	WAT	1252	-9.076	16.822	-4.242	0.417000
HETATM 7067	H2	WAT	1252	-8.971	18.331	-4.188	0.417000

HETATM 7068	O	WAT	1253	-28.323	-4.996	2.118	-0.834000
HETATM 7069	H1	WAT	1253	-27.654	-4.662	2.716	0.417000
HETATM 7070	H2	WAT	1253	-29.025	-5.303	2.692	0.417000
HETATM 7071	O	WAT	1254	-9.667	-17.757	-15.022	-0.834000
HETATM 7072	H1	WAT	1254	-9.860	-18.694	-15.021	0.417000
HETATM 7073	H2	WAT	1254	-10.331	-17.376	-15.596	0.417000
HETATM 7074	O	WAT	1255	3.177	26.060	12.254	-0.834000
HETATM 7075	H1	WAT	1255	3.066	26.341	11.346	0.417000
HETATM 7076	H2	WAT	1255	2.690	25.238	12.312	0.417000
HETATM 7077	O	WAT	1256	1.711	-12.058	28.683	-0.834000
HETATM 7078	H1	WAT	1256	1.521	-11.553	27.892	0.417000
HETATM 7079	H2	WAT	1256	2.259	-11.478	29.212	0.417000
HETATM 7080	O	WAT	1257	-21.986	0.861	-27.500	-0.834000
HETATM 7081	H1	WAT	1257	-22.893	1.117	-27.334	0.417000
HETATM 7082	H2	WAT	1257	-21.464	1.571	-27.126	0.417000
HETATM 7083	O	WAT	1258	5.035	23.018	15.054	-0.834000
HETATM 7084	H1	WAT	1258	5.199	23.745	14.452	0.417000
HETATM 7085	H2	WAT	1258	5.890	22.602	15.165	0.417000
HETATM 7086	O	WAT	1259	15.896	12.909	1.403	-0.834000
HETATM 7087	H1	WAT	1259	15.783	13.400	2.216	0.417000
HETATM 7088	H2	WAT	1259	15.047	12.974	0.965	0.417000
HETATM 7089	O	WAT	1260	14.109	24.680	-14.644	-0.834000
HETATM 7090	H1	WAT	1260	14.640	25.447	-14.857	0.417000
HETATM 7091	H2	WAT	1260	14.296	24.057	-15.346	0.417000
HETATM 7092	O	WAT	1261	-20.501	4.702	-10.440	-0.834000
HETATM 7093	H1	WAT	1261	-20.551	3.821	-10.070	0.417000
HETATM 7094	H2	WAT	1261	-21.391	4.887	-10.739	0.417000
HETATM 7095	O	WAT	1262	-4.590	-24.245	-10.754	-0.834000
HETATM 7096	H1	WAT	1262	-3.736	-24.588	-10.492	0.417000
HETATM 7097	H2	WAT	1262	-4.818	-24.742	-11.539	0.417000
HETATM 7098	O	WAT	1263	-2.882	-25.854	16.380	-0.834000
HETATM 7099	H1	WAT	1263	-3.682	-25.844	15.854	0.417000
HETATM 7100	H2	WAT	1263	-2.307	-25.218	15.955	0.417000
HETATM 7101	O	WAT	1264	-26.424	-13.691	-1.203	-0.834000
HETATM 7102	H1	WAT	1264	-26.901	-12.871	-1.078	0.417000
HETATM 7103	H2	WAT	1264	-25.531	-13.495	-0.918	0.417000
HETATM 7104	O	WAT	1265	2.693	-5.735	30.461	-0.834000
HETATM 7105	H1	WAT	1265	3.338	-5.269	30.993	0.417000
HETATM 7106	H2	WAT	1265	2.921	-5.510	29.559	0.417000
HETATM 7107	O	WAT	1266	-3.215	-31.176	9.675	-0.834000
HETATM 7108	H1	WAT	1266	-3.906	-30.561	9.430	0.417000
HETATM 7109	H2	WAT	1266	-3.677	-31.901	10.096	0.417000
HETATM 7110	O	WAT	1267	-19.606	23.363	-15.880	-0.834000
HETATM 7111	H1	WAT	1267	-18.961	24.028	-15.640	0.417000
HETATM 7112	H2	WAT	1267	-20.292	23.444	-15.218	0.417000
HETATM 7113	O	WAT	1268	-25.863	-0.780	9.679	-0.834000
HETATM 7114	H1	WAT	1268	-25.757	-1.137	8.797	0.417000
HETATM 7115	H2	WAT	1268	-26.707	-0.328	9.654	0.417000
HETATM 7116	O	WAT	1269	24.250	22.131	3.994	-0.834000
HETATM 7117	H1	WAT	1269	23.417	22.301	3.553	0.417000
HETATM 7118	H2	WAT	1269	24.372	21.185	3.917	0.417000
HETATM 7119	O	WAT	1270	3.062	28.178	14.019	-0.834000
HETATM 7120	H1	WAT	1270	3.779	28.687	13.640	0.417000
HETATM 7121	H2	WAT	1270	3.057	27.362	13.518	0.417000
HETATM 7122	O	WAT	1271	21.724	12.767	10.027	-0.834000
HETATM 7123	H1	WAT	1271	21.008	12.390	9.516	0.417000
HETATM 7124	H2	WAT	1271	22.221	12.010	10.337	0.417000
HETATM 7125	O	WAT	1272	-9.876	-18.367	8.527	-0.834000
HETATM 7126	H1	WAT	1272	-9.801	-17.456	8.809	0.417000
HETATM 7127	H2	WAT	1272	-10.530	-18.348	7.828	0.417000
HETATM 7128	O	WAT	1273	-0.658	-29.482	3.390	-0.834000
HETATM 7129	H1	WAT	1273	-0.883	-30.259	3.900	0.417000
HETATM 7130	H2	WAT	1273	-1.070	-29.627	2.538	0.417000
HETATM 7131	O	WAT	1274	12.904	-21.406	14.063	-0.834000
HETATM 7132	H1	WAT	1274	13.299	-22.007	13.431	0.417000
HETATM 7133	H2	WAT	1274	11.965	-21.455	13.886	0.417000
HETATM 7134	O	WAT	1275	-18.447	-22.529	13.517	-0.834000
HETATM 7135	H1	WAT	1275	-18.762	-21.632	13.410	0.417000
HETATM 7136	H2	WAT	1275	-18.828	-23.006	12.780	0.417000
HETATM 7137	O	WAT	1276	18.900	-21.403	5.396	-0.834000

HETATM 7138	H1	WAT	1276	18.642	-22.241	5.780	0.417000
HETATM 7139	H2	WAT	1276	19.569	-21.632	4.750	0.417000
HETATM 7140	O	WAT	1277	-2.105	-17.208	-26.440	-0.834000
HETATM 7141	H1	WAT	1277	-1.984	-18.150	-26.320	0.417000
HETATM 7142	H2	WAT	1277	-1.316	-16.922	-26.899	0.417000
HETATM 7143	O	WAT	1278	-3.130	-7.137	33.025	-0.834000
HETATM 7144	H1	WAT	1278	-2.673	-6.646	33.708	0.417000
HETATM 7145	H2	WAT	1278	-3.278	-6.497	32.329	0.417000
HETATM 7146	O	WAT	1279	-14.600	27.269	14.452	-0.834000
HETATM 7147	H1	WAT	1279	-14.813	28.150	14.757	0.417000
HETATM 7148	H2	WAT	1279	-14.525	27.357	13.501	0.417000
HETATM 7149	O	WAT	1280	-4.700	34.882	2.089	-0.834000
HETATM 7150	H1	WAT	1280	-4.060	34.393	2.605	0.417000
HETATM 7151	H2	WAT	1280	-5.308	34.216	1.767	0.417000
HETATM 7152	O	WAT	1281	11.294	-27.483	-7.193	-0.834000
HETATM 7153	H1	WAT	1281	10.493	-27.861	-7.557	0.417000
HETATM 7154	H2	WAT	1281	12.002	-27.944	-7.643	0.417000
HETATM 7155	O	WAT	1282	0.759	15.267	-12.428	-0.834000
HETATM 7156	H1	WAT	1282	0.386	15.877	-11.791	0.417000
HETATM 7157	H2	WAT	1282	1.418	15.782	-12.894	0.417000
HETATM 7158	O	WAT	1283	-11.090	6.639	-31.400	-0.834000
HETATM 7159	H1	WAT	1283	-11.749	6.523	-30.715	0.417000
HETATM 7160	H2	WAT	1283	-11.098	7.578	-31.583	0.417000
HETATM 7161	O	WAT	1284	-0.219	-11.362	-33.201	-0.834000
HETATM 7162	H1	WAT	1284	-0.225	-12.045	-33.871	0.417000
HETATM 7163	H2	WAT	1284	0.667	-11.388	-32.841	0.417000
HETATM 7164	O	WAT	1285	1.245	24.788	-22.775	-0.834000
HETATM 7165	H1	WAT	1285	0.564	24.346	-22.269	0.417000
HETATM 7166	H2	WAT	1285	0.859	24.908	-23.643	0.417000
HETATM 7167	O	WAT	1286	-15.482	-7.936	-23.385	-0.834000
HETATM 7168	H1	WAT	1286	-15.922	-7.169	-23.753	0.417000
HETATM 7169	H2	WAT	1286	-15.229	-7.666	-22.502	0.417000
HETATM 7170	O	WAT	1287	1.233	20.047	-20.880	-0.834000
HETATM 7171	H1	WAT	1287	1.145	20.242	-21.813	0.417000
HETATM 7172	H2	WAT	1287	1.395	20.898	-20.472	0.417000
HETATM 7173	O	WAT	1288	12.231	10.957	-11.223	-0.834000
HETATM 7174	H1	WAT	1288	12.308	10.886	-10.272	0.417000
HETATM 7175	H2	WAT	1288	12.126	11.894	-11.386	0.417000
HETATM 7176	O	WAT	1289	-6.004	28.419	1.861	-0.834000
HETATM 7177	H1	WAT	1289	-6.185	27.526	2.155	0.417000
HETATM 7178	H2	WAT	1289	-5.755	28.888	2.658	0.417000
HETATM 7179	O	WAT	1290	13.937	16.301	2.832	-0.834000
HETATM 7180	H1	WAT	1290	14.343	17.133	3.078	0.417000
HETATM 7181	H2	WAT	1290	14.584	15.638	3.075	0.417000
HETATM 7182	O	WAT	1291	-20.711	19.875	10.708	-0.834000
HETATM 7183	H1	WAT	1291	-20.700	19.858	11.665	0.417000
HETATM 7184	H2	WAT	1291	-20.753	18.954	10.453	0.417000
HETATM 7185	O	WAT	1292	13.975	-17.594	-18.247	-0.834000
HETATM 7186	H1	WAT	1292	14.926	-17.606	-18.138	0.417000
HETATM 7187	H2	WAT	1292	13.805	-16.816	-18.779	0.417000
HETATM 7188	O	WAT	1293	23.153	-13.538	-1.338	-0.834000
HETATM 7189	H1	WAT	1293	22.654	-14.325	-1.557	0.417000
HETATM 7190	H2	WAT	1293	22.596	-12.814	-1.621	0.417000
HETATM 7191	O	WAT	1294	-8.689	5.280	-21.739	-0.834000
HETATM 7192	H1	WAT	1294	-8.108	5.965	-21.408	0.417000
HETATM 7193	H2	WAT	1294	-8.385	4.480	-21.310	0.417000
HETATM 7194	O	WAT	1295	-13.830	-5.831	-1.614	-0.834000
HETATM 7195	H1	WAT	1295	-13.504	-6.667	-1.946	0.417000
HETATM 7196	H2	WAT	1295	-14.665	-6.047	-1.200	0.417000
HETATM 7197	O	WAT	1296	-7.721	14.149	-5.436	-0.834000
HETATM 7198	H1	WAT	1296	-8.357	13.728	-6.015	0.417000
HETATM 7199	H2	WAT	1296	-7.061	14.510	-6.029	0.417000
HETATM 7200	O	WAT	1297	4.893	15.052	-21.843	-0.834000
HETATM 7201	H1	WAT	1297	5.579	15.269	-21.212	0.417000
HETATM 7202	H2	WAT	1297	5.276	14.362	-22.384	0.417000
HETATM 7203	O	WAT	1298	3.177	-13.485	23.443	-0.834000
HETATM 7204	H1	WAT	1298	2.786	-13.306	22.588	0.417000
HETATM 7205	H2	WAT	1298	3.674	-12.693	23.649	0.417000
HETATM 7206	O	WAT	1299	-13.040	5.347	23.570	-0.834000
HETATM 7207	H1	WAT	1299	-13.839	5.060	24.013	0.417000

HETATM 7208	H2	WAT	1299	-13.201	6.266	23.357	0.417000
HETATM 7209	O	WAT	1300	3.443	25.208	-0.231	-0.834000
HETATM 7210	H1	WAT	1300	3.998	24.971	0.512	0.417000
HETATM 7211	H2	WAT	1300	3.882	25.960	-0.628	0.417000
HETATM 7212	O	WAT	1301	28.003	17.336	-13.020	-0.834000
HETATM 7213	H1	WAT	1301	27.601	16.519	-13.318	0.417000
HETATM 7214	H2	WAT	1301	28.050	17.880	-13.806	0.417000
HETATM 7215	O	WAT	1302	2.777	-20.317	21.863	-0.834000
HETATM 7216	H1	WAT	1302	2.042	-19.712	21.967	0.417000
HETATM 7217	H2	WAT	1302	2.420	-21.172	22.104	0.417000
HETATM 7218	O	WAT	1303	0.415	13.658	-20.495	-0.834000
HETATM 7219	H1	WAT	1303	0.456	13.542	-21.445	0.417000
HETATM 7220	H2	WAT	1303	1.183	14.190	-20.286	0.417000
HETATM 7221	O	WAT	1304	-5.207	21.052	-25.183	-0.834000
HETATM 7222	H1	WAT	1304	-4.900	20.789	-26.051	0.417000
HETATM 7223	H2	WAT	1304	-5.325	20.228	-24.711	0.417000
HETATM 7224	O	WAT	1305	10.285	29.339	-14.932	-0.834000
HETATM 7225	H1	WAT	1305	9.550	29.349	-15.544	0.417000
HETATM 7226	H2	WAT	1305	10.969	28.847	-15.387	0.417000
HETATM 7227	O	WAT	1306	-2.330	23.381	3.631	-0.834000
HETATM 7228	H1	WAT	1306	-2.897	24.096	3.339	0.417000
HETATM 7229	H2	WAT	1306	-2.203	23.543	4.566	0.417000
HETATM 7230	O	WAT	1307	-0.120	12.544	-27.092	-0.834000
HETATM 7231	H1	WAT	1307	0.289	13.400	-26.960	0.417000
HETATM 7232	H2	WAT	1307	-0.769	12.692	-27.779	0.417000
HETATM 7233	O	WAT	1308	9.931	17.456	4.287	-0.834000
HETATM 7234	H1	WAT	1308	10.289	17.976	5.006	0.417000
HETATM 7235	H2	WAT	1308	9.527	18.098	3.704	0.417000
HETATM 7236	O	WAT	1309	-12.855	19.743	-23.153	-0.834000
HETATM 7237	H1	WAT	1309	-12.965	20.694	-23.144	0.417000
HETATM 7238	H2	WAT	1309	-13.747	19.398	-23.123	0.417000
HETATM 7239	O	WAT	1310	26.687	-1.283	-14.893	-0.834000
HETATM 7240	H1	WAT	1310	27.252	-0.609	-14.515	0.417000
HETATM 7241	H2	WAT	1310	26.830	-1.214	-15.837	0.417000
HETATM 7242	O	WAT	1311	23.883	-10.599	-12.109	-0.834000
HETATM 7243	H1	WAT	1311	24.341	-11.135	-12.757	0.417000
HETATM 7244	H2	WAT	1311	24.419	-9.811	-12.027	0.417000
HETATM 7245	O	WAT	1312	-0.409	-33.928	1.569	-0.834000
HETATM 7246	H1	WAT	1312	-1.206	-33.871	1.042	0.417000
HETATM 7247	H2	WAT	1312	0.200	-33.321	1.149	0.417000
HETATM 7248	O	WAT	1313	-3.728	-20.235	-13.410	-0.834000
HETATM 7249	H1	WAT	1313	-4.135	-20.728	-12.698	0.417000
HETATM 7250	H2	WAT	1313	-4.454	-20.007	-13.990	0.417000
HETATM 7251	O	WAT	1314	-8.209	20.772	4.178	-0.834000
HETATM 7252	H1	WAT	1314	-7.778	20.768	5.032	0.417000
HETATM 7253	H2	WAT	1314	-9.128	20.588	4.373	0.417000
HETATM 7254	O	WAT	1315	5.255	9.132	-16.856	-0.834000
HETATM 7255	H1	WAT	1315	4.726	8.632	-16.234	0.417000
HETATM 7256	H2	WAT	1315	4.636	9.397	-17.537	0.417000
HETATM 7257	O	WAT	1316	8.269	14.531	-24.712	-0.834000
HETATM 7258	H1	WAT	1316	7.975	15.388	-25.021	0.417000
HETATM 7259	H2	WAT	1316	9.179	14.671	-24.448	0.417000
HETATM 7260	O	WAT	1317	-20.410	-0.089	-23.475	-0.834000
HETATM 7261	H1	WAT	1317	-20.429	-0.395	-24.382	0.417000
HETATM 7262	H2	WAT	1317	-20.882	0.743	-23.493	0.417000
HETATM 7263	O	WAT	1318	6.764	1.852	-31.551	-0.834000
HETATM 7264	H1	WAT	1318	6.022	2.170	-31.037	0.417000
HETATM 7265	H2	WAT	1318	7.310	1.385	-30.919	0.417000
HETATM 7266	O	WAT	1319	21.483	6.667	1.106	-0.834000
HETATM 7267	H1	WAT	1319	21.551	5.714	1.052	0.417000
HETATM 7268	H2	WAT	1319	22.390	6.973	1.079	0.417000
HETATM 7269	O	WAT	1320	0.810	27.032	-3.849	-0.834000
HETATM 7270	H1	WAT	1320	1.304	27.347	-3.091	0.417000
HETATM 7271	H2	WAT	1320	0.061	27.625	-3.910	0.417000
HETATM 7272	O	WAT	1321	12.343	9.934	1.222	-0.834000
HETATM 7273	H1	WAT	1321	12.908	9.646	1.939	0.417000
HETATM 7274	H2	WAT	1321	12.286	9.175	0.642	0.417000
HETATM 7275	O	WAT	1322	11.566	-8.271	13.611	-0.834000
HETATM 7276	H1	WAT	1322	11.091	-9.049	13.321	0.417000
HETATM 7277	H2	WAT	1322	11.394	-8.221	14.551	0.417000

HETATM 7278	O	WAT	1323	10.300	24.223	15.143	-0.834000
HETATM 7279	H1	WAT	1323	11.143	24.495	14.781	0.417000
HETATM 7280	H2	WAT	1323	9.743	24.997	15.060	0.417000
HETATM 7281	O	WAT	1324	-17.243	-22.894	-16.077	-0.834000
HETATM 7282	H1	WAT	1324	-16.974	-22.170	-16.641	0.417000
HETATM 7283	H2	WAT	1324	-17.236	-22.526	-15.194	0.417000
HETATM 7284	O	WAT	1325	-15.682	7.584	-8.215	-0.834000
HETATM 7285	H1	WAT	1325	-15.658	7.893	-9.120	0.417000
HETATM 7286	H2	WAT	1325	-15.687	8.384	-7.689	0.417000
HETATM 7287	O	WAT	1326	-9.029	-12.106	-21.072	-0.834000
HETATM 7288	H1	WAT	1326	-9.303	-13.007	-20.901	0.417000
HETATM 7289	H2	WAT	1326	-9.099	-11.669	-20.223	0.417000
HETATM 7290	O	WAT	1327	9.440	-25.395	21.589	-0.834000
HETATM 7291	H1	WAT	1327	9.404	-25.794	20.720	0.417000
HETATM 7292	H2	WAT	1327	9.293	-24.462	21.431	0.417000
HETATM 7293	O	WAT	1328	-2.155	23.838	-15.940	-0.834000
HETATM 7294	H1	WAT	1328	-1.505	24.538	-15.874	0.417000
HETATM 7295	H2	WAT	1328	-2.897	24.152	-15.422	0.417000
HETATM 7296	O	WAT	1329	-30.344	4.633	4.662	-0.834000
HETATM 7297	H1	WAT	1329	-30.833	4.634	5.485	0.417000
HETATM 7298	H2	WAT	1329	-29.725	3.909	4.752	0.417000
HETATM 7299	O	WAT	1330	3.206	7.812	22.654	-0.834000
HETATM 7300	H1	WAT	1330	3.437	7.209	23.360	0.417000
HETATM 7301	H2	WAT	1330	3.094	8.658	23.089	0.417000
HETATM 7302	O	WAT	1331	3.728	6.259	20.533	-0.834000
HETATM 7303	H1	WAT	1331	3.564	6.894	21.230	0.417000
HETATM 7304	H2	WAT	1331	2.979	5.665	20.569	0.417000
HETATM 7305	O	WAT	1332	-19.368	-24.124	15.647	-0.834000
HETATM 7306	H1	WAT	1332	-19.247	-23.771	16.529	0.417000
HETATM 7307	H2	WAT	1332	-19.100	-23.413	15.065	0.417000
HETATM 7308	O	WAT	1333	14.119	-22.708	20.703	-0.834000
HETATM 7309	H1	WAT	1333	13.540	-22.781	19.944	0.417000
HETATM 7310	H2	WAT	1333	14.166	-21.769	20.879	0.417000
HETATM 7311	O	WAT	1334	15.786	-10.222	-23.925	-0.834000
HETATM 7312	H1	WAT	1334	15.785	-10.922	-24.578	0.417000
HETATM 7313	H2	WAT	1334	15.291	-9.512	-24.335	0.417000
HETATM 7314	O	WAT	1335	-9.142	-28.181	-13.801	-0.834000
HETATM 7315	H1	WAT	1335	-8.676	-29.012	-13.894	0.417000
HETATM 7316	H2	WAT	1335	-9.477	-27.995	-14.678	0.417000
HETATM 7317	O	WAT	1336	31.678	5.020	2.672	-0.834000
HETATM 7318	H1	WAT	1336	32.241	4.463	3.209	0.417000
HETATM 7319	H2	WAT	1336	32.095	5.023	1.810	0.417000
HETATM 7320	O	WAT	1337	9.105	5.324	31.444	-0.834000
HETATM 7321	H1	WAT	1337	8.475	5.854	31.933	0.417000
HETATM 7322	H2	WAT	1337	9.607	5.959	30.933	0.417000
HETATM 7323	O	WAT	1338	-0.496	-15.782	29.133	-0.834000
HETATM 7324	H1	WAT	1338	0.290	-16.088	28.680	0.417000
HETATM 7325	H2	WAT	1338	-0.451	-16.193	29.996	0.417000
HETATM 7326	O	WAT	1339	-27.140	-13.016	2.534	-0.834000
HETATM 7327	H1	WAT	1339	-27.621	-12.344	2.050	0.417000
HETATM 7328	H2	WAT	1339	-26.414	-12.544	2.941	0.417000
HETATM 7329	O	WAT	1340	-7.922	-19.697	13.621	-0.834000
HETATM 7330	H1	WAT	1340	-8.166	-20.285	14.336	0.417000
HETATM 7331	H2	WAT	1340	-8.072	-20.210	12.827	0.417000
HETATM 7332	O	WAT	1341	10.707	-16.748	17.380	-0.834000
HETATM 7333	H1	WAT	1341	9.977	-16.664	16.767	0.417000
HETATM 7334	H2	WAT	1341	11.088	-15.871	17.421	0.417000
HETATM 7335	O	WAT	1342	-0.474	-11.285	-28.398	-0.834000
HETATM 7336	H1	WAT	1342	-0.641	-11.639	-29.272	0.417000
HETATM 7337	H2	WAT	1342	-0.861	-10.410	-28.417	0.417000
HETATM 7338	O	WAT	1343	-22.922	-23.009	7.170	-0.834000
HETATM 7339	H1	WAT	1343	-23.268	-22.693	6.335	0.417000
HETATM 7340	H2	WAT	1343	-22.200	-22.414	7.370	0.417000
HETATM 7341	O	WAT	1344	14.515	15.821	-22.367	-0.834000
HETATM 7342	H1	WAT	1344	14.081	16.138	-23.159	0.417000
HETATM 7343	H2	WAT	1344	14.078	16.285	-21.653	0.417000
HETATM 7344	O	WAT	1345	-1.554	21.654	26.758	-0.834000
HETATM 7345	H1	WAT	1345	-2.422	21.997	26.548	0.417000
HETATM 7346	H2	WAT	1345	-1.072	22.410	27.094	0.417000
HETATM 7347	O	WAT	1346	-8.503	-22.412	19.433	-0.834000

HETATM 7348	H1	WAT	1346	-9.138	-23.031	19.074	0.417000
HETATM 7349	H2	WAT	1346	-8.830	-22.216	20.311	0.417000
HETATM 7350	O	WAT	1347	0.108	19.769	20.542	-0.834000
HETATM 7351	H1	WAT	1347	-0.763	20.142	20.407	0.417000
HETATM 7352	H2	WAT	1347	0.052	19.327	21.389	0.417000
HETATM 7353	O	WAT	1348	-6.092	-13.060	-9.288	-0.834000
HETATM 7354	H1	WAT	1348	-5.625	-12.263	-9.539	0.417000
HETATM 7355	H2	WAT	1348	-5.655	-13.757	-9.778	0.417000
HETATM 7356	O	WAT	1349	29.137	-5.063	19.046	-0.834000
HETATM 7357	H1	WAT	1349	28.853	-4.721	19.894	0.417000
HETATM 7358	H2	WAT	1349	28.621	-5.859	18.923	0.417000
HETATM 7359	O	WAT	1350	-32.781	0.578	-8.470	-0.834000
HETATM 7360	H1	WAT	1350	-33.326	0.339	-9.220	0.417000
HETATM 7361	H2	WAT	1350	-31.961	0.104	-8.609	0.417000
HETATM 7362	O	WAT	1351	6.796	16.518	20.329	-0.834000
HETATM 7363	H1	WAT	1351	7.392	16.041	19.753	0.417000
HETATM 7364	H2	WAT	1351	5.956	16.071	20.230	0.417000
HETATM 7365	O	WAT	1352	25.964	23.542	2.346	-0.834000
HETATM 7366	H1	WAT	1352	26.474	24.117	2.916	0.417000
HETATM 7367	H2	WAT	1352	25.415	23.037	2.944	0.417000
HETATM 7368	O	WAT	1353	7.499	-19.451	19.733	-0.834000
HETATM 7369	H1	WAT	1353	6.849	-19.949	19.237	0.417000
HETATM 7370	H2	WAT	1353	7.552	-19.900	20.577	0.417000
HETATM 7371	O	WAT	1354	-29.814	-11.763	-8.495	-0.834000
HETATM 7372	H1	WAT	1354	-30.520	-12.374	-8.704	0.417000
HETATM 7373	H2	WAT	1354	-29.040	-12.317	-8.392	0.417000
HETATM 7374	O	WAT	1355	-21.842	2.205	-23.569	-0.834000
HETATM 7375	H1	WAT	1355	-21.649	2.806	-22.850	0.417000
HETATM 7376	H2	WAT	1355	-22.768	2.352	-23.762	0.417000
HETATM 7377	O	WAT	1356	0.322	-30.549	-4.864	-0.834000
HETATM 7378	H1	WAT	1356	0.984	-31.067	-5.321	0.417000
HETATM 7379	H2	WAT	1356	0.353	-30.864	-3.960	0.417000
HETATM 7380	O	WAT	1357	-12.370	24.361	6.323	-0.834000
HETATM 7381	H1	WAT	1357	-12.915	24.758	7.003	0.417000
HETATM 7382	H2	WAT	1357	-12.489	24.928	5.561	0.417000
HETATM 7383	O	WAT	1358	28.779	19.693	3.076	-0.834000
HETATM 7384	H1	WAT	1358	29.408	20.286	2.666	0.417000
HETATM 7385	H2	WAT	1358	29.258	18.872	3.184	0.417000
HETATM 7386	O	WAT	1359	-27.893	-7.490	19.416	-0.834000
HETATM 7387	H1	WAT	1359	-27.459	-8.295	19.699	0.417000
HETATM 7388	H2	WAT	1359	-28.195	-7.083	20.228	0.417000
HETATM 7389	O	WAT	1360	-0.546	2.753	-27.540	-0.834000
HETATM 7390	H1	WAT	1360	-1.047	3.117	-26.810	0.417000
HETATM 7391	H2	WAT	1360	-0.693	1.808	-27.484	0.417000
HETATM 7392	O	WAT	1361	-14.648	14.598	25.871	-0.834000
HETATM 7393	H1	WAT	1361	-14.172	13.783	25.714	0.417000
HETATM 7394	H2	WAT	1361	-14.748	14.638	26.822	0.417000
HETATM 7395	O	WAT	1362	22.043	-19.787	-17.787	-0.834000
HETATM 7396	H1	WAT	1362	21.611	-20.322	-18.453	0.417000
HETATM 7397	H2	WAT	1362	22.271	-18.976	-18.242	0.417000
HETATM 7398	O	WAT	1363	13.981	12.245	27.858	-0.834000
HETATM 7399	H1	WAT	1363	13.120	12.591	28.095	0.417000
HETATM 7400	H2	WAT	1363	14.049	12.399	26.916	0.417000
HETATM 7401	O	WAT	1364	-10.348	-27.212	18.379	-0.834000
HETATM 7402	H1	WAT	1364	-10.268	-28.163	18.303	0.417000
HETATM 7403	H2	WAT	1364	-11.121	-27.079	18.927	0.417000
HETATM 7404	O	WAT	1365	1.705	30.605	-0.696	-0.834000
HETATM 7405	H1	WAT	1365	2.244	31.215	-0.192	0.417000
HETATM 7406	H2	WAT	1365	0.914	30.493	-0.169	0.417000
HETATM 7407	O	WAT	1366	-13.891	-14.777	-4.649	-0.834000
HETATM 7408	H1	WAT	1366	-13.915	-14.903	-3.700	0.417000
HETATM 7409	H2	WAT	1366	-13.837	-15.663	-5.007	0.417000
HETATM 7410	O	WAT	1367	14.255	13.315	6.042	-0.834000
HETATM 7411	H1	WAT	1367	13.317	13.492	5.970	0.417000
HETATM 7412	H2	WAT	1367	14.306	12.434	6.411	0.417000
HETATM 7413	O	WAT	1368	8.254	32.221	6.351	-0.834000
HETATM 7414	H1	WAT	1368	7.632	32.934	6.205	0.417000
HETATM 7415	H2	WAT	1368	8.284	32.120	7.302	0.417000
HETATM 7416	O	WAT	1369	-11.407	-6.355	-17.729	-0.834000
HETATM 7417	H1	WAT	1369	-10.989	-6.423	-16.871	0.417000

HETATM 7418	H2	WAT	1369	-11.322	-7.230	-18.107	0.417000
HETATM 7419	O	WAT	1370	-20.575	-9.675	21.172	-0.834000
HETATM 7420	H1	WAT	1370	-20.315	-10.094	20.351	0.417000
HETATM 7421	H2	WAT	1370	-19.796	-9.731	21.725	0.417000
HETATM 7422	O	WAT	1371	-7.596	8.391	-29.077	-0.834000
HETATM 7423	H1	WAT	1371	-7.944	7.723	-29.668	0.417000
HETATM 7424	H2	WAT	1371	-8.362	8.711	-28.600	0.417000
HETATM 7425	O	WAT	1372	13.620	11.502	18.510	-0.834000
HETATM 7426	H1	WAT	1372	13.792	12.263	17.957	0.417000
HETATM 7427	H2	WAT	1372	13.748	11.821	19.404	0.417000
HETATM 7428	O	WAT	1373	-21.091	-16.193	10.759	-0.834000
HETATM 7429	H1	WAT	1373	-20.459	-16.632	10.190	0.417000
HETATM 7430	H2	WAT	1373	-21.846	-16.782	10.777	0.417000
HETATM 7431	O	WAT	1374	-1.241	-29.294	-8.821	-0.834000
HETATM 7432	H1	WAT	1374	-1.517	-28.442	-8.482	0.417000
HETATM 7433	H2	WAT	1374	-1.773	-29.422	-9.607	0.417000
HETATM 7434	O	WAT	1375	16.067	15.302	6.860	-0.834000
HETATM 7435	H1	WAT	1375	15.418	14.670	6.549	0.417000
HETATM 7436	H2	WAT	1375	16.362	14.948	7.698	0.417000
HETATM 7437	O	WAT	1376	-21.921	8.571	-1.549	-0.834000
HETATM 7438	H1	WAT	1376	-21.227	7.991	-1.236	0.417000
HETATM 7439	H2	WAT	1376	-21.722	8.705	-2.476	0.417000
HETATM 7440	O	WAT	1377	-8.924	3.231	31.418	-0.834000
HETATM 7441	H1	WAT	1377	-8.497	2.779	32.146	0.417000
HETATM 7442	H2	WAT	1377	-9.854	3.223	31.645	0.417000
HETATM 7443	O	WAT	1378	-24.240	8.612	3.774	-0.834000
HETATM 7444	H1	WAT	1378	-24.812	8.639	3.006	0.417000
HETATM 7445	H2	WAT	1378	-23.659	7.868	3.613	0.417000
HETATM 7446	O	WAT	1379	19.820	10.504	20.539	-0.834000
HETATM 7447	H1	WAT	1379	19.686	9.761	21.127	0.417000
HETATM 7448	H2	WAT	1379	20.732	10.425	20.258	0.417000
HETATM 7449	O	WAT	1380	-24.272	18.454	-9.162	-0.834000
HETATM 7450	H1	WAT	1380	-24.017	19.174	-8.585	0.417000
HETATM 7451	H2	WAT	1380	-23.650	18.497	-9.889	0.417000
HETATM 7452	O	WAT	1381	12.403	31.949	4.590	-0.834000
HETATM 7453	H1	WAT	1381	12.434	31.176	5.153	0.417000
HETATM 7454	H2	WAT	1381	12.595	32.681	5.176	0.417000
HETATM 7455	O	WAT	1382	-14.881	-7.617	24.369	-0.834000
HETATM 7456	H1	WAT	1382	-14.108	-7.060	24.456	0.417000
HETATM 7457	H2	WAT	1382	-15.616	-7.005	24.342	0.417000
HETATM 7458	O	WAT	1383	1.523	-21.832	-23.992	-0.834000
HETATM 7459	H1	WAT	1383	1.631	-21.196	-23.285	0.417000
HETATM 7460	H2	WAT	1383	2.155	-22.522	-23.793	0.417000
HETATM 7461	O	WAT	1384	21.104	-21.494	12.509	-0.834000
HETATM 7462	H1	WAT	1384	21.368	-22.078	11.798	0.417000
HETATM 7463	H2	WAT	1384	20.927	-22.078	13.246	0.417000
HETATM 7464	O	WAT	1385	-3.910	30.373	-10.285	-0.834000
HETATM 7465	H1	WAT	1385	-4.125	31.136	-9.748	0.417000
HETATM 7466	H2	WAT	1385	-3.074	30.596	-10.695	0.417000
HETATM 7467	O	WAT	1386	-13.188	26.621	19.104	-0.834000
HETATM 7468	H1	WAT	1386	-13.022	26.723	18.167	0.417000
HETATM 7469	H2	WAT	1386	-13.088	25.682	19.264	0.417000
HETATM 7470	O	WAT	1387	-24.531	-2.977	18.425	-0.834000
HETATM 7471	H1	WAT	1387	-25.303	-2.956	17.859	0.417000
HETATM 7472	H2	WAT	1387	-24.884	-2.925	19.313	0.417000
HETATM 7473	O	WAT	1388	-26.977	12.972	5.682	-0.834000
HETATM 7474	H1	WAT	1388	-26.134	13.266	5.338	0.417000
HETATM 7475	H2	WAT	1388	-27.550	12.937	4.915	0.417000
HETATM 7476	O	WAT	1389	17.324	-8.488	-22.492	-0.834000
HETATM 7477	H1	WAT	1389	17.769	-7.881	-23.082	0.417000
HETATM 7478	H2	WAT	1389	16.884	-9.108	-23.073	0.417000
HETATM 7479	O	WAT	1390	-22.631	9.147	12.408	-0.834000
HETATM 7480	H1	WAT	1390	-22.809	9.877	13.001	0.417000
HETATM 7481	H2	WAT	1390	-22.477	9.561	11.559	0.417000
HETATM 7482	O	WAT	1391	6.371	13.175	-23.208	-0.834000
HETATM 7483	H1	WAT	1391	7.061	13.653	-23.667	0.417000
HETATM 7484	H2	WAT	1391	6.188	12.421	-23.768	0.417000
HETATM 7485	O	WAT	1392	-10.339	28.102	-0.058	-0.834000
HETATM 7486	H1	WAT	1392	-10.885	28.461	0.641	0.417000
HETATM 7487	H2	WAT	1392	-9.521	28.597	-0.001	0.417000

HETATM 7488	O	WAT	1393	6.030	12.273	30.072	-0.834000
HETATM 7489	H1	WAT	1393	5.172	12.202	30.491	0.417000
HETATM 7490	H2	WAT	1393	6.655	12.205	30.793	0.417000
HETATM 7491	O	WAT	1394	-22.088	-7.406	21.050	-0.834000
HETATM 7492	H1	WAT	1394	-21.540	-8.190	21.064	0.417000
HETATM 7493	H2	WAT	1394	-21.504	-6.699	21.324	0.417000
HETATM 7494	O	WAT	1395	13.257	21.592	13.572	-0.834000
HETATM 7495	H1	WAT	1395	13.535	22.410	13.158	0.417000
HETATM 7496	H2	WAT	1395	12.368	21.449	13.246	0.417000
HETATM 7497	O	WAT	1396	-22.917	4.901	0.631	-0.834000
HETATM 7498	H1	WAT	1396	-22.265	4.885	-0.070	0.417000
HETATM 7499	H2	WAT	1396	-23.759	4.890	0.175	0.417000
HETATM 7500	O	WAT	1397	-1.730	25.625	20.293	-0.834000
HETATM 7501	H1	WAT	1397	-0.943	25.081	20.329	0.417000
HETATM 7502	H2	WAT	1397	-1.533	26.288	19.631	0.417000
HETATM 7503	O	WAT	1398	-22.430	-16.635	-17.218	-0.834000
HETATM 7504	H1	WAT	1398	-23.139	-17.190	-16.891	0.417000
HETATM 7505	H2	WAT	1398	-22.561	-15.795	-16.778	0.417000
HETATM 7506	O	WAT	1399	5.071	5.366	-24.601	-0.834000
HETATM 7507	H1	WAT	1399	4.748	4.764	-23.930	0.417000
HETATM 7508	H2	WAT	1399	6.023	5.283	-24.558	0.417000
HETATM 7509	O	WAT	1400	10.248	-22.027	10.346	-0.834000
HETATM 7510	H1	WAT	1400	11.018	-21.459	10.357	0.417000
HETATM 7511	H2	WAT	1400	9.528	-21.462	10.625	0.417000
HETATM 7512	O	WAT	1401	-13.846	-2.256	22.466	-0.834000
HETATM 7513	H1	WAT	1401	-14.550	-2.902	22.410	0.417000
HETATM 7514	H2	WAT	1401	-13.104	-2.740	22.828	0.417000
HETATM 7515	O	WAT	1402	-13.069	22.493	-23.047	-0.834000
HETATM 7516	H1	WAT	1402	-13.964	22.770	-23.243	0.417000
HETATM 7517	H2	WAT	1402	-12.517	23.133	-23.498	0.417000
HETATM 7518	O	WAT	1403	9.394	9.588	-16.020	-0.834000
HETATM 7519	H1	WAT	1403	9.330	8.692	-15.690	0.417000
HETATM 7520	H2	WAT	1403	8.565	9.996	-15.769	0.417000
HETATM 7521	O	WAT	1404	-23.565	20.474	13.506	-0.834000
HETATM 7522	H1	WAT	1404	-24.196	20.647	14.204	0.417000
HETATM 7523	H2	WAT	1404	-22.923	21.180	13.584	0.417000
HETATM 7524	O	WAT	1405	-13.979	7.734	-19.611	-0.834000
HETATM 7525	H1	WAT	1405	-13.089	7.383	-19.578	0.417000
HETATM 7526	H2	WAT	1405	-13.864	8.656	-19.842	0.417000
HETATM 7527	O	WAT	1406	-16.396	-21.807	16.758	-0.834000
HETATM 7528	H1	WAT	1406	-16.666	-20.980	16.358	0.417000
HETATM 7529	H2	WAT	1406	-16.823	-21.809	17.615	0.417000
HETATM 7530	O	WAT	1407	-17.895	-11.272	-1.897	-0.834000
HETATM 7531	H1	WAT	1407	-18.721	-11.507	-1.476	0.417000
HETATM 7532	H2	WAT	1407	-18.154	-10.770	-2.670	0.417000
HETATM 7533	O	WAT	1408	-5.519	-8.476	33.516	-0.834000
HETATM 7534	H1	WAT	1408	-4.712	-8.033	33.254	0.417000
HETATM 7535	H2	WAT	1408	-5.439	-8.577	34.465	0.417000
HETATM 7536	O	WAT	1409	12.940	-4.750	-26.610	-0.834000
HETATM 7537	H1	WAT	1409	13.039	-5.144	-27.477	0.417000
HETATM 7538	H2	WAT	1409	12.026	-4.913	-26.376	0.417000
HETATM 7539	O	WAT	1410	0.491	19.537	-3.211	-0.834000
HETATM 7540	H1	WAT	1410	0.960	20.107	-2.601	0.417000
HETATM 7541	H2	WAT	1410	1.022	18.742	-3.252	0.417000
HETATM 7542	O	WAT	1411	-0.437	-23.915	-16.400	-0.834000
HETATM 7543	H1	WAT	1411	-0.072	-24.469	-15.710	0.417000
HETATM 7544	H2	WAT	1411	-0.442	-23.035	-16.024	0.417000
HETATM 7545	O	WAT	1412	9.456	-3.979	15.345	-0.834000
HETATM 7546	H1	WAT	1412	10.010	-4.644	14.937	0.417000
HETATM 7547	H2	WAT	1412	9.378	-3.293	14.682	0.417000
HETATM 7548	O	WAT	1413	0.696	24.292	-3.694	-0.834000
HETATM 7549	H1	WAT	1413	1.496	24.001	-3.257	0.417000
HETATM 7550	H2	WAT	1413	0.808	25.238	-3.793	0.417000
HETATM 7551	O	WAT	1414	-12.847	-2.190	-24.227	-0.834000
HETATM 7552	H1	WAT	1414	-13.247	-1.508	-24.767	0.417000
HETATM 7553	H2	WAT	1414	-11.927	-1.936	-24.164	0.417000
HETATM 7554	O	WAT	1415	17.317	-29.575	-7.299	-0.834000
HETATM 7555	H1	WAT	1415	17.756	-29.074	-7.987	0.417000
HETATM 7556	H2	WAT	1415	17.195	-30.445	-7.678	0.417000
HETATM 7557	O	WAT	1416	-25.062	21.397	1.393	-0.834000

HETATM 7558	H1	WAT	1416	-25.695	21.665	0.727	0.417000
HETATM 7559	H2	WAT	1416	-24.908	22.189	1.909	0.417000
HETATM 7560	O	WAT	1417	22.546	12.263	-4.184	-0.834000
HETATM 7561	H1	WAT	1417	21.594	12.278	-4.279	0.417000
HETATM 7562	H2	WAT	1417	22.840	13.080	-4.586	0.417000
HETATM 7563	O	WAT	1418	26.197	5.884	-11.270	-0.834000
HETATM 7564	H1	WAT	1418	26.531	6.362	-12.029	0.417000
HETATM 7565	H2	WAT	1418	26.817	5.165	-11.149	0.417000
HETATM 7566	O	WAT	1419	16.538	7.536	-16.765	-0.834000
HETATM 7567	H1	WAT	1419	16.001	8.326	-16.827	0.417000
HETATM 7568	H2	WAT	1419	16.586	7.353	-15.827	0.417000
HETATM 7569	O	WAT	1420	-11.556	23.286	0.177	-0.834000
HETATM 7570	H1	WAT	1420	-10.877	22.624	0.311	0.417000
HETATM 7571	H2	WAT	1420	-11.088	24.120	0.209	0.417000
HETATM 7572	O	WAT	1421	-10.595	-23.145	-21.160	-0.834000
HETATM 7573	H1	WAT	1421	-10.614	-22.324	-20.668	0.417000
HETATM 7574	H2	WAT	1421	-9.917	-23.011	-21.822	0.417000
HETATM 7575	O	WAT	1422	-24.788	4.650	4.148	-0.834000
HETATM 7576	H1	WAT	1422	-24.228	5.337	3.787	0.417000
HETATM 7577	H2	WAT	1422	-25.018	4.963	5.023	0.417000
HETATM 7578	O	WAT	1423	-12.873	-10.599	-15.590	-0.834000
HETATM 7579	H1	WAT	1423	-11.978	-10.928	-15.504	0.417000
HETATM 7580	H2	WAT	1423	-13.401	-11.380	-15.752	0.417000
HETATM 7581	O	WAT	1424	-4.611	30.571	-4.023	-0.834000
HETATM 7582	H1	WAT	1424	-5.513	30.314	-4.212	0.417000
HETATM 7583	H2	WAT	1424	-4.235	29.814	-3.573	0.417000
HETATM 7584	O	WAT	1425	-23.593	-11.914	-11.709	-0.834000
HETATM 7585	H1	WAT	1425	-23.271	-11.652	-12.571	0.417000
HETATM 7586	H2	WAT	1425	-23.302	-11.215	-11.123	0.417000
HETATM 7587	O	WAT	1426	26.062	14.396	2.531	-0.834000
HETATM 7588	H1	WAT	1426	25.120	14.296	2.395	0.417000
HETATM 7589	H2	WAT	1426	26.147	14.636	3.453	0.417000
HETATM 7590	O	WAT	1427	-9.095	25.352	21.611	-0.834000
HETATM 7591	H1	WAT	1427	-9.059	25.858	20.799	0.417000
HETATM 7592	H2	WAT	1427	-9.078	26.011	22.305	0.417000
HETATM 7593	O	WAT	1428	26.233	14.822	5.284	-0.834000
HETATM 7594	H1	WAT	1428	25.439	15.090	5.746	0.417000
HETATM 7595	H2	WAT	1428	26.410	13.938	5.605	0.417000
HETATM 7596	O	WAT	1429	-30.970	14.853	0.354	-0.834000
HETATM 7597	H1	WAT	1429	-30.415	15.003	-0.411	0.417000
HETATM 7598	H2	WAT	1429	-31.358	15.708	0.540	0.417000
HETATM 7599	O	WAT	1430	-16.177	1.086	-23.481	-0.834000
HETATM 7600	H1	WAT	1430	-15.395	1.488	-23.104	0.417000
HETATM 7601	H2	WAT	1430	-16.694	0.810	-22.724	0.417000
HETATM 7602	O	WAT	1431	16.365	-11.637	9.377	-0.834000
HETATM 7603	H1	WAT	1431	16.876	-11.983	10.109	0.417000
HETATM 7604	H2	WAT	1431	15.750	-11.026	9.783	0.417000
HETATM 7605	O	WAT	1432	1.979	11.257	-9.622	-0.834000
HETATM 7606	H1	WAT	1432	2.105	11.561	-8.723	0.417000
HETATM 7607	H2	WAT	1432	1.241	10.649	-9.569	0.417000
HETATM 7608	O	WAT	1433	-6.946	-13.829	-18.482	-0.834000
HETATM 7609	H1	WAT	1433	-7.144	-14.543	-19.087	0.417000
HETATM 7610	H2	WAT	1433	-6.301	-13.294	-18.945	0.417000
HETATM 7611	O	WAT	1434	14.493	-8.021	-24.909	-0.834000
HETATM 7612	H1	WAT	1434	14.101	-8.116	-25.777	0.417000
HETATM 7613	H2	WAT	1434	14.664	-7.083	-24.825	0.417000
HETATM 7614	O	WAT	1435	-27.684	17.363	-1.829	-0.834000
HETATM 7615	H1	WAT	1435	-27.470	17.325	-0.897	0.417000
HETATM 7616	H2	WAT	1435	-26.835	17.348	-2.270	0.417000
HETATM 7617	O	WAT	1436	-10.579	-11.075	18.079	-0.834000
HETATM 7618	H1	WAT	1436	-9.999	-11.574	18.654	0.417000
HETATM 7619	H2	WAT	1436	-11.035	-10.470	18.664	0.417000
HETATM 7620	O	WAT	1437	9.444	33.285	-2.645	-0.834000
HETATM 7621	H1	WAT	1437	9.699	32.631	-1.995	0.417000
HETATM 7622	H2	WAT	1437	8.690	33.728	-2.255	0.417000
HETATM 7623	O	WAT	1438	-2.071	-30.105	-16.950	-0.834000
HETATM 7624	H1	WAT	1438	-1.249	-30.354	-17.371	0.417000
HETATM 7625	H2	WAT	1438	-2.163	-30.719	-16.221	0.417000
HETATM 7626	O	WAT	1439	10.891	0.917	-26.151	-0.834000
HETATM 7627	H1	WAT	1439	11.486	0.170	-26.096	0.417000

HETATM 7628	H2	WAT	1439	10.156	0.680	-25.585	0.417000
HETATM 7629	O	WAT	1440	26.082	-6.525	-13.877	-0.834000
HETATM 7630	H1	WAT	1440	26.240	-5.593	-13.729	0.417000
HETATM 7631	H2	WAT	1440	26.698	-6.765	-14.569	0.417000
HETATM 7632	O	WAT	1441	28.614	-9.615	-3.578	-0.834000
HETATM 7633	H1	WAT	1441	27.825	-10.086	-3.844	0.417000
HETATM 7634	H2	WAT	1441	28.356	-9.141	-2.788	0.417000
HETATM 7635	O	WAT	1442	-21.074	20.865	15.936	-0.834000
HETATM 7636	H1	WAT	1442	-21.198	21.236	16.810	0.417000
HETATM 7637	H2	WAT	1442	-21.390	21.545	15.341	0.417000
HETATM 7638	O	WAT	1443	4.140	5.193	-27.141	-0.834000
HETATM 7639	H1	WAT	1443	4.415	5.275	-26.227	0.417000
HETATM 7640	H2	WAT	1443	3.537	4.450	-27.143	0.417000
HETATM 7641	O	WAT	1444	14.012	13.159	-8.556	-0.834000
HETATM 7642	H1	WAT	1444	13.429	12.399	-8.558	0.417000
HETATM 7643	H2	WAT	1444	14.777	12.875	-9.056	0.417000
HETATM 7644	O	WAT	1445	-11.712	10.100	-22.346	-0.834000
HETATM 7645	H1	WAT	1445	-10.913	9.670	-22.650	0.417000
HETATM 7646	H2	WAT	1445	-11.612	11.012	-22.617	0.417000
HETATM 7647	O	WAT	1446	-11.353	-24.683	6.367	-0.834000
HETATM 7648	H1	WAT	1446	-11.188	-25.074	5.509	0.417000
HETATM 7649	H2	WAT	1446	-11.519	-23.759	6.181	0.417000
HETATM 7650	O	WAT	1447	-12.725	-5.842	24.436	-0.834000
HETATM 7651	H1	WAT	1447	-12.359	-5.010	24.135	0.417000
HETATM 7652	H2	WAT	1447	-11.999	-6.462	24.367	0.417000
HETATM 7653	O	WAT	1448	-0.391	13.946	31.713	-0.834000
HETATM 7654	H1	WAT	1448	-1.155	14.106	31.159	0.417000
HETATM 7655	H2	WAT	1448	0.248	13.538	31.128	0.417000
HETATM 7656	O	WAT	1449	21.896	5.428	-4.843	-0.834000
HETATM 7657	H1	WAT	1449	21.750	5.420	-3.897	0.417000
HETATM 7658	H2	WAT	1449	21.294	6.096	-5.173	0.417000
HETATM 7659	O	WAT	1450	7.291	-28.506	14.968	-0.834000
HETATM 7660	H1	WAT	1450	7.884	-28.955	15.570	0.417000
HETATM 7661	H2	WAT	1450	7.654	-28.682	14.099	0.417000
HETATM 7662	O	WAT	1451	18.714	3.061	4.310	-0.834000
HETATM 7663	H1	WAT	1451	19.260	2.662	4.987	0.417000
HETATM 7664	H2	WAT	1451	18.102	2.370	4.057	0.417000
HETATM 7665	O	WAT	1452	-21.741	-4.074	14.848	-0.834000
HETATM 7666	H1	WAT	1452	-22.614	-4.031	14.458	0.417000
HETATM 7667	H2	WAT	1452	-21.902	-4.148	15.789	0.417000
HETATM 7668	O	WAT	1453	17.334	-0.337	-21.759	-0.834000
HETATM 7669	H1	WAT	1453	18.158	-0.266	-21.276	0.417000
HETATM 7670	H2	WAT	1453	16.911	0.513	-21.635	0.417000
HETATM 7671	O	WAT	1454	30.282	7.755	8.100	-0.834000
HETATM 7672	H1	WAT	1454	30.724	8.082	8.883	0.417000
HETATM 7673	H2	WAT	1454	29.355	7.942	8.252	0.417000
HETATM 7674	O	WAT	1455	6.622	-5.949	31.103	-0.834000
HETATM 7675	H1	WAT	1455	6.796	-5.721	30.190	0.417000
HETATM 7676	H2	WAT	1455	5.888	-5.388	31.354	0.417000
HETATM 7677	O	WAT	1456	-27.200	-19.728	-8.649	-0.834000
HETATM 7678	H1	WAT	1456	-26.734	-20.118	-7.910	0.417000
HETATM 7679	H2	WAT	1456	-26.895	-18.821	-8.672	0.417000
HETATM 7680	O	WAT	1457	-12.717	27.115	16.444	-0.834000
HETATM 7681	H1	WAT	1457	-13.391	27.144	15.765	0.417000
HETATM 7682	H2	WAT	1457	-12.210	27.916	16.313	0.417000
HETATM 7683	O	WAT	1458	11.119	1.233	24.099	-0.834000
HETATM 7684	H1	WAT	1458	11.113	1.642	23.235	0.417000
HETATM 7685	H2	WAT	1458	10.430	1.687	24.585	0.417000
HETATM 7686	O	WAT	1459	27.555	7.238	-13.296	-0.834000
HETATM 7687	H1	WAT	1459	27.338	8.116	-13.609	0.417000
HETATM 7688	H2	WAT	1459	28.415	7.336	-12.888	0.417000
HETATM 7689	O	WAT	1460	23.235	-4.997	15.209	-0.834000
HETATM 7690	H1	WAT	1460	24.052	-4.886	14.723	0.417000
HETATM 7691	H2	WAT	1460	23.290	-5.881	15.573	0.417000
HETATM 7692	O	WAT	1461	-29.592	-1.246	19.029	-0.834000
HETATM 7693	H1	WAT	1461	-29.455	-0.498	18.447	0.417000
HETATM 7694	H2	WAT	1461	-29.561	-2.008	18.450	0.417000
HETATM 7695	O	WAT	1462	2.064	-31.804	-6.637	-0.834000
HETATM 7696	H1	WAT	1462	2.944	-31.429	-6.604	0.417000
HETATM 7697	H2	WAT	1462	1.703	-31.495	-7.467	0.417000

HETATM 7698	O	WAT	1463	-16.794	21.763	-11.363	-0.834000
HETATM 7699	H1	WAT	1463	-16.653	21.026	-11.958	0.417000
HETATM 7700	H2	WAT	1463	-17.726	21.964	-11.448	0.417000
HETATM 7701	O	WAT	1464	-4.562	-22.728	2.443	-0.834000
HETATM 7702	H1	WAT	1464	-4.139	-22.466	1.626	0.417000
HETATM 7703	H2	WAT	1464	-3.837	-22.949	3.028	0.417000
HETATM 7704	O	WAT	1465	-8.572	8.485	19.478	-0.834000
HETATM 7705	H1	WAT	1465	-8.200	8.749	20.319	0.417000
HETATM 7706	H2	WAT	1465	-8.728	7.545	19.568	0.417000
HETATM 7707	O	WAT	1466	11.053	-19.722	-13.644	-0.834000
HETATM 7708	H1	WAT	1466	11.734	-19.485	-13.015	0.417000
HETATM 7709	H2	WAT	1466	11.215	-19.155	-14.398	0.417000
HETATM 7710	O	WAT	1467	-15.665	9.730	22.558	-0.834000
HETATM 7711	H1	WAT	1467	-16.365	9.543	23.184	0.417000
HETATM 7712	H2	WAT	1467	-16.118	9.863	21.725	0.417000
HETATM 7713	O	WAT	1468	-26.839	13.438	-10.467	-0.834000
HETATM 7714	H1	WAT	1468	-25.977	13.794	-10.682	0.417000
HETATM 7715	H2	WAT	1468	-27.118	13.935	-9.699	0.417000
HETATM 7716	O	WAT	1469	13.225	-2.282	-31.903	-0.834000
HETATM 7717	H1	WAT	1469	12.680	-2.982	-32.262	0.417000
HETATM 7718	H2	WAT	1469	13.379	-1.695	-32.644	0.417000
HETATM 7719	O	WAT	1470	10.117	26.291	-20.685	-0.834000
HETATM 7720	H1	WAT	1470	10.535	25.654	-21.266	0.417000
HETATM 7721	H2	WAT	1470	9.181	26.101	-20.756	0.417000
HETATM 7722	O	WAT	1471	15.155	16.484	20.674	-0.834000
HETATM 7723	H1	WAT	1471	15.101	17.413	20.900	0.417000
HETATM 7724	H2	WAT	1471	16.055	16.238	20.886	0.417000
HETATM 7725	O	WAT	1472	-2.179	24.096	6.281	-0.834000
HETATM 7726	H1	WAT	1472	-2.862	24.763	6.208	0.417000
HETATM 7727	H2	WAT	1472	-2.381	23.636	7.096	0.417000
HETATM 7728	O	WAT	1473	3.013	-24.254	13.522	-0.834000
HETATM 7729	H1	WAT	1473	3.318	-23.898	12.688	0.417000
HETATM 7730	H2	WAT	1473	3.400	-25.129	13.565	0.417000
HETATM 7731	O	WAT	1474	-3.960	-22.444	6.602	-0.834000
HETATM 7732	H1	WAT	1474	-3.844	-21.498	6.512	0.417000
HETATM 7733	H2	WAT	1474	-3.592	-22.649	7.462	0.417000
HETATM 7734	O	WAT	1475	0.855	-13.450	16.624	-0.834000
HETATM 7735	H1	WAT	1475	1.488	-12.784	16.356	0.417000
HETATM 7736	H2	WAT	1475	0.565	-13.849	15.804	0.417000
HETATM 7737	O	WAT	1476	18.195	-11.151	23.684	-0.834000
HETATM 7738	H1	WAT	1476	17.942	-10.525	24.363	0.417000
HETATM 7739	H2	WAT	1476	18.904	-11.659	24.078	0.417000
HETATM 7740	O	WAT	1477	15.840	14.269	-17.323	-0.834000
HETATM 7741	H1	WAT	1477	16.271	15.113	-17.189	0.417000
HETATM 7742	H2	WAT	1477	14.916	14.441	-17.142	0.417000
HETATM 7743	O	WAT	1478	-8.382	-31.194	-3.553	-0.834000
HETATM 7744	H1	WAT	1478	-8.445	-32.136	-3.393	0.417000
HETATM 7745	H2	WAT	1478	-7.798	-31.119	-4.308	0.417000
HETATM 7746	O	WAT	1479	-9.453	-12.135	13.007	-0.834000
HETATM 7747	H1	WAT	1479	-9.443	-13.064	13.238	0.417000
HETATM 7748	H2	WAT	1479	-8.535	-11.921	12.837	0.417000
HETATM 7749	O	WAT	1480	-25.652	-8.705	-16.996	-0.834000
HETATM 7750	H1	WAT	1480	-25.373	-9.410	-16.413	0.417000
HETATM 7751	H2	WAT	1480	-25.879	-7.984	-16.409	0.417000
HETATM 7752	O	WAT	1481	31.591	8.393	5.752	-0.834000
HETATM 7753	H1	WAT	1481	31.790	9.309	5.948	0.417000
HETATM 7754	H2	WAT	1481	31.147	8.072	6.537	0.417000
HETATM 7755	O	WAT	1482	0.312	-24.345	13.092	-0.834000
HETATM 7756	H1	WAT	1482	0.359	-25.022	12.417	0.417000
HETATM 7757	H2	WAT	1482	1.206	-24.277	13.427	0.417000
HETATM 7758	O	WAT	1483	17.602	-10.818	7.088	-0.834000
HETATM 7759	H1	WAT	1483	17.580	-11.563	6.487	0.417000
HETATM 7760	H2	WAT	1483	17.179	-11.139	7.884	0.417000
HETATM 7761	O	WAT	1484	7.307	-5.712	18.990	-0.834000
HETATM 7762	H1	WAT	1484	8.254	-5.605	19.079	0.417000
HETATM 7763	H2	WAT	1484	7.145	-5.638	18.050	0.417000
HETATM 7764	O	WAT	1485	12.549	-7.658	26.549	-0.834000
HETATM 7765	H1	WAT	1485	13.333	-7.729	26.004	0.417000
HETATM 7766	H2	WAT	1485	12.360	-8.558	26.815	0.417000
HETATM 7767	O	WAT	1486	-9.783	13.108	-19.470	-0.834000

HETATM 7768	H1	WAT	1486	-9.094	13.768	-19.552	0.417000
HETATM 7769	H2	WAT	1486	-10.563	13.531	-19.829	0.417000
HETATM 7770	O	WAT	1487	-4.872	12.389	25.878	-0.834000
HETATM 7771	H1	WAT	1487	-5.634	12.416	25.299	0.417000
HETATM 7772	H2	WAT	1487	-4.296	13.079	25.548	0.417000
HETATM 7773	O	WAT	1488	21.751	14.636	-7.917	-0.834000
HETATM 7774	H1	WAT	1488	21.311	13.939	-8.404	0.417000
HETATM 7775	H2	WAT	1488	21.499	15.441	-8.370	0.417000
HETATM 7776	O	WAT	1489	1.790	0.288	-27.136	-0.834000
HETATM 7777	H1	WAT	1489	1.846	-0.428	-26.503	0.417000
HETATM 7778	H2	WAT	1489	0.856	0.363	-27.330	0.417000
HETATM 7779	O	WAT	1490	-10.488	-11.813	-15.192	-0.834000
HETATM 7780	H1	WAT	1490	-10.052	-12.347	-15.856	0.417000
HETATM 7781	H2	WAT	1490	-10.819	-12.447	-14.555	0.417000
HETATM 7782	O	WAT	1491	7.946	-12.449	10.126	-0.834000
HETATM 7783	H1	WAT	1491	8.312	-11.570	10.222	0.417000
HETATM 7784	H2	WAT	1491	7.113	-12.313	9.674	0.417000
HETATM 7785	O	WAT	1492	-4.177	-16.255	-17.232	-0.834000
HETATM 7786	H1	WAT	1492	-3.888	-17.089	-16.860	0.417000
HETATM 7787	H2	WAT	1492	-5.086	-16.410	-17.489	0.417000
HETATM 7788	O	WAT	1493	-13.495	-28.087	-1.919	-0.834000
HETATM 7789	H1	WAT	1493	-12.950	-28.828	-1.655	0.417000
HETATM 7790	H2	WAT	1493	-13.233	-27.377	-1.333	0.417000
HETATM 7791	O	WAT	1494	-14.546	2.129	26.501	-0.834000
HETATM 7792	H1	WAT	1494	-14.888	1.274	26.240	0.417000
HETATM 7793	H2	WAT	1494	-13.597	2.009	26.528	0.417000
HETATM 7794	O	WAT	1495	31.755	-9.803	11.329	-0.834000
HETATM 7795	H1	WAT	1495	30.968	-10.311	11.133	0.417000
HETATM 7796	H2	WAT	1495	31.443	-8.902	11.416	0.417000
HETATM 7797	O	WAT	1496	20.060	-25.111	-8.754	-0.834000
HETATM 7798	H1	WAT	1496	20.827	-25.043	-9.323	0.417000
HETATM 7799	H2	WAT	1496	20.418	-25.332	-7.894	0.417000
HETATM 7800	O	WAT	1497	-3.039	-21.989	-15.513	-0.834000
HETATM 7801	H1	WAT	1497	-2.603	-21.546	-16.241	0.417000
HETATM 7802	H2	WAT	1497	-3.014	-21.354	-14.797	0.417000
HETATM 7803	O	WAT	1498	0.348	-1.041	28.867	-0.834000
HETATM 7804	H1	WAT	1498	0.568	-1.919	28.557	0.417000
HETATM 7805	H2	WAT	1498	-0.505	-1.142	29.288	0.417000
HETATM 7806	O	WAT	1499	-25.537	1.446	-1.865	-0.834000
HETATM 7807	H1	WAT	1499	-25.724	1.699	-0.961	0.417000
HETATM 7808	H2	WAT	1499	-24.643	1.104	-1.838	0.417000
HETATM 7809	O	WAT	1500	10.892	-7.796	-30.430	-0.834000
HETATM 7810	H1	WAT	1500	11.635	-8.103	-30.949	0.417000
HETATM 7811	H2	WAT	1500	10.872	-6.850	-30.578	0.417000
HETATM 7812	O	WAT	1501	0.838	-27.454	-19.021	-0.834000
HETATM 7813	H1	WAT	1501	1.358	-28.000	-19.611	0.417000
HETATM 7814	H2	WAT	1501	0.161	-27.073	-19.581	0.417000
HETATM 7815	O	WAT	1502	24.534	4.619	20.137	-0.834000
HETATM 7816	H1	WAT	1502	24.832	5.484	20.418	0.417000
HETATM 7817	H2	WAT	1502	24.369	4.146	20.953	0.417000
HETATM 7818	O	WAT	1503	-2.982	-23.902	-24.310	-0.834000
HETATM 7819	H1	WAT	1503	-2.440	-24.588	-23.922	0.417000
HETATM 7820	H2	WAT	1503	-2.355	-23.252	-24.627	0.417000
HETATM 7821	O	WAT	1504	-22.494	12.981	23.375	-0.834000
HETATM 7822	H1	WAT	1504	-22.300	13.872	23.084	0.417000
HETATM 7823	H2	WAT	1504	-22.639	13.063	24.317	0.417000
HETATM 7824	O	WAT	1505	28.817	-7.209	15.415	-0.834000
HETATM 7825	H1	WAT	1505	28.261	-6.599	15.900	0.417000
HETATM 7826	H2	WAT	1505	29.467	-7.501	16.055	0.417000
HETATM 7827	O	WAT	1506	-12.164	-26.657	-13.917	-0.834000
HETATM 7828	H1	WAT	1506	-12.260	-27.610	-13.927	0.417000
HETATM 7829	H2	WAT	1506	-12.389	-26.403	-13.023	0.417000
HETATM 7830	O	WAT	1507	-7.649	-19.890	5.373	-0.834000
HETATM 7831	H1	WAT	1507	-8.274	-20.568	5.113	0.417000
HETATM 7832	H2	WAT	1507	-6.868	-20.071	4.851	0.417000
HETATM 7833	O	WAT	1508	-5.041	3.369	27.004	-0.834000
HETATM 7834	H1	WAT	1508	-4.179	2.980	27.150	0.417000
HETATM 7835	H2	WAT	1508	-4.914	4.303	27.171	0.417000
HETATM 7836	O	WAT	1509	3.847	-31.049	14.221	-0.834000
HETATM 7837	H1	WAT	1509	4.026	-30.218	14.661	0.417000

HETATM 7838	H2	WAT	1509	4.578	-31.614	14.469	0.417000
HETATM 7839	O	WAT	1510	10.207	27.119	8.719	-0.834000
HETATM 7840	H1	WAT	1510	9.567	26.625	8.206	0.417000
HETATM 7841	H2	WAT	1510	9.964	28.035	8.587	0.417000
HETATM 7842	O	WAT	1511	-25.999	7.846	21.272	-0.834000
HETATM 7843	H1	WAT	1511	-25.406	7.872	20.521	0.417000
HETATM 7844	H2	WAT	1511	-25.597	8.431	21.915	0.417000
HETATM 7845	O	WAT	1512	-20.716	14.054	-19.760	-0.834000
HETATM 7846	H1	WAT	1512	-19.815	14.329	-19.933	0.417000
HETATM 7847	H2	WAT	1512	-20.630	13.330	-19.140	0.417000
HETATM 7848	O	WAT	1513	-24.346	-14.844	12.424	-0.834000
HETATM 7849	H1	WAT	1513	-24.277	-14.410	11.574	0.417000
HETATM 7850	H2	WAT	1513	-25.025	-15.507	12.300	0.417000
HETATM 7851	O	WAT	1514	-10.844	-19.802	23.343	-0.834000
HETATM 7852	H1	WAT	1514	-10.984	-19.136	22.669	0.417000
HETATM 7853	H2	WAT	1514	-10.369	-19.344	24.036	0.417000
HETATM 7854	O	WAT	1515	17.966	10.461	4.510	-0.834000
HETATM 7855	H1	WAT	1515	17.922	10.519	3.556	0.417000
HETATM 7856	H2	WAT	1515	17.098	10.153	4.771	0.417000
HETATM 7857	O	WAT	1516	-9.196	-12.479	28.393	-0.834000
HETATM 7858	H1	WAT	1516	-8.539	-11.959	27.930	0.417000
HETATM 7859	H2	WAT	1516	-9.640	-11.851	28.962	0.417000
HETATM 7860	O	WAT	1517	-0.880	15.045	-9.155	-0.834000
HETATM 7861	H1	WAT	1517	-0.072	14.907	-8.659	0.417000
HETATM 7862	H2	WAT	1517	-0.702	15.816	-9.693	0.417000
HETATM 7863	O	WAT	1518	9.830	19.334	20.107	-0.834000
HETATM 7864	H1	WAT	1518	9.725	19.318	19.155	0.417000
HETATM 7865	H2	WAT	1518	9.908	20.263	20.324	0.417000
HETATM 7866	O	WAT	1519	22.820	-21.567	-12.500	-0.834000
HETATM 7867	H1	WAT	1519	22.363	-20.783	-12.806	0.417000
HETATM 7868	H2	WAT	1519	22.167	-22.264	-12.562	0.417000
HETATM 7869	O	WAT	1520	-14.802	20.584	13.687	-0.834000
HETATM 7870	H1	WAT	1520	-14.349	19.964	14.258	0.417000
HETATM 7871	H2	WAT	1520	-15.408	21.045	14.267	0.417000
HETATM 7872	O	WAT	1521	3.978	-28.198	-17.054	-0.834000
HETATM 7873	H1	WAT	1521	4.542	-27.682	-16.478	0.417000
HETATM 7874	H2	WAT	1521	4.248	-27.952	-17.938	0.417000
HETATM 7875	O	WAT	1522	-27.842	-9.191	-4.852	-0.834000
HETATM 7876	H1	WAT	1522	-28.664	-8.907	-5.251	0.417000
HETATM 7877	H2	WAT	1522	-27.740	-10.100	-5.135	0.417000
HETATM 7878	O	WAT	1523	-28.140	-0.400	-8.357	-0.834000
HETATM 7879	H1	WAT	1523	-28.157	-1.150	-7.763	0.417000
HETATM 7880	H2	WAT	1523	-27.209	-0.213	-8.480	0.417000
HETATM 7881	O	WAT	1524	-25.151	15.305	-18.001	-0.834000
HETATM 7882	H1	WAT	1524	-24.218	15.428	-18.174	0.417000
HETATM 7883	H2	WAT	1524	-25.448	16.154	-17.673	0.417000
HETATM 7884	O	WAT	1525	11.044	-5.526	13.711	-0.834000
HETATM 7885	H1	WAT	1525	10.708	-5.284	12.848	0.417000
HETATM 7886	H2	WAT	1525	11.248	-6.458	13.636	0.417000
HETATM 7887	O	WAT	1526	1.571	33.152	-7.076	-0.834000
HETATM 7888	H1	WAT	1526	0.694	32.773	-7.011	0.417000
HETATM 7889	H2	WAT	1526	1.637	33.448	-7.984	0.417000
HETATM 7890	O	WAT	1527	15.875	-31.827	0.995	-0.834000
HETATM 7891	H1	WAT	1527	15.288	-32.501	1.339	0.417000
HETATM 7892	H2	WAT	1527	15.361	-31.382	0.322	0.417000
HETATM 7893	O	WAT	1528	20.139	-3.953	-17.226	-0.834000
HETATM 7894	H1	WAT	1528	19.900	-4.193	-18.122	0.417000
HETATM 7895	H2	WAT	1528	21.064	-3.715	-17.281	0.417000
HETATM 7896	O	WAT	1529	-22.226	19.231	6.724	-0.834000
HETATM 7897	H1	WAT	1529	-21.433	18.805	7.050	0.417000
HETATM 7898	H2	WAT	1529	-22.095	20.159	6.916	0.417000
HETATM 7899	O	WAT	1530	34.119	-6.941	3.872	-0.834000
HETATM 7900	H1	WAT	1530	33.430	-7.541	3.589	0.417000
HETATM 7901	H2	WAT	1530	33.975	-6.149	3.353	0.417000
HETATM 7902	O	WAT	1531	-15.577	-30.831	-5.559	-0.834000
HETATM 7903	H1	WAT	1531	-15.953	-31.523	-5.015	0.417000
HETATM 7904	H2	WAT	1531	-15.589	-31.191	-6.446	0.417000
HETATM 7905	O	WAT	1532	11.339	2.057	-30.954	-0.834000
HETATM 7906	H1	WAT	1532	11.068	1.950	-30.042	0.417000
HETATM 7907	H2	WAT	1532	11.011	2.921	-31.202	0.417000

HETATM 7908	O	WAT	1533	3.256	-17.090	18.299	-0.834000
HETATM 7909	H1	WAT	1533	3.302	-17.971	18.670	0.417000
HETATM 7910	H2	WAT	1533	3.208	-17.230	17.353	0.417000
HETATM 7911	O	WAT	1534	7.559	19.796	-28.194	-0.834000
HETATM 7912	H1	WAT	1534	7.905	19.305	-28.939	0.417000
HETATM 7913	H2	WAT	1534	6.649	19.509	-28.120	0.417000
HETATM 7914	O	WAT	1535	11.266	-17.414	27.513	-0.834000
HETATM 7915	H1	WAT	1535	10.922	-17.658	28.372	0.417000
HETATM 7916	H2	WAT	1535	11.752	-16.605	27.670	0.417000
HETATM 7917	O	WAT	1536	8.893	24.709	-4.461	-0.834000
HETATM 7918	H1	WAT	1536	9.561	25.384	-4.580	0.417000
HETATM 7919	H2	WAT	1536	9.378	23.884	-4.498	0.417000
HETATM 7920	O	WAT	1537	25.192	11.353	12.081	-0.834000
HETATM 7921	H1	WAT	1537	25.112	10.949	12.945	0.417000
HETATM 7922	H2	WAT	1537	25.296	12.287	12.261	0.417000
HETATM 7923	O	WAT	1538	23.755	7.171	-7.674	-0.834000
HETATM 7924	H1	WAT	1538	22.886	6.878	-7.947	0.417000
HETATM 7925	H2	WAT	1538	23.586	7.921	-7.103	0.417000
HETATM 7926	O	WAT	1539	7.752	-8.323	-26.067	-0.834000
HETATM 7927	H1	WAT	1539	8.136	-8.001	-26.882	0.417000
HETATM 7928	H2	WAT	1539	7.980	-7.659	-25.416	0.417000
HETATM 7929	O	WAT	1540	-4.004	0.464	-33.996	-0.834000
HETATM 7930	H1	WAT	1540	-3.219	0.952	-33.748	0.417000
HETATM 7931	H2	WAT	1540	-4.618	0.617	-33.278	0.417000
HETATM 7932	O	WAT	1541	-2.778	-25.701	-16.255	-0.834000
HETATM 7933	H1	WAT	1541	-3.476	-25.180	-15.858	0.417000
HETATM 7934	H2	WAT	1541	-2.012	-25.126	-16.241	0.417000
HETATM 7935	O	WAT	1542	2.450	-8.834	-30.004	-0.834000
HETATM 7936	H1	WAT	1542	2.714	-7.953	-30.268	0.417000
HETATM 7937	H2	WAT	1542	2.694	-8.891	-29.080	0.417000
HETATM 7938	O	WAT	1543	21.179	-7.954	-6.831	-0.834000
HETATM 7939	H1	WAT	1543	21.803	-7.325	-6.470	0.417000
HETATM 7940	H2	WAT	1543	20.327	-7.655	-6.514	0.417000
HETATM 7941	O	WAT	1544	24.382	14.112	-8.226	-0.834000
HETATM 7942	H1	WAT	1544	24.785	14.767	-7.656	0.417000
HETATM 7943	H2	WAT	1544	23.444	14.301	-8.182	0.417000
HETATM 7944	O	WAT	1545	-20.521	9.005	-26.743	-0.834000
HETATM 7945	H1	WAT	1545	-20.435	9.174	-25.805	0.417000
HETATM 7946	H2	WAT	1545	-21.448	8.805	-26.867	0.417000
HETATM 7947	O	WAT	1546	-21.451	-26.416	-9.969	-0.834000
HETATM 7948	H1	WAT	1546	-21.553	-26.554	-9.027	0.417000
HETATM 7949	H2	WAT	1546	-21.542	-25.470	-10.083	0.417000
HETATM 7950	O	WAT	1547	22.723	14.950	-17.295	-0.834000
HETATM 7951	H1	WAT	1547	23.260	14.164	-17.396	0.417000
HETATM 7952	H2	WAT	1547	23.100	15.578	-17.911	0.417000
HETATM 7953	O	WAT	1548	7.895	-25.876	-18.594	-0.834000
HETATM 7954	H1	WAT	1548	7.682	-26.788	-18.793	0.417000
HETATM 7955	H2	WAT	1548	7.070	-25.406	-18.712	0.417000
HETATM 7956	O	WAT	1549	12.652	-18.274	-15.670	-0.834000
HETATM 7957	H1	WAT	1549	12.787	-17.815	-14.840	0.417000
HETATM 7958	H2	WAT	1549	13.253	-17.846	-16.280	0.417000
HETATM 7959	O	WAT	1550	1.533	22.440	4.567	-0.834000
HETATM 7960	H1	WAT	1550	1.606	21.505	4.754	0.417000
HETATM 7961	H2	WAT	1550	2.405	22.790	4.748	0.417000
HETATM 7962	O	WAT	1551	-23.173	-11.689	-22.165	-0.834000
HETATM 7963	H1	WAT	1551	-23.840	-11.789	-22.845	0.417000
HETATM 7964	H2	WAT	1551	-22.959	-12.586	-21.907	0.417000
HETATM 7965	O	WAT	1552	4.065	-27.259	18.765	-0.834000
HETATM 7966	H1	WAT	1552	4.164	-26.660	18.025	0.417000
HETATM 7967	H2	WAT	1552	4.027	-28.129	18.367	0.417000
HETATM 7968	O	WAT	1553	0.067	18.722	23.084	-0.834000
HETATM 7969	H1	WAT	1553	0.896	18.716	23.562	0.417000
HETATM 7970	H2	WAT	1553	-0.577	19.019	23.726	0.417000
HETATM 7971	O	WAT	1554	-22.451	7.194	17.578	-0.834000
HETATM 7972	H1	WAT	1554	-21.716	7.230	16.965	0.417000
HETATM 7973	H2	WAT	1554	-22.068	6.874	18.394	0.417000
HETATM 7974	O	WAT	1555	-22.451	-17.368	-2.919	-0.834000
HETATM 7975	H1	WAT	1555	-22.386	-18.264	-2.591	0.417000
HETATM 7976	H2	WAT	1555	-21.590	-17.187	-3.297	0.417000
HETATM 7977	O	WAT	1556	10.631	14.992	20.579	-0.834000

HETATM 7978	H1	WAT	1556	11.524	14.664	20.688	0.417000
HETATM 7979	H2	WAT	1556	10.700	15.933	20.737	0.417000
HETATM 7980	O	WAT	1557	19.886	-10.048	3.199	-0.834000
HETATM 7981	H1	WAT	1557	20.607	-10.652	3.378	0.417000
HETATM 7982	H2	WAT	1557	19.857	-9.476	3.966	0.417000
HETATM 7983	O	WAT	1558	29.496	-11.212	10.761	-0.834000
HETATM 7984	H1	WAT	1558	28.961	-12.006	10.790	0.417000
HETATM 7985	H2	WAT	1558	28.888	-10.505	10.977	0.417000
HETATM 7986	O	WAT	1559	-20.632	24.697	-11.731	-0.834000
HETATM 7987	H1	WAT	1559	-20.304	25.562	-11.977	0.417000
HETATM 7988	H2	WAT	1559	-21.227	24.865	-11.000	0.417000
HETATM 7989	O	WAT	1560	-17.847	-16.508	-5.525	-0.834000
HETATM 7990	H1	WAT	1560	-17.742	-15.589	-5.768	0.417000
HETATM 7991	H2	WAT	1560	-17.246	-16.633	-4.791	0.417000
HETATM 7992	O	WAT	1561	12.991	6.453	30.527	-0.834000
HETATM 7993	H1	WAT	1561	12.076	6.635	30.311	0.417000
HETATM 7994	H2	WAT	1561	13.321	5.960	29.776	0.417000
HETATM 7995	O	WAT	1562	28.056	1.521	-9.526	-0.834000
HETATM 7996	H1	WAT	1562	28.589	1.099	-10.200	0.417000
HETATM 7997	H2	WAT	1562	28.524	1.351	-8.709	0.417000
HETATM 7998	O	WAT	1563	-3.258	14.331	24.798	-0.834000
HETATM 7999	H1	WAT	1563	-2.401	14.203	25.206	0.417000
HETATM 8000	H2	WAT	1563	-3.361	15.281	24.748	0.417000
HETATM 8001	O	WAT	1564	22.606	-5.900	-5.642	-0.834000
HETATM 8002	H1	WAT	1564	22.001	-5.160	-5.598	0.417000
HETATM 8003	H2	WAT	1564	23.445	-5.510	-5.884	0.417000
HETATM 8004	O	WAT	1565	-11.797	-30.894	-10.390	-0.834000
HETATM 8005	H1	WAT	1565	-11.157	-30.237	-10.663	0.417000
HETATM 8006	H2	WAT	1565	-12.316	-30.457	-9.714	0.417000
HETATM 8007	O	WAT	1566	-5.896	0.653	-32.043	-0.834000
HETATM 8008	H1	WAT	1566	-6.538	1.324	-31.809	0.417000
HETATM 8009	H2	WAT	1566	-5.883	0.061	-31.291	0.417000
HETATM 8010	O	WAT	1567	29.989	7.827	-12.129	-0.834000
HETATM 8011	H1	WAT	1567	30.378	8.693	-12.255	0.417000
HETATM 8012	H2	WAT	1567	30.069	7.663	-11.190	0.417000
HETATM 8013	O	WAT	1568	-13.100	17.509	-9.284	-0.834000
HETATM 8014	H1	WAT	1568	-13.462	18.393	-9.226	0.417000
HETATM 8015	H2	WAT	1568	-13.473	17.048	-8.532	0.417000
HETATM 8016	O	WAT	1569	-3.304	-9.430	15.792	-0.834000
HETATM 8017	H1	WAT	1569	-3.619	-8.530	15.709	0.417000
HETATM 8018	H2	WAT	1569	-2.353	-9.359	15.715	0.417000
HETATM 8019	O	WAT	1570	-2.176	-30.055	13.845	-0.834000
HETATM 8020	H1	WAT	1570	-1.819	-30.860	14.220	0.417000
HETATM 8021	H2	WAT	1570	-1.988	-29.381	14.498	0.417000
HETATM 8022	O	WAT	1571	-2.875	7.013	-20.334	-0.834000
HETATM 8023	H1	WAT	1571	-3.526	7.670	-20.580	0.417000
HETATM 8024	H2	WAT	1571	-2.033	7.431	-20.517	0.417000
HETATM 8025	O	WAT	1572	-11.599	-20.002	-22.267	-0.834000
HETATM 8026	H1	WAT	1572	-11.198	-20.254	-21.436	0.417000
HETATM 8027	H2	WAT	1572	-11.926	-19.115	-22.116	0.417000
HETATM 8028	O	WAT	1573	2.590	15.563	0.873	-0.834000
HETATM 8029	H1	WAT	1573	3.248	16.253	0.963	0.417000
HETATM 8030	H2	WAT	1573	1.783	15.956	1.205	0.417000
HETATM 8031	O	WAT	1574	1.653	15.185	25.234	-0.834000
HETATM 8032	H1	WAT	1574	1.435	15.662	26.035	0.417000
HETATM 8033	H2	WAT	1574	2.448	15.610	24.910	0.417000
HETATM 8034	O	WAT	1575	13.790	8.522	13.128	-0.834000
HETATM 8035	H1	WAT	1575	14.406	7.881	13.484	0.417000
HETATM 8036	H2	WAT	1575	13.908	8.467	12.180	0.417000
HETATM 8037	O	WAT	1576	29.739	-1.373	7.119	-0.834000
HETATM 8038	H1	WAT	1576	29.609	-2.117	7.707	0.417000
HETATM 8039	H2	WAT	1576	29.542	-0.606	7.656	0.417000
HETATM 8040	O	WAT	1577	9.241	1.341	20.104	-0.834000
HETATM 8041	H1	WAT	1577	8.422	1.500	20.572	0.417000
HETATM 8042	H2	WAT	1577	9.217	0.408	19.890	0.417000
HETATM 8043	O	WAT	1578	22.998	14.652	-5.484	-0.834000
HETATM 8044	H1	WAT	1578	22.458	14.625	-6.274	0.417000
HETATM 8045	H2	WAT	1578	23.810	15.075	-5.764	0.417000
HETATM 8046	O	WAT	1579	-0.592	12.908	-16.957	-0.834000
HETATM 8047	H1	WAT	1579	-0.672	13.369	-16.121	0.417000

HETATM 8048	H2	WAT	1579	-1.007	13.492	-17.592	0.417000
HETATM 8049	O	WAT	1580	31.454	-11.326	-12.355	-0.834000
HETATM 8050	H1	WAT	1580	30.592	-11.622	-12.063	0.417000
HETATM 8051	H2	WAT	1580	31.296	-10.460	-12.730	0.417000
HETATM 8052	O	WAT	1581	2.015	-13.171	20.927	-0.834000
HETATM 8053	H1	WAT	1581	1.682	-13.916	20.427	0.417000
HETATM 8054	H2	WAT	1581	1.350	-12.492	20.817	0.417000
HETATM 8055	O	WAT	1582	16.539	23.109	5.625	-0.834000
HETATM 8056	H1	WAT	1582	16.433	22.348	6.196	0.417000
HETATM 8057	H2	WAT	1582	16.876	23.796	6.201	0.417000
HETATM 8058	O	WAT	1583	-27.722	-11.327	-1.026	-0.834000
HETATM 8059	H1	WAT	1583	-27.282	-10.573	-1.420	0.417000
HETATM 8060	H2	WAT	1583	-27.929	-11.045	-0.136	0.417000
HETATM 8061	O	WAT	1584	-5.785	-17.368	-1.508	-0.834000
HETATM 8062	H1	WAT	1584	-5.810	-17.026	-0.614	0.417000
HETATM 8063	H2	WAT	1584	-5.419	-16.653	-2.028	0.417000
HETATM 8064	O	WAT	1585	10.136	15.854	23.937	-0.834000
HETATM 8065	H1	WAT	1585	9.725	16.275	23.182	0.417000
HETATM 8066	H2	WAT	1585	10.067	16.500	24.639	0.417000
HETATM 8067	O	WAT	1586	4.946	12.913	17.952	-0.834000
HETATM 8068	H1	WAT	1586	5.446	12.261	17.462	0.417000
HETATM 8069	H2	WAT	1586	4.873	12.546	18.833	0.417000
HETATM 8070	O	WAT	1587	20.596	2.470	6.230	-0.834000
HETATM 8071	H1	WAT	1587	21.499	2.318	5.953	0.417000
HETATM 8072	H2	WAT	1587	20.652	2.580	7.180	0.417000
HETATM 8073	O	WAT	1588	-15.664	6.265	-21.179	-0.834000
HETATM 8074	H1	WAT	1588	-15.151	6.863	-20.636	0.417000
HETATM 8075	H2	WAT	1588	-15.758	6.722	-22.015	0.417000
HETATM 8076	O	WAT	1589	25.032	-4.829	-6.247	-0.834000
HETATM 8077	H1	WAT	1589	25.239	-5.238	-7.087	0.417000
HETATM 8078	H2	WAT	1589	25.757	-5.078	-5.673	0.417000
HETATM 8079	O	WAT	1590	27.688	-9.780	-10.721	-0.834000
HETATM 8080	H1	WAT	1590	27.366	-10.210	-9.929	0.417000
HETATM 8081	H2	WAT	1590	28.197	-10.456	-11.170	0.417000
HETATM 8082	O	WAT	1591	16.767	-27.272	12.551	-0.834000
HETATM 8083	H1	WAT	1591	16.138	-26.596	12.804	0.417000
HETATM 8084	H2	WAT	1591	16.228	-27.983	12.206	0.417000
HETATM 8085	O	WAT	1592	23.028	-3.239	-10.789	-0.834000
HETATM 8086	H1	WAT	1592	23.968	-3.203	-10.971	0.417000
HETATM 8087	H2	WAT	1592	22.768	-4.122	-11.051	0.417000
HETATM 8088	O	WAT	1593	18.671	-21.388	-20.300	-0.834000
HETATM 8089	H1	WAT	1593	18.422	-22.257	-20.612	0.417000
HETATM 8090	H2	WAT	1593	19.592	-21.476	-20.053	0.417000
HETATM 8091	O	WAT	1594	-5.044	30.051	3.861	-0.834000
HETATM 8092	H1	WAT	1594	-4.611	30.548	3.168	0.417000
HETATM 8093	H2	WAT	1594	-4.341	29.825	4.469	0.417000
HETATM 8094	O	WAT	1595	-23.425	11.879	-9.974	-0.834000
HETATM 8095	H1	WAT	1595	-23.220	12.227	-9.106	0.417000
HETATM 8096	H2	WAT	1595	-23.652	12.650	-10.494	0.417000
HETATM 8097	O	WAT	1596	-1.880	-19.957	-26.209	-0.834000
HETATM 8098	H1	WAT	1596	-1.678	-19.992	-27.144	0.417000
HETATM 8099	H2	WAT	1596	-1.597	-20.806	-25.871	0.417000
HETATM 8100	O	WAT	1597	19.737	11.398	8.739	-0.834000
HETATM 8101	H1	WAT	1597	20.028	10.491	8.647	0.417000
HETATM 8102	H2	WAT	1597	18.900	11.336	9.201	0.417000
HETATM 8103	O	WAT	1598	2.075	-24.439	9.431	-0.834000
HETATM 8104	H1	WAT	1598	2.663	-23.926	9.985	0.417000
HETATM 8105	H2	WAT	1598	1.753	-25.135	10.003	0.417000
HETATM 8106	O	WAT	1599	3.733	-22.838	15.720	-0.834000
HETATM 8107	H1	WAT	1599	3.394	-23.308	14.958	0.417000
HETATM 8108	H2	WAT	1599	3.181	-22.058	15.785	0.417000
HETATM 8109	O	WAT	1600	19.091	4.999	9.725	-0.834000
HETATM 8110	H1	WAT	1600	19.668	4.302	9.412	0.417000
HETATM 8111	H2	WAT	1600	18.415	5.070	9.052	0.417000
HETATM 8112	O	WAT	1601	18.128	-27.519	-3.223	-0.834000
HETATM 8113	H1	WAT	1601	17.304	-27.106	-2.964	0.417000
HETATM 8114	H2	WAT	1601	18.643	-26.808	-3.605	0.417000
HETATM 8115	O	WAT	1602	25.525	-4.899	13.710	-0.834000
HETATM 8116	H1	WAT	1602	25.077	-5.247	12.939	0.417000
HETATM 8117	H2	WAT	1602	26.219	-4.345	13.354	0.417000

HETATM 8118	O	WAT	1603	-9.921	-29.022	-11.206	-0.834000
HETATM 8119	H1	WAT	1603	-9.773	-28.655	-12.077	0.417000
HETATM 8120	H2	WAT	1603	-9.939	-28.262	-10.625	0.417000
HETATM 8121	O	WAT	1604	26.761	18.279	-0.520	-0.834000
HETATM 8122	H1	WAT	1604	26.596	18.725	0.310	0.417000
HETATM 8123	H2	WAT	1604	26.504	17.371	-0.360	0.417000
HETATM 8124	O	WAT	1605	27.560	-17.253	-11.505	-0.834000
HETATM 8125	H1	WAT	1605	27.037	-17.975	-11.156	0.417000
HETATM 8126	H2	WAT	1605	27.271	-16.487	-11.010	0.417000
HETATM 8127	O	WAT	1606	19.271	-20.805	-15.290	-0.834000
HETATM 8128	H1	WAT	1606	19.807	-20.013	-15.256	0.417000
HETATM 8129	H2	WAT	1606	19.249	-21.118	-14.385	0.417000
HETATM 8130	O	WAT	1607	-16.263	-23.658	14.763	-0.834000
HETATM 8131	H1	WAT	1607	-16.269	-23.045	15.498	0.417000
HETATM 8132	H2	WAT	1607	-16.973	-23.359	14.195	0.417000
HETATM 8133	O	WAT	1608	12.266	21.874	17.949	-0.834000
HETATM 8134	H1	WAT	1608	12.608	22.764	18.027	0.417000
HETATM 8135	H2	WAT	1608	12.538	21.441	18.759	0.417000
HETATM 8136	O	WAT	1609	27.689	-9.309	11.487	-0.834000
HETATM 8137	H1	WAT	1609	26.809	-9.609	11.259	0.417000
HETATM 8138	H2	WAT	1609	27.698	-9.299	12.444	0.417000
HETATM 8139	O	WAT	1610	-1.249	-30.030	11.205	-0.834000
HETATM 8140	H1	WAT	1610	-1.927	-30.471	10.694	0.417000
HETATM 8141	H2	WAT	1610	-1.598	-30.008	12.097	0.417000
HETATM 8142	O	WAT	1611	-16.789	27.023	-13.599	-0.834000
HETATM 8143	H1	WAT	1611	-15.839	27.094	-13.508	0.417000
HETATM 8144	H2	WAT	1611	-17.081	26.636	-12.774	0.417000
HETATM 8145	O	WAT	1612	25.584	-13.804	20.253	-0.834000
HETATM 8146	H1	WAT	1612	25.756	-12.999	19.764	0.417000
HETATM 8147	H2	WAT	1612	25.351	-13.504	21.132	0.417000
HETATM 8148	O	WAT	1613	-9.900	26.991	-8.080	-0.834000
HETATM 8149	H1	WAT	1613	-10.397	26.591	-8.794	0.417000
HETATM 8150	H2	WAT	1613	-9.755	26.276	-7.460	0.417000
HETATM 8151	O	WAT	1614	-9.918	-5.609	-28.809	-0.834000
HETATM 8152	H1	WAT	1614	-9.825	-5.677	-29.760	0.417000
HETATM 8153	H2	WAT	1614	-9.334	-6.284	-28.463	0.417000
HETATM 8154	O	WAT	1615	-29.420	3.310	-1.598	-0.834000
HETATM 8155	H1	WAT	1615	-29.263	2.488	-1.133	0.417000
HETATM 8156	H2	WAT	1615	-30.048	3.780	-1.050	0.417000
HETATM 8157	O	WAT	1616	-26.881	9.314	-15.641	-0.834000
HETATM 8158	H1	WAT	1616	-26.205	9.983	-15.532	0.417000
HETATM 8159	H2	WAT	1616	-26.487	8.670	-16.229	0.417000
HETATM 8160	O	WAT	1617	28.580	6.752	17.525	-0.834000
HETATM 8161	H1	WAT	1617	29.013	6.187	18.166	0.417000
HETATM 8162	H2	WAT	1617	29.156	7.513	17.450	0.417000
HETATM 8163	O	WAT	1618	-15.728	-22.327	-8.817	-0.834000
HETATM 8164	H1	WAT	1618	-16.245	-22.966	-8.328	0.417000
HETATM 8165	H2	WAT	1618	-15.944	-21.486	-8.415	0.417000
HETATM 8166	O	WAT	1619	24.369	-22.907	5.009	-0.834000
HETATM 8167	H1	WAT	1619	23.770	-23.232	4.337	0.417000
HETATM 8168	H2	WAT	1619	25.169	-23.418	4.884	0.417000
HETATM 8169	O	WAT	1620	13.946	23.804	12.103	-0.834000
HETATM 8170	H1	WAT	1620	13.533	23.765	11.240	0.417000
HETATM 8171	H2	WAT	1620	14.882	23.889	11.917	0.417000
HETATM 8172	O	WAT	1621	0.461	29.222	-10.342	-0.834000
HETATM 8173	H1	WAT	1621	0.064	28.356	-10.437	0.417000
HETATM 8174	H2	WAT	1621	0.408	29.408	-9.405	0.417000
HETATM 8175	O	WAT	1622	2.960	-17.663	15.577	-0.834000
HETATM 8176	H1	WAT	1622	3.580	-17.109	15.102	0.417000
HETATM 8177	H2	WAT	1622	2.109	-17.456	15.190	0.417000
HETATM 8178	O	WAT	1623	-21.709	-17.155	1.925	-0.834000
HETATM 8179	H1	WAT	1623	-22.142	-16.442	2.395	0.417000
HETATM 8180	H2	WAT	1623	-20.877	-17.273	2.383	0.417000
HETATM 8181	O	WAT	1624	19.006	-17.115	6.754	-0.834000
HETATM 8182	H1	WAT	1624	19.759	-17.179	7.341	0.417000
HETATM 8183	H2	WAT	1624	18.610	-16.269	6.964	0.417000
HETATM 8184	O	WAT	1625	14.455	-16.789	3.422	-0.834000
HETATM 8185	H1	WAT	1625	13.719	-16.880	2.817	0.417000
HETATM 8186	H2	WAT	1625	14.303	-17.460	4.087	0.417000
HETATM 8187	O	WAT	1626	-9.541	-3.452	-27.189	-0.834000

HETATM 8188	H1	WAT	1626	-9.655	-4.171	-27.812	0.417000
HETATM 8189	H2	WAT	1626	-9.463	-3.883	-26.338	0.417000
HETATM 8190	O	WAT	1627	-9.906	13.574	-16.798	-0.834000
HETATM 8191	H1	WAT	1627	-10.027	14.524	-16.818	0.417000
HETATM 8192	H2	WAT	1627	-9.879	13.317	-17.720	0.417000
HETATM 8193	O	WAT	1628	3.299	-22.747	3.217	-0.834000
HETATM 8194	H1	WAT	1628	2.518	-23.146	3.601	0.417000
HETATM 8195	H2	WAT	1628	4.023	-23.078	3.748	0.417000
HETATM 8196	O	WAT	1629	-8.228	21.416	25.868	-0.834000
HETATM 8197	H1	WAT	1629	-8.825	20.689	26.042	0.417000
HETATM 8198	H2	WAT	1629	-8.042	21.354	24.931	0.417000
HETATM 8199	O	WAT	1630	-1.040	21.628	-12.296	-0.834000
HETATM 8200	H1	WAT	1630	-0.669	22.496	-12.143	0.417000
HETATM 8201	H2	WAT	1630	-1.560	21.448	-11.512	0.417000
HETATM 8202	O	WAT	1631	10.763	10.834	-19.915	-0.834000
HETATM 8203	H1	WAT	1631	10.729	10.881	-18.959	0.417000
HETATM 8204	H2	WAT	1631	9.930	10.433	-20.165	0.417000
HETATM 8205	O	WAT	1632	23.580	8.567	-16.191	-0.834000
HETATM 8206	H1	WAT	1632	24.182	7.895	-16.510	0.417000
HETATM 8207	H2	WAT	1632	22.747	8.110	-16.077	0.417000
HETATM 8208	O	WAT	1633	26.385	17.062	14.612	-0.834000
HETATM 8209	H1	WAT	1633	25.578	16.552	14.547	0.417000
HETATM 8210	H2	WAT	1633	26.166	17.785	15.200	0.417000
HETATM 8211	O	WAT	1634	12.088	-14.311	17.217	-0.834000
HETATM 8212	H1	WAT	1634	12.259	-13.391	17.017	0.417000
HETATM 8213	H2	WAT	1634	12.668	-14.508	17.953	0.417000
HETATM 8214	O	WAT	1635	5.443	-8.691	-33.351	-0.834000
HETATM 8215	H1	WAT	1635	6.040	-8.348	-32.685	0.417000
HETATM 8216	H2	WAT	1635	5.843	-8.440	-34.183	0.417000
HETATM 8217	O	WAT	1636	10.940	21.940	23.104	-0.834000
HETATM 8218	H1	WAT	1636	11.813	22.233	22.843	0.417000
HETATM 8219	H2	WAT	1636	10.441	21.917	22.287	0.417000
HETATM 8220	O	WAT	1637	-11.402	4.719	-21.578	-0.834000
HETATM 8221	H1	WAT	1637	-10.463	4.877	-21.676	0.417000
HETATM 8222	H2	WAT	1637	-11.668	4.335	-22.413	0.417000
HETATM 8223	O	WAT	1638	-6.721	33.013	8.628	-0.834000
HETATM 8224	H1	WAT	1638	-7.601	33.041	9.004	0.417000
HETATM 8225	H2	WAT	1638	-6.850	33.211	7.700	0.417000
HETATM 8226	O	WAT	1639	-0.766	16.310	-5.366	-0.834000
HETATM 8227	H1	WAT	1639	0.155	16.446	-5.589	0.417000
HETATM 8228	H2	WAT	1639	-0.935	15.396	-5.595	0.417000
HETATM 8229	O	WAT	1640	10.281	-4.624	11.262	-0.834000
HETATM 8230	H1	WAT	1640	9.802	-4.318	10.493	0.417000
HETATM 8231	H2	WAT	1640	11.203	-4.499	11.036	0.417000
HETATM 8232	O	WAT	1641	7.986	-24.496	17.700	-0.834000
HETATM 8233	H1	WAT	1641	7.323	-24.181	18.314	0.417000
HETATM 8234	H2	WAT	1641	7.485	-24.916	17.001	0.417000
HETATM 8235	O	WAT	1642	30.092	6.709	4.174	-0.834000
HETATM 8236	H1	WAT	1642	30.703	6.210	3.632	0.417000
HETATM 8237	H2	WAT	1642	30.649	7.296	4.684	0.417000
HETATM 8238	O	WAT	1643	-5.367	-25.488	-13.054	-0.834000
HETATM 8239	H1	WAT	1643	-6.317	-25.608	-13.035	0.417000
HETATM 8240	H2	WAT	1643	-5.206	-24.976	-13.846	0.417000
HETATM 8241	O	WAT	1644	15.293	4.514	-20.474	-0.834000
HETATM 8242	H1	WAT	1644	14.892	4.707	-21.321	0.417000
HETATM 8243	H2	WAT	1644	15.535	5.370	-20.122	0.417000
HETATM 8244	O	WAT	1645	11.810	18.969	11.378	-0.834000
HETATM 8245	H1	WAT	1645	11.895	18.316	12.072	0.417000
HETATM 8246	H2	WAT	1645	11.472	19.748	11.821	0.417000
HETATM 8247	O	WAT	1646	-1.945	28.381	10.443	-0.834000
HETATM 8248	H1	WAT	1646	-0.996	28.509	10.470	0.417000
HETATM 8249	H2	WAT	1646	-2.103	27.636	11.023	0.417000
HETATM 8250	O	WAT	1647	-19.673	10.273	20.223	-0.834000
HETATM 8251	H1	WAT	1647	-20.167	10.813	19.605	0.417000
HETATM 8252	H2	WAT	1647	-20.015	10.520	21.082	0.417000
HETATM 8253	O	WAT	1648	5.570	-28.012	5.687	-0.834000
HETATM 8254	H1	WAT	1648	4.992	-27.595	5.048	0.417000
HETATM 8255	H2	WAT	1648	5.270	-27.681	6.533	0.417000
HETATM 8256	O	WAT	1649	-1.977	-26.595	-5.242	-0.834000
HETATM 8257	H1	WAT	1649	-2.317	-26.830	-4.379	0.417000

HETATM 8258	H2	WAT	1649	-2.113	-25.650	-5.304	0.417000
HETATM 8259	O	WAT	1650	15.392	19.258	21.437	-0.834000
HETATM 8260	H1	WAT	1650	15.878	19.588	20.681	0.417000
HETATM 8261	H2	WAT	1650	15.922	19.513	22.192	0.417000
HETATM 8262	O	WAT	1651	5.360	33.042	9.102	-0.834000
HETATM 8263	H1	WAT	1651	5.335	33.994	9.000	0.417000
HETATM 8264	H2	WAT	1651	4.674	32.721	8.516	0.417000
HETATM 8265	O	WAT	1652	13.642	13.274	-0.008	-0.834000
HETATM 8266	H1	WAT	1652	13.524	14.146	-0.385	0.417000
HETATM 8267	H2	WAT	1652	12.761	12.999	0.244	0.417000
HETATM 8268	O	WAT	1653	-1.330	7.300	25.228	-0.834000
HETATM 8269	H1	WAT	1653	-1.950	7.541	24.540	0.417000
HETATM 8270	H2	WAT	1653	-0.598	7.906	25.113	0.417000
HETATM 8271	O	WAT	1654	26.355	14.196	-3.737	-0.834000
HETATM 8272	H1	WAT	1654	26.349	13.442	-4.327	0.417000
HETATM 8273	H2	WAT	1654	26.820	14.877	-4.223	0.417000
HETATM 8274	O	WAT	1655	22.522	-9.562	17.628	-0.834000
HETATM 8275	H1	WAT	1655	23.088	-9.536	18.399	0.417000
HETATM 8276	H2	WAT	1655	22.266	-10.481	17.550	0.417000
HETATM 8277	O	WAT	1656	-3.730	5.439	30.778	-0.834000
HETATM 8278	H1	WAT	1656	-4.546	5.761	30.395	0.417000
HETATM 8279	H2	WAT	1656	-3.806	4.486	30.739	0.417000
HETATM 8280	O	WAT	1657	9.569	17.831	-18.208	-0.834000
HETATM 8281	H1	WAT	1657	10.033	17.783	-19.044	0.417000
HETATM 8282	H2	WAT	1657	8.645	17.893	-18.450	0.417000
HETATM 8283	O	WAT	1658	-22.575	-16.009	-8.797	-0.834000
HETATM 8284	H1	WAT	1658	-23.019	-16.433	-8.063	0.417000
HETATM 8285	H2	WAT	1658	-22.560	-15.081	-8.565	0.417000
HETATM 8286	O	WAT	1659	19.999	0.419	9.863	-0.834000
HETATM 8287	H1	WAT	1659	20.507	-0.131	9.267	0.417000
HETATM 8288	H2	WAT	1659	20.202	1.315	9.594	0.417000
HETATM 8289	O	WAT	1660	13.049	-11.865	16.282	-0.834000
HETATM 8290	H1	WAT	1660	13.990	-12.014	16.195	0.417000
HETATM 8291	H2	WAT	1660	12.730	-11.817	15.381	0.417000
HETATM 8292	O	WAT	1661	4.669	29.293	-18.745	-0.834000
HETATM 8293	H1	WAT	1661	4.959	28.560	-18.202	0.417000
HETATM 8294	H2	WAT	1661	3.782	29.054	-19.015	0.417000
HETATM 8295	O	WAT	1662	-3.253	26.051	-9.637	-0.834000
HETATM 8296	H1	WAT	1662	-4.037	25.536	-9.446	0.417000
HETATM 8297	H2	WAT	1662	-3.411	26.894	-9.213	0.417000
HETATM 8298	O	WAT	1663	-25.661	-20.609	12.708	-0.834000
HETATM 8299	H1	WAT	1663	-25.607	-19.975	11.993	0.417000
HETATM 8300	H2	WAT	1663	-26.429	-20.338	13.211	0.417000
HETATM 8301	O	WAT	1664	9.099	12.759	21.314	-0.834000
HETATM 8302	H1	WAT	1664	9.628	13.545	21.180	0.417000
HETATM 8303	H2	WAT	1664	8.924	12.434	20.431	0.417000
HETATM 8304	O	WAT	1665	-22.889	21.525	-15.228	-0.834000
HETATM 8305	H1	WAT	1665	-23.352	21.905	-15.974	0.417000
HETATM 8306	H2	WAT	1665	-22.477	22.272	-14.795	0.417000
HETATM 8307	O	WAT	1666	-5.250	-14.236	24.556	-0.834000
HETATM 8308	H1	WAT	1666	-5.882	-13.905	23.917	0.417000
HETATM 8309	H2	WAT	1666	-4.397	-14.087	24.149	0.417000
HETATM 8310	O	WAT	1667	15.792	-14.362	12.475	-0.834000
HETATM 8311	H1	WAT	1667	16.501	-13.798	12.166	0.417000
HETATM 8312	H2	WAT	1667	15.874	-15.159	11.951	0.417000
HETATM 8313	O	WAT	1668	-10.607	27.662	3.698	-0.834000
HETATM 8314	H1	WAT	1668	-10.147	28.245	4.302	0.417000
HETATM 8315	H2	WAT	1668	-11.036	28.250	3.077	0.417000
HETATM 8316	O	WAT	1669	-22.175	2.119	21.384	-0.834000
HETATM 8317	H1	WAT	1669	-22.855	1.690	20.865	0.417000
HETATM 8318	H2	WAT	1669	-22.429	1.956	22.293	0.417000
HETATM 8319	O	WAT	1670	9.247	21.468	-9.262	-0.834000
HETATM 8320	H1	WAT	1670	8.345	21.515	-9.581	0.417000
HETATM 8321	H2	WAT	1670	9.784	21.607	-10.042	0.417000
HETATM 8322	O	WAT	1671	22.972	-0.309	14.120	-0.834000
HETATM 8323	H1	WAT	1671	22.821	-1.019	14.744	0.417000
HETATM 8324	H2	WAT	1671	22.113	-0.148	13.728	0.417000
HETATM 8325	O	WAT	1672	-31.923	-13.711	1.649	-0.834000
HETATM 8326	H1	WAT	1672	-31.871	-13.454	0.728	0.417000
HETATM 8327	H2	WAT	1672	-31.046	-14.036	1.856	0.417000

HETATM 8328	O	WAT	1673	8.906	-33.143	-0.405	-0.834000
HETATM 8329	H1	WAT	1673	8.130	-33.431	-0.886	0.417000
HETATM 8330	H2	WAT	1673	8.614	-33.078	0.504	0.417000
HETATM 8331	O	WAT	1674	13.182	25.183	-5.636	-0.834000
HETATM 8332	H1	WAT	1674	12.364	25.609	-5.381	0.417000
HETATM 8333	H2	WAT	1674	13.684	25.870	-6.074	0.417000
HETATM 8334	O	WAT	1675	10.655	-19.653	1.997	-0.834000
HETATM 8335	H1	WAT	1675	11.244	-20.406	2.042	0.417000
HETATM 8336	H2	WAT	1675	10.233	-19.627	2.856	0.417000
HETATM 8337	O	WAT	1676	-19.755	-24.144	11.678	-0.834000
HETATM 8338	H1	WAT	1676	-19.461	-24.843	12.263	0.417000
HETATM 8339	H2	WAT	1676	-19.699	-24.526	10.802	0.417000
HETATM 8340	O	WAT	1677	-28.680	1.992	11.866	-0.834000
HETATM 8341	H1	WAT	1677	-28.969	2.799	11.440	0.417000
HETATM 8342	H2	WAT	1677	-28.396	1.430	11.145	0.417000
HETATM 8343	O	WAT	1678	13.777	10.607	23.281	-0.834000
HETATM 8344	H1	WAT	1678	14.405	9.884	23.298	0.417000
HETATM 8345	H2	WAT	1678	12.925	10.187	23.400	0.417000
HETATM 8346	O	WAT	1679	5.054	18.726	-27.934	-0.834000
HETATM 8347	H1	WAT	1679	4.957	17.924	-27.420	0.417000
HETATM 8348	H2	WAT	1679	4.406	18.641	-28.635	0.417000
HETATM 8349	O	WAT	1680	-16.769	-25.132	0.209	-0.834000
HETATM 8350	H1	WAT	1680	-16.570	-26.067	0.162	0.417000
HETATM 8351	H2	WAT	1680	-16.931	-24.875	-0.699	0.417000
HETATM 8352	O	WAT	1681	-11.344	-30.131	4.717	-0.834000
HETATM 8353	H1	WAT	1681	-10.822	-29.336	4.607	0.417000
HETATM 8354	H2	WAT	1681	-12.249	-29.822	4.735	0.417000
HETATM 8355	O	WAT	1682	15.459	21.890	0.257	-0.834000
HETATM 8356	H1	WAT	1682	14.958	22.514	0.781	0.417000
HETATM 8357	H2	WAT	1682	16.374	22.097	0.447	0.417000
HETATM 8358	O	WAT	1683	-24.335	18.578	16.674	-0.834000
HETATM 8359	H1	WAT	1683	-23.779	18.264	15.960	0.417000
HETATM 8360	H2	WAT	1683	-24.610	19.452	16.397	0.417000
HETATM 8361	O	WAT	1684	10.616	-2.991	26.267	-0.834000
HETATM 8362	H1	WAT	1684	10.726	-3.869	25.901	0.417000
HETATM 8363	H2	WAT	1684	11.025	-3.038	27.131	0.417000
HETATM 8364	O	WAT	1685	-6.745	-3.439	27.356	-0.834000
HETATM 8365	H1	WAT	1685	-6.512	-4.150	27.954	0.417000
HETATM 8366	H2	WAT	1685	-6.209	-3.595	26.578	0.417000
HETATM 8367	O	WAT	1686	20.529	6.315	19.230	-0.834000
HETATM 8368	H1	WAT	1686	19.964	6.243	18.460	0.417000
HETATM 8369	H2	WAT	1686	19.941	6.179	19.972	0.417000
HETATM 8370	O	WAT	1687	33.713	-0.421	7.589	-0.834000
HETATM 8371	H1	WAT	1687	33.653	-1.123	8.237	0.417000
HETATM 8372	H2	WAT	1687	33.144	-0.706	6.874	0.417000
HETATM 8373	O	WAT	1688	-23.004	-18.269	10.139	-0.834000
HETATM 8374	H1	WAT	1688	-23.905	-18.423	10.424	0.417000
HETATM 8375	H2	WAT	1688	-23.092	-17.845	9.286	0.417000
HETATM 8376	O	WAT	1689	24.689	-11.920	14.991	-0.834000
HETATM 8377	H1	WAT	1689	23.901	-12.445	15.133	0.417000
HETATM 8378	H2	WAT	1689	25.328	-12.276	15.608	0.417000
HETATM 8379	O	WAT	1690	1.719	19.226	18.397	-0.834000
HETATM 8380	H1	WAT	1690	2.522	19.697	18.619	0.417000
HETATM 8381	H2	WAT	1690	1.131	19.395	19.134	0.417000
HETATM 8382	O	WAT	1691	4.508	-30.500	-6.642	-0.834000
HETATM 8383	H1	WAT	1691	4.477	-29.927	-5.876	0.417000
HETATM 8384	H2	WAT	1691	4.853	-29.946	-7.342	0.417000
HETATM 8385	O	WAT	1692	-3.835	-23.939	-19.475	-0.834000
HETATM 8386	H1	WAT	1692	-3.980	-23.653	-20.377	0.417000
HETATM 8387	H2	WAT	1692	-2.934	-23.679	-19.283	0.417000
HETATM 8388	O	WAT	1693	26.782	2.561	8.302	-0.834000
HETATM 8389	H1	WAT	1693	26.084	3.164	8.557	0.417000
HETATM 8390	H2	WAT	1693	26.774	2.575	7.345	0.417000
HETATM 8391	O	WAT	1694	18.365	-9.800	21.304	-0.834000
HETATM 8392	H1	WAT	1694	18.829	-10.351	20.673	0.417000
HETATM 8393	H2	WAT	1694	18.380	-10.303	22.118	0.417000
HETATM 8394	O	WAT	1695	13.160	7.921	-19.670	-0.834000
HETATM 8395	H1	WAT	1695	13.210	8.749	-20.147	0.417000
HETATM 8396	H2	WAT	1695	12.535	8.088	-18.965	0.417000
HETATM 8397	O	WAT	1696	6.817	14.488	28.667	-0.834000

HETATM 8398	H1	WAT	1696	7.412	14.927	29.276	0.417000
HETATM 8399	H2	WAT	1696	6.564	13.683	29.118	0.417000
HETATM 8400	O	WAT	1697	-3.752	3.570	-32.750	-0.834000
HETATM 8401	H1	WAT	1697	-3.779	3.733	-31.807	0.417000
HETATM 8402	H2	WAT	1697	-4.663	3.643	-33.033	0.417000
HETATM 8403	O	WAT	1698	-19.948	-23.416	-8.054	-0.834000
HETATM 8404	H1	WAT	1698	-20.422	-23.524	-8.879	0.417000
HETATM 8405	H2	WAT	1698	-19.763	-22.478	-8.006	0.417000
HETATM 8406	O	WAT	1699	1.340	10.183	-27.286	-0.834000
HETATM 8407	H1	WAT	1699	2.141	10.443	-27.740	0.417000
HETATM 8408	H2	WAT	1699	0.819	10.984	-27.239	0.417000
HETATM 8409	O	WAT	1700	-22.584	-7.505	-24.965	-0.834000
HETATM 8410	H1	WAT	1700	-22.087	-8.120	-25.505	0.417000
HETATM 8411	H2	WAT	1700	-22.157	-7.539	-24.109	0.417000
HETATM 8412	O	WAT	1701	0.270	-31.306	-2.135	-0.834000
HETATM 8413	H1	WAT	1701	0.675	-31.622	-1.327	0.417000
HETATM 8414	H2	WAT	1701	-0.138	-30.476	-1.888	0.417000
HETATM 8415	O	WAT	1702	-32.878	8.440	-11.074	-0.834000
HETATM 8416	H1	WAT	1702	-31.970	8.742	-11.102	0.417000
HETATM 8417	H2	WAT	1702	-32.813	7.502	-10.896	0.417000
HETATM 8418	O	WAT	1703	-20.936	-5.355	-16.742	-0.834000
HETATM 8419	H1	WAT	1703	-20.132	-4.949	-17.065	0.417000
HETATM 8420	H2	WAT	1703	-20.639	-6.130	-16.265	0.417000
HETATM 8421	O	WAT	1704	-3.024	25.346	-25.193	-0.834000
HETATM 8422	H1	WAT	1704	-3.229	25.088	-26.092	0.417000
HETATM 8423	H2	WAT	1704	-3.210	24.565	-24.672	0.417000
HETATM 8424	O	WAT	1705	-1.721	-33.192	-10.988	-0.834000
HETATM 8425	H1	WAT	1705	-2.471	-32.960	-10.441	0.417000
HETATM 8426	H2	WAT	1705	-1.991	-33.992	-11.439	0.417000
HETATM 8427	O	WAT	1706	11.211	4.471	17.816	-0.834000
HETATM 8428	H1	WAT	1706	11.247	4.929	16.976	0.417000
HETATM 8429	H2	WAT	1706	10.831	3.617	17.606	0.417000
HETATM 8430	O	WAT	1707	-2.769	-3.528	26.937	-0.834000
HETATM 8431	H1	WAT	1707	-2.808	-2.619	27.232	0.417000
HETATM 8432	H2	WAT	1707	-3.558	-3.643	26.408	0.417000
HETATM 8433	O	WAT	1708	-0.974	-1.220	-31.312	-0.834000
HETATM 8434	H1	WAT	1708	-0.550	-0.362	-31.342	0.417000
HETATM 8435	H2	WAT	1708	-0.293	-1.812	-30.994	0.417000
HETATM 8436	O	WAT	1709	-16.575	24.378	8.020	-0.834000
HETATM 8437	H1	WAT	1709	-16.804	24.070	8.897	0.417000
HETATM 8438	H2	WAT	1709	-16.586	23.588	7.478	0.417000
HETATM 8439	O	WAT	1710	26.598	2.861	5.562	-0.834000
HETATM 8440	H1	WAT	1710	27.381	3.362	5.333	0.417000
HETATM 8441	H2	WAT	1710	25.879	3.337	5.146	0.417000
HETATM 8442	O	WAT	1711	32.109	10.905	6.729	-0.834000
HETATM 8443	H1	WAT	1711	31.500	11.191	7.409	0.417000
HETATM 8444	H2	WAT	1711	32.955	10.848	7.173	0.417000
HETATM 8445	O	WAT	1712	14.295	-20.024	21.131	-0.834000
HETATM 8446	H1	WAT	1712	13.698	-19.519	21.684	0.417000
HETATM 8447	H2	WAT	1712	14.526	-19.427	20.420	0.417000
HETATM 8448	O	WAT	1713	14.518	21.896	-21.259	-0.834000
HETATM 8449	H1	WAT	1713	13.791	22.335	-20.817	0.417000
HETATM 8450	H2	WAT	1713	15.237	21.931	-20.629	0.417000
HETATM 8451	O	WAT	1714	-4.375	-14.113	27.159	-0.834000
HETATM 8452	H1	WAT	1714	-4.803	-14.161	26.304	0.417000
HETATM 8453	H2	WAT	1714	-3.622	-14.698	27.083	0.417000
HETATM 8454	O	WAT	1715	1.404	2.837	25.330	-0.834000
HETATM 8455	H1	WAT	1715	1.470	3.562	25.952	0.417000
HETATM 8456	H2	WAT	1715	1.311	2.058	25.878	0.417000
HETATM 8457	O	WAT	1716	-15.887	23.791	-19.311	-0.834000
HETATM 8458	H1	WAT	1716	-15.494	22.921	-19.374	0.417000
HETATM 8459	H2	WAT	1716	-15.549	24.262	-20.073	0.417000
HETATM 8460	O	WAT	1717	7.426	21.731	15.401	-0.834000
HETATM 8461	H1	WAT	1717	7.702	21.319	14.583	0.417000
HETATM 8462	H2	WAT	1717	8.244	21.944	15.850	0.417000
HETATM 8463	O	WAT	1718	-20.590	7.514	13.229	-0.834000
HETATM 8464	H1	WAT	1718	-21.330	8.056	12.955	0.417000
HETATM 8465	H2	WAT	1718	-20.006	7.504	12.470	0.417000
HETATM 8466	O	WAT	1719	7.055	-29.870	-1.401	-0.834000
HETATM 8467	H1	WAT	1719	7.060	-29.907	-0.445	0.417000

HETATM 8468	H2	WAT	1719	6.976	-28.937	-1.604	0.417000
HETATM 8469	O	WAT	1720	8.223	-8.461	26.490	-0.834000
HETATM 8470	H1	WAT	1720	8.689	-8.766	25.711	0.417000
HETATM 8471	H2	WAT	1720	8.150	-7.514	26.369	0.417000
HETATM 8472	O	WAT	1721	-11.644	16.638	26.402	-0.834000
HETATM 8473	H1	WAT	1721	-11.425	15.794	26.008	0.417000
HETATM 8474	H2	WAT	1721	-10.840	16.910	26.846	0.417000
HETATM 8475	O	WAT	1722	4.788	-30.960	-2.552	-0.834000
HETATM 8476	H1	WAT	1722	5.657	-30.740	-2.218	0.417000
HETATM 8477	H2	WAT	1722	4.901	-31.814	-2.969	0.417000
HETATM 8478	O	WAT	1723	20.085	7.344	-5.745	-0.834000
HETATM 8479	H1	WAT	1723	20.251	8.272	-5.914	0.417000
HETATM 8480	H2	WAT	1723	19.419	7.099	-6.387	0.417000
HETATM 8481	O	WAT	1724	20.421	1.662	-13.620	-0.834000
HETATM 8482	H1	WAT	1724	20.756	2.526	-13.382	0.417000
HETATM 8483	H2	WAT	1724	20.511	1.142	-12.821	0.417000
HETATM 8484	O	WAT	1725	11.764	-3.490	28.703	-0.834000
HETATM 8485	H1	WAT	1725	12.266	-4.303	28.749	0.417000
HETATM 8486	H2	WAT	1725	12.354	-2.823	29.054	0.417000
HETATM 8487	O	WAT	1726	-14.286	-19.808	-2.729	-0.834000
HETATM 8488	H1	WAT	1726	-14.204	-18.872	-2.549	0.417000
HETATM 8489	H2	WAT	1726	-14.615	-19.852	-3.627	0.417000
HETATM 8490	O	WAT	1727	32.414	-5.088	-8.935	-0.834000
HETATM 8491	H1	WAT	1727	32.083	-5.764	-9.525	0.417000
HETATM 8492	H2	WAT	1727	33.171	-4.721	-9.392	0.417000
HETATM 8493	O	WAT	1728	17.990	-11.128	27.932	-0.834000
HETATM 8494	H1	WAT	1728	17.363	-11.850	27.883	0.417000
HETATM 8495	H2	WAT	1728	17.795	-10.697	28.764	0.417000
HETATM 8496	O	WAT	1729	17.938	-17.009	-20.201	-0.834000
HETATM 8497	H1	WAT	1729	17.724	-16.103	-20.421	0.417000
HETATM 8498	H2	WAT	1729	17.500	-17.162	-19.364	0.417000
HETATM 8499	O	WAT	1730	1.900	-27.156	20.452	-0.834000
HETATM 8500	H1	WAT	1730	1.235	-26.698	19.938	0.417000
HETATM 8501	H2	WAT	1730	2.651	-27.228	19.862	0.417000
HETATM 8502	O	WAT	1731	-3.980	2.689	30.495	-0.834000
HETATM 8503	H1	WAT	1731	-3.142	2.418	30.120	0.417000
HETATM 8504	H2	WAT	1731	-4.623	2.104	30.093	0.417000
HETATM 8505	O	WAT	1732	6.132	18.349	5.547	-0.834000
HETATM 8506	H1	WAT	1732	5.354	18.747	5.937	0.417000
HETATM 8507	H2	WAT	1732	6.856	18.905	5.836	0.417000
HETATM 8508	O	WAT	1733	-27.603	1.469	-19.052	-0.834000
HETATM 8509	H1	WAT	1733	-28.176	2.170	-19.364	0.417000
HETATM 8510	H2	WAT	1733	-28.135	0.676	-19.124	0.417000
HETATM 8511	O	WAT	1734	-21.391	-18.112	14.642	-0.834000
HETATM 8512	H1	WAT	1734	-22.190	-18.638	14.634	0.417000
HETATM 8513	H2	WAT	1734	-21.686	-17.224	14.443	0.417000
HETATM 8514	O	WAT	1735	19.516	-9.732	-10.521	-0.834000
HETATM 8515	H1	WAT	1735	19.085	-10.583	-10.607	0.417000
HETATM 8516	H2	WAT	1735	18.866	-9.103	-10.835	0.417000
HETATM 8517	O	WAT	1736	-9.796	8.141	26.234	-0.834000
HETATM 8518	H1	WAT	1736	-9.675	7.971	27.168	0.417000
HETATM 8519	H2	WAT	1736	-10.138	7.319	25.883	0.417000
HETATM 8520	O	WAT	1737	23.636	-7.640	16.004	-0.834000
HETATM 8521	H1	WAT	1737	24.111	-8.141	15.341	0.417000
HETATM 8522	H2	WAT	1737	23.178	-8.302	16.521	0.417000
HETATM 8523	O	WAT	1738	20.093	-8.338	24.649	-0.834000
HETATM 8524	H1	WAT	1738	19.282	-8.685	25.022	0.417000
HETATM 8525	H2	WAT	1738	19.934	-7.398	24.564	0.417000
HETATM 8526	O	WAT	1739	7.069	-8.938	22.746	-0.834000
HETATM 8527	H1	WAT	1739	6.921	-9.868	22.576	0.417000
HETATM 8528	H2	WAT	1739	6.861	-8.507	21.917	0.417000
HETATM 8529	O	WAT	1740	-5.882	-0.799	27.213	-0.834000
HETATM 8530	H1	WAT	1740	-6.259	-1.668	27.350	0.417000
HETATM 8531	H2	WAT	1740	-6.301	-0.480	26.414	0.417000
HETATM 8532	O	WAT	1741	-23.012	7.080	-4.828	-0.834000
HETATM 8533	H1	WAT	1741	-22.403	7.779	-4.587	0.417000
HETATM 8534	H2	WAT	1741	-22.775	6.855	-5.728	0.417000
HETATM 8535	O	WAT	1742	30.532	4.825	-10.192	-0.834000
HETATM 8536	H1	WAT	1742	31.209	4.507	-9.595	0.417000
HETATM 8537	H2	WAT	1742	30.415	5.745	-9.952	0.417000

HETATM 8538	O	WAT	1743	-8.198	28.195	7.614	-0.834000
HETATM 8539	H1	WAT	1743	-8.413	27.317	7.930	0.417000
HETATM 8540	H2	WAT	1743	-7.258	28.282	7.771	0.417000
HETATM 8541	O	WAT	1744	-13.319	12.973	-10.567	-0.834000
HETATM 8542	H1	WAT	1744	-13.042	13.845	-10.849	0.417000
HETATM 8543	H2	WAT	1744	-14.237	13.081	-10.318	0.417000
HETATM 8544	O	WAT	1745	-2.925	-17.300	4.656	-0.834000
HETATM 8545	H1	WAT	1745	-1.970	-17.284	4.730	0.417000
HETATM 8546	H2	WAT	1745	-3.187	-16.384	4.740	0.417000
HETATM 8547	O	WAT	1746	11.438	-16.384	21.804	-0.834000
HETATM 8548	H1	WAT	1746	12.367	-16.155	21.778	0.417000
HETATM 8549	H2	WAT	1746	11.004	-15.676	21.328	0.417000
HETATM 8550	O	WAT	1747	14.607	-0.175	-28.343	-0.834000
HETATM 8551	H1	WAT	1747	14.657	0.524	-27.691	0.417000
HETATM 8552	H2	WAT	1747	14.558	-0.980	-27.827	0.417000
HETATM 8553	O	WAT	1748	15.438	-7.640	-20.701	-0.834000
HETATM 8554	H1	WAT	1748	16.177	-7.900	-21.250	0.417000
HETATM 8555	H2	WAT	1748	14.692	-7.610	-21.300	0.417000
HETATM 8556	O	WAT	1749	-19.759	-7.579	-27.985	-0.834000
HETATM 8557	H1	WAT	1749	-20.337	-8.143	-27.471	0.417000
HETATM 8558	H2	WAT	1749	-19.830	-6.720	-27.567	0.417000
HETATM 8559	O	WAT	1750	-5.678	-30.150	-15.654	-0.834000
HETATM 8560	H1	WAT	1750	-5.763	-30.192	-16.606	0.417000
HETATM 8561	H2	WAT	1750	-5.035	-29.458	-15.501	0.417000
HETATM 8562	O	WAT	1751	-11.829	-17.055	-16.645	-0.834000
HETATM 8563	H1	WAT	1751	-12.106	-17.437	-17.477	0.417000
HETATM 8564	H2	WAT	1751	-12.526	-17.286	-16.031	0.417000
HETATM 8565	O	WAT	1752	21.711	-19.446	6.538	-0.834000
HETATM 8566	H1	WAT	1752	21.986	-20.356	6.656	0.417000
HETATM 8567	H2	WAT	1752	21.391	-19.407	5.637	0.417000
HETATM 8568	O	WAT	1753	14.119	-26.967	-4.562	-0.834000
HETATM 8569	H1	WAT	1753	14.443	-27.639	-5.163	0.417000
HETATM 8570	H2	WAT	1753	13.185	-27.155	-4.474	0.417000
HETATM 8571	O	WAT	1754	-9.715	-10.363	-11.423	-0.834000
HETATM 8572	H1	WAT	1754	-9.330	-9.632	-10.940	0.417000
HETATM 8573	H2	WAT	1754	-9.413	-10.242	-12.323	0.417000
HETATM 8574	O	WAT	1755	-10.964	-16.752	-6.025	-0.834000
HETATM 8575	H1	WAT	1755	-11.815	-16.990	-5.657	0.417000
HETATM 8576	H2	WAT	1755	-11.125	-16.665	-6.965	0.417000
HETATM 8577	O	WAT	1756	24.637	-10.659	8.209	-0.834000
HETATM 8578	H1	WAT	1756	23.930	-10.219	7.738	0.417000
HETATM 8579	H2	WAT	1756	24.383	-11.582	8.216	0.417000
HETATM 8580	O	WAT	1757	-8.043	18.237	2.968	-0.834000
HETATM 8581	H1	WAT	1757	-8.015	19.102	3.376	0.417000
HETATM 8582	H2	WAT	1757	-8.948	18.140	2.673	0.417000
HETATM 8583	O	WAT	1758	0.491	-25.410	2.220	-0.834000
HETATM 8584	H1	WAT	1758	0.810	-24.739	2.824	0.417000
HETATM 8585	H2	WAT	1758	0.550	-25.002	1.356	0.417000
HETATM 8586	O	WAT	1759	8.605	25.415	-8.178	-0.834000
HETATM 8587	H1	WAT	1759	9.012	26.209	-7.834	0.417000
HETATM 8588	H2	WAT	1759	7.845	25.271	-7.614	0.417000
HETATM 8589	O	WAT	1760	-11.570	-18.199	14.638	-0.834000
HETATM 8590	H1	WAT	1760	-12.190	-17.730	15.196	0.417000
HETATM 8591	H2	WAT	1760	-11.572	-19.094	14.977	0.417000
HETATM 8592	O	WAT	1761	16.615	-7.211	27.142	-0.834000
HETATM 8593	H1	WAT	1761	17.122	-6.407	27.252	0.417000
HETATM 8594	H2	WAT	1761	16.121	-7.295	27.958	0.417000
HETATM 8595	O	WAT	1762	27.019	-1.921	-0.431	-0.834000
HETATM 8596	H1	WAT	1762	26.663	-2.094	0.440	0.417000
HETATM 8597	H2	WAT	1762	26.455	-2.418	-1.024	0.417000
HETATM 8598	O	WAT	1763	-3.827	19.294	-5.019	-0.834000
HETATM 8599	H1	WAT	1763	-4.533	18.876	-4.525	0.417000
HETATM 8600	H2	WAT	1763	-4.264	19.972	-5.534	0.417000
HETATM 8601	O	WAT	1764	16.298	-27.303	8.575	-0.834000
HETATM 8602	H1	WAT	1764	15.919	-28.180	8.518	0.417000
HETATM 8603	H2	WAT	1764	15.553	-26.732	8.764	0.417000
HETATM 8604	O	WAT	1765	-16.319	-14.557	-8.619	-0.834000
HETATM 8605	H1	WAT	1765	-16.994	-14.461	-9.290	0.417000
HETATM 8606	H2	WAT	1765	-16.787	-14.448	-7.791	0.417000
HETATM 8607	O	WAT	1766	-23.433	-17.010	7.751	-0.834000

HETATM 8608	H1	WAT	1766	-24.379	-17.018	7.606	0.417000
HETATM 8609	H2	WAT	1766	-23.055	-17.111	6.878	0.417000
HETATM 8610	O	WAT	1767	-7.267	-19.480	26.051	-0.834000
HETATM 8611	H1	WAT	1767	-6.373	-19.182	25.882	0.417000
HETATM 8612	H2	WAT	1767	-7.308	-20.350	25.656	0.417000
HETATM 8613	O	WAT	1768	-21.805	-19.859	-2.013	-0.834000
HETATM 8614	H1	WAT	1768	-22.365	-20.326	-1.392	0.417000
HETATM 8615	H2	WAT	1768	-21.737	-20.448	-2.764	0.417000
HETATM 8616	O	WAT	1769	-2.781	24.330	-11.797	-0.834000
HETATM 8617	H1	WAT	1769	-1.828	24.313	-11.880	0.417000
HETATM 8618	H2	WAT	1769	-2.949	24.943	-11.082	0.417000
HETATM 8619	O	WAT	1770	23.660	24.241	10.492	-0.834000
HETATM 8620	H1	WAT	1770	24.491	24.241	10.016	0.417000
HETATM 8621	H2	WAT	1770	22.996	24.369	9.814	0.417000
HETATM 8622	O	WAT	1771	-16.165	-15.160	-13.222	-0.834000
HETATM 8623	H1	WAT	1771	-15.908	-15.161	-14.144	0.417000
HETATM 8624	H2	WAT	1771	-17.074	-14.858	-13.228	0.417000
HETATM 8625	O	WAT	1772	-17.126	0.275	-20.974	-0.834000
HETATM 8626	H1	WAT	1772	-17.393	0.730	-20.176	0.417000
HETATM 8627	H2	WAT	1772	-16.228	-0.008	-20.799	0.417000
HETATM 8628	O	WAT	1773	2.099	-11.099	-31.693	-0.834000
HETATM 8629	H1	WAT	1773	2.167	-10.369	-31.078	0.417000
HETATM 8630	H2	WAT	1773	2.909	-11.059	-32.202	0.417000
HETATM 8631	O	WAT	1774	-13.550	-6.163	-26.273	-0.834000
HETATM 8632	H1	WAT	1774	-13.102	-5.827	-27.050	0.417000
HETATM 8633	H2	WAT	1774	-14.477	-6.153	-26.509	0.417000
HETATM 8634	O	WAT	1775	-12.837	-11.956	-21.543	-0.834000
HETATM 8635	H1	WAT	1775	-12.755	-12.725	-20.979	0.417000
HETATM 8636	H2	WAT	1775	-13.624	-12.123	-22.062	0.417000
HETATM 8637	O	WAT	1776	5.289	24.892	1.756	-0.834000
HETATM 8638	H1	WAT	1776	5.152	25.676	2.287	0.417000
HETATM 8639	H2	WAT	1776	6.133	25.038	1.327	0.417000
HETATM 8640	O	WAT	1777	-15.801	30.302	5.890	-0.834000
HETATM 8641	H1	WAT	1777	-16.606	30.613	5.474	0.417000
HETATM 8642	H2	WAT	1777	-15.193	31.037	5.814	0.417000
HETATM 8643	O	WAT	1778	-6.371	32.946	1.129	-0.834000
HETATM 8644	H1	WAT	1778	-6.859	33.488	0.510	0.417000
HETATM 8645	H2	WAT	1778	-7.035	32.391	1.538	0.417000
HETATM 8646	O	WAT	1779	-9.699	27.551	-3.509	-0.834000
HETATM 8647	H1	WAT	1779	-9.837	28.360	-4.002	0.417000
HETATM 8648	H2	WAT	1779	-8.911	27.718	-2.992	0.417000
HETATM 8649	O	WAT	1780	-0.482	7.046	-32.327	-0.834000
HETATM 8650	H1	WAT	1780	-0.516	7.829	-31.778	0.417000
HETATM 8651	H2	WAT	1780	-0.833	6.349	-31.773	0.417000
HETATM 8652	O	WAT	1781	-3.268	-16.726	-19.778	-0.834000
HETATM 8653	H1	WAT	1781	-3.552	-16.372	-18.935	0.417000
HETATM 8654	H2	WAT	1781	-2.312	-16.718	-19.731	0.417000
HETATM 8655	O	WAT	1782	-21.349	-14.031	-23.751	-0.834000
HETATM 8656	H1	WAT	1782	-21.958	-14.150	-23.022	0.417000
HETATM 8657	H2	WAT	1782	-20.482	-14.054	-23.345	0.417000
HETATM 8658	O	WAT	1783	-30.282	-13.334	6.275	-0.834000
HETATM 8659	H1	WAT	1783	-29.996	-14.193	5.964	0.417000
HETATM 8660	H2	WAT	1783	-30.789	-12.973	5.548	0.417000
HETATM 8661	O	WAT	1784	9.865	22.240	-19.181	-0.834000
HETATM 8662	H1	WAT	1784	9.137	22.705	-18.768	0.417000
HETATM 8663	H2	WAT	1784	10.092	21.549	-18.558	0.417000
HETATM 8664	O	WAT	1785	22.893	-4.674	-1.188	-0.834000
HETATM 8665	H1	WAT	1785	22.473	-5.513	-1.378	0.417000
HETATM 8666	H2	WAT	1785	22.164	-4.069	-1.046	0.417000
HETATM 8667	O	WAT	1786	8.174	19.530	-4.010	-0.834000
HETATM 8668	H1	WAT	1786	8.614	19.730	-3.184	0.417000
HETATM 8669	H2	WAT	1786	8.706	18.838	-4.403	0.417000
HETATM 8670	O	WAT	1787	8.921	-12.729	-25.965	-0.834000
HETATM 8671	H1	WAT	1787	8.700	-13.343	-26.665	0.417000
HETATM 8672	H2	WAT	1787	8.075	-12.424	-25.638	0.417000
HETATM 8673	O	WAT	1788	3.861	19.197	6.797	-0.834000
HETATM 8674	H1	WAT	1788	3.110	19.338	6.221	0.417000
HETATM 8675	H2	WAT	1788	3.636	18.412	7.297	0.417000
HETATM 8676	O	WAT	1789	21.272	-14.619	3.992	-0.834000
HETATM 8677	H1	WAT	1789	20.383	-14.566	3.641	0.417000

HETATM 8678	H2	WAT	1789	21.725	-15.226	3.407	0.417000
HETATM 8679	O	WAT	1790	-26.134	11.483	-18.920	-0.834000
HETATM 8680	H1	WAT	1790	-25.326	10.973	-18.978	0.417000
HETATM 8681	H2	WAT	1790	-26.826	10.862	-19.149	0.417000
HETATM 8682	O	WAT	1791	3.929	-13.451	32.239	-0.834000
HETATM 8683	H1	WAT	1791	3.023	-13.153	32.157	0.417000
HETATM 8684	H2	WAT	1791	4.180	-13.208	33.130	0.417000
HETATM 8685	O	WAT	1792	13.074	-17.973	-23.240	-0.834000
HETATM 8686	H1	WAT	1792	13.123	-18.786	-22.737	0.417000
HETATM 8687	H2	WAT	1792	12.300	-18.081	-23.794	0.417000
HETATM 8688	O	WAT	1793	23.400	-5.225	24.492	-0.834000
HETATM 8689	H1	WAT	1793	22.734	-4.634	24.142	0.417000
HETATM 8690	H2	WAT	1793	24.018	-4.649	24.942	0.417000
HETATM 8691	O	WAT	1794	-29.294	17.174	8.802	-0.834000
HETATM 8692	H1	WAT	1794	-30.185	17.520	8.774	0.417000
HETATM 8693	H2	WAT	1794	-29.391	16.244	8.598	0.417000
HETATM 8694	O	WAT	1795	7.495	-20.388	-18.172	-0.834000
HETATM 8695	H1	WAT	1795	8.373	-20.766	-18.116	0.417000
HETATM 8696	H2	WAT	1795	7.377	-19.932	-17.339	0.417000
HETATM 8697	O	WAT	1796	-23.860	-13.767	-5.245	-0.834000
HETATM 8698	H1	WAT	1796	-24.690	-13.384	-4.962	0.417000
HETATM 8699	H2	WAT	1796	-23.938	-14.695	-5.027	0.417000
HETATM 8700	O	WAT	1797	-25.625	1.228	-17.014	-0.834000
HETATM 8701	H1	WAT	1797	-26.233	1.279	-17.751	0.417000
HETATM 8702	H2	WAT	1797	-25.760	2.046	-16.535	0.417000
HETATM 8703	O	WAT	1798	9.228	-19.556	23.899	-0.834000
HETATM 8704	H1	WAT	1798	9.965	-20.129	23.685	0.417000
HETATM 8705	H2	WAT	1798	9.255	-19.479	24.853	0.417000
HETATM 8706	O	WAT	1799	-12.931	-4.683	-12.575	-0.834000
HETATM 8707	H1	WAT	1799	-12.439	-4.809	-11.764	0.417000
HETATM 8708	H2	WAT	1799	-13.440	-5.488	-12.674	0.417000
HETATM 8709	O	WAT	1800	-1.535	25.013	9.846	-0.834000
HETATM 8710	H1	WAT	1800	-1.912	25.393	10.640	0.417000
HETATM 8711	H2	WAT	1800	-2.215	24.426	9.516	0.417000
HETATM 8712	O	WAT	1801	11.694	15.209	-30.289	-0.834000
HETATM 8713	H1	WAT	1801	11.768	14.746	-29.454	0.417000
HETATM 8714	H2	WAT	1801	11.393	16.086	-30.051	0.417000
HETATM 8715	O	WAT	1802	-7.729	21.180	23.197	-0.834000
HETATM 8716	H1	WAT	1802	-8.452	21.074	22.578	0.417000
HETATM 8717	H2	WAT	1802	-7.326	22.014	22.953	0.417000
HETATM 8718	O	WAT	1803	13.223	-0.507	26.937	-0.834000
HETATM 8719	H1	WAT	1803	13.231	-0.903	27.808	0.417000
HETATM 8720	H2	WAT	1803	13.844	-1.030	26.430	0.417000
HETATM 8721	O	WAT	1804	30.094	6.039	-16.679	-0.834000
HETATM 8722	H1	WAT	1804	30.098	5.085	-16.756	0.417000
HETATM 8723	H2	WAT	1804	30.339	6.207	-15.769	0.417000
HETATM 8724	O	WAT	1805	25.006	7.161	21.056	-0.834000
HETATM 8725	H1	WAT	1805	25.413	7.900	20.603	0.417000
HETATM 8726	H2	WAT	1805	24.065	7.305	20.951	0.417000
HETATM 8727	O	WAT	1806	10.251	-6.631	29.963	-0.834000
HETATM 8728	H1	WAT	1806	9.853	-5.760	29.936	0.417000
HETATM 8729	H2	WAT	1806	10.387	-6.803	30.894	0.417000
HETATM 8730	O	WAT	1807	-10.910	9.327	-31.967	-0.834000
HETATM 8731	H1	WAT	1807	-10.872	9.919	-31.216	0.417000
HETATM 8732	H2	WAT	1807	-10.206	9.626	-32.544	0.417000
HETATM 8733	O	WAT	1808	32.274	-7.059	-3.629	-0.834000
HETATM 8734	H1	WAT	1808	33.056	-6.962	-4.172	0.417000
HETATM 8735	H2	WAT	1808	32.200	-6.225	-3.165	0.417000
HETATM 8736	O	WAT	1809	9.369	-29.889	3.099	-0.834000
HETATM 8737	H1	WAT	1809	9.157	-30.712	3.541	0.417000
HETATM 8738	H2	WAT	1809	9.032	-29.210	3.683	0.417000
HETATM 8739	O	WAT	1810	-24.241	11.676	-5.496	-0.834000
HETATM 8740	H1	WAT	1810	-23.457	11.648	-4.948	0.417000
HETATM 8741	H2	WAT	1810	-24.859	12.215	-5.002	0.417000
HETATM 8742	O	WAT	1811	-23.794	19.350	-2.276	-0.834000
HETATM 8743	H1	WAT	1811	-24.369	20.114	-2.248	0.417000
HETATM 8744	H2	WAT	1811	-24.330	18.659	-2.665	0.417000
HETATM 8745	O	WAT	1812	6.443	-1.281	18.987	-0.834000
HETATM 8746	H1	WAT	1812	6.230	-0.349	18.935	0.417000
HETATM 8747	H2	WAT	1812	7.388	-1.302	19.140	0.417000

HETATM 8748	O	WAT	1813	26.777	-9.627	6.822	-0.834000
HETATM 8749	H1	WAT	1813	26.103	-10.027	7.372	0.417000
HETATM 8750	H2	WAT	1813	26.347	-8.868	6.428	0.417000
HETATM 8751	O	WAT	1814	-14.143	-15.914	-9.606	-0.834000
HETATM 8752	H1	WAT	1814	-14.426	-16.826	-9.661	0.417000
HETATM 8753	H2	WAT	1814	-14.880	-15.458	-9.200	0.417000
HETATM 8754	O	WAT	1815	5.957	23.879	-20.112	-0.834000
HETATM 8755	H1	WAT	1815	5.752	23.037	-20.518	0.417000
HETATM 8756	H2	WAT	1815	6.549	23.660	-19.392	0.417000
HETATM 8757	O	WAT	1816	6.109	5.086	21.201	-0.834000
HETATM 8758	H1	WAT	1816	5.330	5.603	20.992	0.417000
HETATM 8759	H2	WAT	1816	5.776	4.348	21.711	0.417000
HETATM 8760	O	WAT	1817	22.658	23.498	-1.154	-0.834000
HETATM 8761	H1	WAT	1817	22.185	23.898	-1.884	0.417000
HETATM 8762	H2	WAT	1817	22.244	23.863	-0.372	0.417000
HETATM 8763	O	WAT	1818	17.897	-11.167	14.923	-0.834000
HETATM 8764	H1	WAT	1818	18.578	-11.563	14.379	0.417000
HETATM 8765	H2	WAT	1818	17.294	-10.767	14.297	0.417000
HETATM 8766	O	WAT	1819	-18.588	10.100	-7.262	-0.834000
HETATM 8767	H1	WAT	1819	-19.119	10.888	-7.375	0.417000
HETATM 8768	H2	WAT	1819	-18.794	9.560	-8.025	0.417000
HETATM 8769	O	WAT	1820	10.309	4.562	-31.602	-0.834000
HETATM 8770	H1	WAT	1820	9.400	4.515	-31.899	0.417000
HETATM 8771	H2	WAT	1820	10.317	5.275	-30.964	0.417000
HETATM 8772	O	WAT	1821	2.748	-32.443	4.723	-0.834000
HETATM 8773	H1	WAT	1821	1.882	-32.749	4.454	0.417000
HETATM 8774	H2	WAT	1821	2.758	-31.515	4.488	0.417000
HETATM 8775	O	WAT	1822	13.090	-5.947	-29.043	-0.834000
HETATM 8776	H1	WAT	1822	13.893	-5.946	-29.564	0.417000
HETATM 8777	H2	WAT	1822	12.418	-5.612	-29.637	0.417000
HETATM 8778	O	WAT	1823	-10.103	-14.652	-20.861	-0.834000
HETATM 8779	H1	WAT	1823	-10.949	-14.480	-20.447	0.417000
HETATM 8780	H2	WAT	1823	-10.317	-15.164	-21.640	0.417000
HETATM 8781	O	WAT	1824	16.485	-29.696	2.628	-0.834000
HETATM 8782	H1	WAT	1824	16.855	-29.047	2.030	0.417000
HETATM 8783	H2	WAT	1824	16.377	-30.482	2.092	0.417000
HETATM 8784	O	WAT	1825	-13.545	14.282	4.613	-0.834000
HETATM 8785	H1	WAT	1825	-13.582	15.055	5.176	0.417000
HETATM 8786	H2	WAT	1825	-14.188	13.681	4.988	0.417000
HETATM 8787	O	WAT	1826	10.515	22.773	0.046	-0.834000
HETATM 8788	H1	WAT	1826	10.727	22.461	-0.834	0.417000
HETATM 8789	H2	WAT	1826	9.571	22.635	0.128	0.417000
HETATM 8790	O	WAT	1827	1.688	21.861	21.170	-0.834000
HETATM 8791	H1	WAT	1827	2.437	21.454	21.604	0.417000
HETATM 8792	H2	WAT	1827	1.155	21.124	20.871	0.417000
HETATM 8793	O	WAT	1828	4.769	-15.704	23.045	-0.834000
HETATM 8794	H1	WAT	1828	4.180	-14.989	23.288	0.417000
HETATM 8795	H2	WAT	1828	4.681	-15.774	22.095	0.417000
HETATM 8796	O	WAT	1829	-21.452	-15.435	-13.779	-0.834000
HETATM 8797	H1	WAT	1829	-21.825	-15.098	-14.593	0.417000
HETATM 8798	H2	WAT	1829	-22.142	-15.305	-13.128	0.417000
HETATM 8799	O	WAT	1830	15.527	-5.833	-30.331	-0.834000
HETATM 8800	H1	WAT	1830	15.600	-4.885	-30.440	0.417000
HETATM 8801	H2	WAT	1830	16.150	-6.044	-29.636	0.417000
HETATM 8802	O	WAT	1831	12.258	-12.271	20.985	-0.834000
HETATM 8803	H1	WAT	1831	12.399	-12.318	21.931	0.417000
HETATM 8804	H2	WAT	1831	13.139	-12.255	20.612	0.417000
HETATM 8805	O	WAT	1832	14.066	5.296	28.238	-0.834000
HETATM 8806	H1	WAT	1832	14.507	6.111	27.996	0.417000
HETATM 8807	H2	WAT	1832	13.540	5.071	27.471	0.417000
HETATM 8808	O	WAT	1833	-7.895	-30.454	-9.976	-0.834000
HETATM 8809	H1	WAT	1833	-8.171	-30.357	-9.064	0.417000
HETATM 8810	H2	WAT	1833	-8.565	-29.991	-10.479	0.417000
HETATM 8811	O	WAT	1834	-9.586	19.013	-27.252	-0.834000
HETATM 8812	H1	WAT	1834	-9.203	18.173	-26.999	0.417000
HETATM 8813	H2	WAT	1834	-10.028	19.323	-26.462	0.417000
HETATM 8814	O	WAT	1835	-12.510	-19.466	-10.937	-0.834000
HETATM 8815	H1	WAT	1835	-12.638	-20.223	-10.365	0.417000
HETATM 8816	H2	WAT	1835	-11.698	-19.066	-10.626	0.417000
HETATM 8817	O	WAT	1836	17.104	8.992	-20.883	-0.834000

HETATM 8818	H1	WAT	1836	17.292	8.635	-21.751	0.417000
HETATM 8819	H2	WAT	1836	16.668	8.277	-20.420	0.417000
HETATM 8820	O	WAT	1837	-23.008	-15.147	3.287	-0.834000
HETATM 8821	H1	WAT	1837	-22.865	-14.266	2.941	0.417000
HETATM 8822	H2	WAT	1837	-23.960	-15.251	3.289	0.417000
HETATM 8823	O	WAT	1838	26.884	-11.693	-18.719	-0.834000
HETATM 8824	H1	WAT	1838	27.714	-11.379	-19.077	0.417000
HETATM 8825	H2	WAT	1838	26.692	-12.486	-19.218	0.417000
HETATM 8826	O	WAT	1839	-17.808	19.576	1.909	-0.834000
HETATM 8827	H1	WAT	1839	-17.782	20.444	1.506	0.417000
HETATM 8828	H2	WAT	1839	-17.784	18.968	1.170	0.417000
HETATM 8829	O	WAT	1840	-10.451	11.295	-29.972	-0.834000
HETATM 8830	H1	WAT	1840	-9.791	11.983	-29.897	0.417000
HETATM 8831	H2	WAT	1840	-11.266	11.764	-30.152	0.417000
HETATM 8832	O	WAT	1841	-19.125	9.698	-19.279	-0.834000
HETATM 8833	H1	WAT	1841	-18.486	9.493	-18.596	0.417000
HETATM 8834	H2	WAT	1841	-18.630	10.200	-19.927	0.417000
HETATM 8835	O	WAT	1842	-2.430	-24.474	18.789	-0.834000
HETATM 8836	H1	WAT	1842	-2.682	-24.948	17.997	0.417000
HETATM 8837	H2	WAT	1842	-3.191	-24.547	19.365	0.417000
HETATM 8838	O	WAT	1843	-20.853	-10.221	-21.720	-0.834000
HETATM 8839	H1	WAT	1843	-21.647	-10.666	-22.015	0.417000
HETATM 8840	H2	WAT	1843	-20.924	-9.339	-22.084	0.417000
HETATM 8841	O	WAT	1844	-9.665	21.182	11.022	-0.834000
HETATM 8842	H1	WAT	1844	-9.918	20.353	10.615	0.417000
HETATM 8843	H2	WAT	1844	-9.620	20.985	11.957	0.417000
HETATM 8844	O	WAT	1845	13.969	-13.696	-17.635	-0.834000
HETATM 8845	H1	WAT	1845	13.819	-13.947	-16.723	0.417000
HETATM 8846	H2	WAT	1845	14.804	-13.228	-17.619	0.417000
HETATM 8847	O	WAT	1846	-7.561	17.424	-6.972	-0.834000
HETATM 8848	H1	WAT	1846	-8.316	16.940	-7.306	0.417000
HETATM 8849	H2	WAT	1846	-7.724	17.502	-6.032	0.417000
HETATM 8850	O	WAT	1847	18.732	10.426	-19.153	-0.834000
HETATM 8851	H1	WAT	1847	18.178	9.980	-19.794	0.417000
HETATM 8852	H2	WAT	1847	19.001	11.234	-19.590	0.417000
HETATM 8853	O	WAT	1848	19.089	8.022	-17.868	-0.834000
HETATM 8854	H1	WAT	1848	18.952	8.895	-18.236	0.417000
HETATM 8855	H2	WAT	1848	18.235	7.774	-17.514	0.417000
HETATM 8856	O	WAT	1849	-13.032	10.406	29.772	-0.834000
HETATM 8857	H1	WAT	1849	-13.300	10.312	30.686	0.417000
HETATM 8858	H2	WAT	1849	-12.661	9.554	29.543	0.417000
HETATM 8859	O	WAT	1850	-12.000	12.200	-15.778	-0.834000
HETATM 8860	H1	WAT	1850	-12.099	11.584	-16.504	0.417000
HETATM 8861	H2	WAT	1850	-11.249	12.740	-16.024	0.417000
HETATM 8862	O	WAT	1851	21.400	-3.573	23.395	-0.834000
HETATM 8863	H1	WAT	1851	21.210	-3.201	22.534	0.417000
HETATM 8864	H2	WAT	1851	21.087	-2.915	24.015	0.417000
HETATM 8865	O	WAT	1852	24.680	6.439	10.783	-0.834000
HETATM 8866	H1	WAT	1852	24.283	6.249	11.633	0.417000
HETATM 8867	H2	WAT	1852	25.592	6.650	10.986	0.417000
HETATM 8868	O	WAT	1853	16.726	14.543	-26.089	-0.834000
HETATM 8869	H1	WAT	1853	17.391	14.925	-25.516	0.417000
HETATM 8870	H2	WAT	1853	17.174	14.418	-26.926	0.417000
HETATM 8871	O	WAT	1854	-17.636	-21.354	19.143	-0.834000
HETATM 8872	H1	WAT	1854	-18.254	-22.065	18.975	0.417000
HETATM 8873	H2	WAT	1854	-18.189	-20.587	19.294	0.417000
HETATM 8874	O	WAT	1855	-9.282	17.245	27.659	-0.834000
HETATM 8875	H1	WAT	1855	-9.355	17.173	28.610	0.417000
HETATM 8876	H2	WAT	1855	-8.457	16.808	27.449	0.417000
HETATM 8877	O	WAT	1856	2.221	20.993	-8.653	-0.834000
HETATM 8878	H1	WAT	1856	3.029	20.945	-8.143	0.417000
HETATM 8879	H2	WAT	1856	1.538	20.706	-8.047	0.417000
HETATM 8880	O	WAT	1857	14.132	-26.389	4.770	-0.834000
HETATM 8881	H1	WAT	1857	13.653	-26.555	5.583	0.417000
HETATM 8882	H2	WAT	1857	14.111	-27.226	4.306	0.417000
HETATM 8883	O	WAT	1858	-7.687	-23.722	5.306	-0.834000
HETATM 8884	H1	WAT	1858	-8.300	-23.034	5.044	0.417000
HETATM 8885	H2	WAT	1858	-7.220	-23.945	4.500	0.417000
HETATM 8886	O	WAT	1859	8.322	9.830	28.016	-0.834000
HETATM 8887	H1	WAT	1859	8.911	10.373	27.492	0.417000

HETATM 8888	H2	WAT	1859	8.751	9.764	28.869	0.417000
HETATM 8889	O	WAT	1860	-24.142	-6.650	19.434	-0.834000
HETATM 8890	H1	WAT	1860	-24.655	-6.169	20.083	0.417000
HETATM 8891	H2	WAT	1860	-23.307	-6.822	19.869	0.417000
HETATM 8892	O	WAT	1861	-24.913	11.223	-15.345	-0.834000
HETATM 8893	H1	WAT	1861	-25.448	11.955	-15.653	0.417000
HETATM 8894	H2	WAT	1861	-24.075	11.333	-15.795	0.417000
HETATM 8895	O	WAT	1862	-15.408	8.344	-10.868	-0.834000
HETATM 8896	H1	WAT	1862	-14.821	9.065	-11.097	0.417000
HETATM 8897	H2	WAT	1862	-14.883	7.555	-11.006	0.417000
HETATM 8898	O	WAT	1863	-26.540	18.947	4.995	-0.834000
HETATM 8899	H1	WAT	1863	-27.375	18.940	5.463	0.417000
HETATM 8900	H2	WAT	1863	-25.883	19.067	5.680	0.417000
HETATM 8901	O	WAT	1864	-9.106	1.116	-29.486	-0.834000
HETATM 8902	H1	WAT	1864	-8.956	0.206	-29.230	0.417000
HETATM 8903	H2	WAT	1864	-8.958	1.618	-28.684	0.417000
HETATM 8904	O	WAT	1865	1.363	22.909	16.493	-0.834000
HETATM 8905	H1	WAT	1865	1.057	23.378	15.717	0.417000
HETATM 8906	H2	WAT	1865	0.626	22.946	17.102	0.417000
HETATM 8907	O	WAT	1866	-5.319	26.290	-2.421	-0.834000
HETATM 8908	H1	WAT	1866	-5.067	25.482	-1.972	0.417000
HETATM 8909	H2	WAT	1866	-5.463	26.024	-3.329	0.417000
HETATM 8910	O	WAT	1867	-10.036	-9.759	-26.988	-0.834000
HETATM 8911	H1	WAT	1867	-9.975	-8.847	-27.274	0.417000
HETATM 8912	H2	WAT	1867	-10.975	-9.940	-26.964	0.417000
HETATM 8913	O	WAT	1868	13.139	18.509	22.876	-0.834000
HETATM 8914	H1	WAT	1868	12.577	18.141	22.194	0.417000
HETATM 8915	H2	WAT	1868	13.900	18.846	22.403	0.417000
HETATM 8916	O	WAT	1869	-28.706	19.598	-2.977	-0.834000
HETATM 8917	H1	WAT	1869	-28.373	18.793	-2.581	0.417000
HETATM 8918	H2	WAT	1869	-29.017	20.119	-2.236	0.417000
HETATM 8919	O	WAT	1870	11.570	-19.330	6.559	-0.834000
HETATM 8920	H1	WAT	1870	11.683	-18.758	7.318	0.417000
HETATM 8921	H2	WAT	1870	11.827	-20.197	6.873	0.417000
HETATM 8922	O	WAT	1871	-19.269	-11.759	-13.501	-0.834000
HETATM 8923	H1	WAT	1871	-19.749	-11.282	-12.824	0.417000
HETATM 8924	H2	WAT	1871	-18.486	-11.231	-13.657	0.417000
HETATM 8925	O	WAT	1872	5.779	-32.401	7.737	-0.834000
HETATM 8926	H1	WAT	1872	6.281	-33.209	7.848	0.417000
HETATM 8927	H2	WAT	1872	4.872	-32.694	7.645	0.417000
HETATM 8928	O	WAT	1873	-19.734	-22.938	5.681	-0.834000
HETATM 8929	H1	WAT	1873	-19.238	-23.532	6.245	0.417000
HETATM 8930	H2	WAT	1873	-20.070	-22.268	6.276	0.417000
HETATM 8931	O	WAT	1874	-13.549	-26.881	-4.329	-0.834000
HETATM 8932	H1	WAT	1874	-13.579	-27.313	-3.476	0.417000
HETATM 8933	H2	WAT	1874	-14.260	-27.283	-4.827	0.417000
HETATM 8934	O	WAT	1875	-6.772	-29.872	6.816	-0.834000
HETATM 8935	H1	WAT	1875	-6.529	-29.136	6.253	0.417000
HETATM 8936	H2	WAT	1875	-6.582	-30.648	6.290	0.417000
HETATM 8937	O	WAT	1876	-10.369	-14.097	-24.912	-0.834000
HETATM 8938	H1	WAT	1876	-9.440	-13.976	-25.107	0.417000
HETATM 8939	H2	WAT	1876	-10.615	-13.313	-24.421	0.417000
HETATM 8940	O	WAT	1877	-23.285	-21.015	0.061	-0.834000
HETATM 8941	H1	WAT	1877	-24.090	-21.445	0.350	0.417000
HETATM 8942	H2	WAT	1877	-22.583	-21.543	0.439	0.417000
HETATM 8943	O	WAT	1878	-33.403	1.925	3.952	-0.834000
HETATM 8944	H1	WAT	1878	-33.622	2.612	4.582	0.417000
HETATM 8945	H2	WAT	1878	-34.084	1.263	4.073	0.417000
HETATM 8946	O	WAT	1879	-29.244	7.178	17.583	-0.834000
HETATM 8947	H1	WAT	1879	-30.052	7.686	17.526	0.417000
HETATM 8948	H2	WAT	1879	-28.668	7.704	18.138	0.417000
HETATM 8949	O	WAT	1880	6.965	-12.027	32.215	-0.834000
HETATM 8950	H1	WAT	1880	6.208	-11.443	32.250	0.417000
HETATM 8951	H2	WAT	1880	7.594	-11.571	31.656	0.417000
HETATM 8952	O	WAT	1881	5.326	-13.574	29.828	-0.834000
HETATM 8953	H1	WAT	1881	4.526	-13.901	29.417	0.417000
HETATM 8954	H2	WAT	1881	5.075	-13.399	30.735	0.417000
HETATM 8955	O	WAT	1882	-11.356	25.382	-9.733	-0.834000
HETATM 8956	H1	WAT	1882	-10.907	24.649	-10.154	0.417000
HETATM 8957	H2	WAT	1882	-11.835	24.984	-9.006	0.417000

HETATM 8958	O	WAT	1883	22.888	-25.705	-1.182	-0.834000
HETATM 8959	H1	WAT	1883	22.652	-26.632	-1.142	0.417000
HETATM 8960	H2	WAT	1883	22.082	-25.263	-1.448	0.417000
HETATM 8961	O	WAT	1884	17.395	-19.344	-21.602	-0.834000
HETATM 8962	H1	WAT	1884	17.579	-18.526	-21.139	0.417000
HETATM 8963	H2	WAT	1884	17.901	-20.005	-21.129	0.417000
HETATM 8964	O	WAT	1885	-29.456	8.923	-6.210	-0.834000
HETATM 8965	H1	WAT	1885	-29.704	8.864	-5.287	0.417000
HETATM 8966	H2	WAT	1885	-29.234	8.025	-6.456	0.417000
HETATM 8967	O	WAT	1886	-18.479	5.802	-6.050	-0.834000
HETATM 8968	H1	WAT	1886	-18.802	4.908	-5.938	0.417000
HETATM 8969	H2	WAT	1886	-18.951	6.133	-6.814	0.417000
HETATM 8970	O	WAT	1887	-4.029	-3.255	19.563	-0.834000
HETATM 8971	H1	WAT	1887	-4.736	-3.410	20.190	0.417000
HETATM 8972	H2	WAT	1887	-3.998	-2.303	19.468	0.417000
HETATM 8973	O	WAT	1888	-14.974	-23.204	1.083	-0.834000
HETATM 8974	H1	WAT	1888	-15.142	-22.558	0.396	0.417000
HETATM 8975	H2	WAT	1888	-15.601	-23.906	0.910	0.417000
HETATM 8976	O	WAT	1889	-12.305	8.247	-27.729	-0.834000
HETATM 8977	H1	WAT	1889	-12.507	7.590	-28.395	0.417000
HETATM 8978	H2	WAT	1889	-13.139	8.686	-27.564	0.417000
HETATM 8979	O	WAT	1890	24.275	15.180	-1.920	-0.834000
HETATM 8980	H1	WAT	1890	24.855	15.462	-1.212	0.417000
HETATM 8981	H2	WAT	1890	24.859	14.780	-2.563	0.417000
HETATM 8982	O	WAT	1891	6.472	17.760	2.830	-0.834000
HETATM 8983	H1	WAT	1891	6.270	17.921	3.752	0.417000
HETATM 8984	H2	WAT	1891	7.267	18.268	2.668	0.417000
HETATM 8985	O	WAT	1892	0.565	23.113	23.364	-0.834000
HETATM 8986	H1	WAT	1892	0.936	22.746	22.561	0.417000
HETATM 8987	H2	WAT	1892	-0.366	22.898	23.317	0.417000
HETATM 8988	O	WAT	1893	5.560	22.765	-2.835	-0.834000
HETATM 8989	H1	WAT	1893	5.617	22.224	-2.048	0.417000
HETATM 8990	H2	WAT	1893	5.653	22.146	-3.559	0.417000
HETATM 8991	O	WAT	1894	-19.282	-11.878	-5.393	-0.834000
HETATM 8992	H1	WAT	1894	-19.046	-11.074	-4.932	0.417000
HETATM 8993	H2	WAT	1894	-20.068	-12.190	-4.946	0.417000
HETATM 8994	O	WAT	1895	4.435	-14.670	-28.176	-0.834000
HETATM 8995	H1	WAT	1895	4.452	-13.727	-28.338	0.417000
HETATM 8996	H2	WAT	1895	4.735	-14.764	-27.273	0.417000
HETATM 8997	O	WAT	1896	18.946	-14.392	2.568	-0.834000
HETATM 8998	H1	WAT	1896	18.187	-14.976	2.575	0.417000
HETATM 8999	H2	WAT	1896	18.571	-13.512	2.523	0.417000
HETATM 9000	O	WAT	1897	16.442	11.773	-2.839	-0.834000
HETATM 9001	H1	WAT	1897	16.672	12.024	-3.733	0.417000
HETATM 9002	H2	WAT	1897	16.945	10.974	-2.677	0.417000
HETATM 9003	O	WAT	1898	12.940	-18.416	25.569	-0.834000
HETATM 9004	H1	WAT	1898	12.253	-18.161	26.185	0.417000
HETATM 9005	H2	WAT	1898	13.682	-17.853	25.790	0.417000
HETATM 9006	O	WAT	1899	-5.102	-16.043	-13.699	-0.834000
HETATM 9007	H1	WAT	1899	-5.638	-15.349	-13.313	0.417000
HETATM 9008	H2	WAT	1899	-5.702	-16.517	-14.275	0.417000
HETATM 9009	O	WAT	1900	-15.818	-22.250	5.156	-0.834000
HETATM 9010	H1	WAT	1900	-15.705	-22.905	5.845	0.417000
HETATM 9011	H2	WAT	1900	-15.101	-21.631	5.295	0.417000
HETATM 9012	O	WAT	1901	13.167	-20.989	-15.382	-0.834000
HETATM 9013	H1	WAT	1901	13.397	-21.307	-16.255	0.417000
HETATM 9014	H2	WAT	1901	12.915	-20.076	-15.519	0.417000
HETATM 9015	O	WAT	1902	9.280	-24.983	14.262	-0.834000
HETATM 9016	H1	WAT	1902	9.588	-24.919	13.358	0.417000
HETATM 9017	H2	WAT	1902	10.077	-25.102	14.778	0.417000
HETATM 9018	O	WAT	1903	9.350	25.829	-17.512	-0.834000
HETATM 9019	H1	WAT	1903	10.224	26.056	-17.830	0.417000
HETATM 9020	H2	WAT	1903	8.776	26.491	-17.897	0.417000
HETATM 9021	O	WAT	1904	-20.735	2.306	-9.101	-0.834000
HETATM 9022	H1	WAT	1904	-21.305	2.714	-8.449	0.417000
HETATM 9023	H2	WAT	1904	-19.940	2.080	-8.617	0.417000
HETATM 9024	O	WAT	1905	9.185	-7.177	-28.276	-0.834000
HETATM 9025	H1	WAT	1905	9.778	-7.434	-28.982	0.417000
HETATM 9026	H2	WAT	1905	8.503	-6.666	-28.710	0.417000
HETATM 9027	O	WAT	1906	13.357	15.820	-14.162	-0.834000

HETATM 9028	H1	WAT	1906	13.378	15.581	-15.088	0.417000
HETATM 9029	H2	WAT	1906	14.072	15.319	-13.769	0.417000
HETATM 9030	O	WAT	1907	-12.593	-18.142	12.120	-0.834000
HETATM 9031	H1	WAT	1907	-12.213	-18.196	12.997	0.417000
HETATM 9032	H2	WAT	1907	-12.000	-18.653	11.570	0.417000
HETATM 9033	O	WAT	1908	18.422	-12.565	-25.389	-0.834000
HETATM 9034	H1	WAT	1908	17.492	-12.399	-25.540	0.417000
HETATM 9035	H2	WAT	1908	18.861	-11.779	-25.715	0.417000
HETATM 9036	O	WAT	1909	12.507	10.938	-8.545	-0.834000
HETATM 9037	H1	WAT	1909	11.627	10.992	-8.171	0.417000
HETATM 9038	H2	WAT	1909	12.987	10.369	-7.943	0.417000
HETATM 9039	O	WAT	1910	-17.945	8.069	-11.849	-0.834000
HETATM 9040	H1	WAT	1910	-18.013	7.114	-11.856	0.417000
HETATM 9041	H2	WAT	1910	-17.071	8.244	-11.501	0.417000
HETATM 9042	O	WAT	1911	-6.721	-18.439	-11.458	-0.834000
HETATM 9043	H1	WAT	1911	-7.393	-17.861	-11.819	0.417000
HETATM 9044	H2	WAT	1911	-6.806	-19.249	-11.962	0.417000
HETATM 9045	O	WAT	1912	16.805	-8.473	5.806	-0.834000
HETATM 9046	H1	WAT	1912	16.287	-7.874	6.345	0.417000
HETATM 9047	H2	WAT	1912	16.965	-9.227	6.374	0.417000
HETATM 9048	O	WAT	1913	-7.120	21.686	1.739	-0.834000
HETATM 9049	H1	WAT	1913	-6.300	21.246	1.518	0.417000
HETATM 9050	H2	WAT	1913	-7.347	21.348	2.606	0.417000
HETATM 9051	O	WAT	1914	28.779	14.168	-12.163	-0.834000
HETATM 9052	H1	WAT	1914	28.054	14.454	-12.718	0.417000
HETATM 9053	H2	WAT	1914	28.749	13.212	-12.203	0.417000
HETATM 9054	O	WAT	1915	8.499	-7.894	15.367	-0.834000
HETATM 9055	H1	WAT	1915	9.399	-7.925	15.694	0.417000
HETATM 9056	H2	WAT	1915	8.418	-8.674	14.817	0.417000
HETATM 9057	O	WAT	1916	-16.591	-17.503	-11.823	-0.834000
HETATM 9058	H1	WAT	1916	-16.898	-18.099	-12.507	0.417000
HETATM 9059	H2	WAT	1916	-16.374	-16.696	-12.289	0.417000
HETATM 9060	O	WAT	1917	-3.970	4.982	34.708	-0.834000
HETATM 9061	H1	WAT	1917	-4.763	4.887	35.236	0.417000
HETATM 9062	H2	WAT	1917	-3.919	4.171	34.203	0.417000
HETATM 9063	O	WAT	1918	32.537	4.787	0.030	-0.834000
HETATM 9064	H1	WAT	1918	32.282	3.884	-0.159	0.417000
HETATM 9065	H2	WAT	1918	33.431	4.858	-0.304	0.417000
HETATM 9066	O	WAT	1919	-19.646	-18.057	16.880	-0.834000
HETATM 9067	H1	WAT	1919	-19.554	-17.105	16.927	0.417000
HETATM 9068	H2	WAT	1919	-20.336	-18.199	16.232	0.417000
HETATM 9069	O	WAT	1920	17.664	18.948	3.575	-0.834000
HETATM 9070	H1	WAT	1920	18.347	18.872	2.908	0.417000
HETATM 9071	H2	WAT	1920	17.759	18.158	4.106	0.417000
HETATM 9072	O	WAT	1921	-7.646	-15.808	-20.240	-0.834000
HETATM 9073	H1	WAT	1921	-7.365	-16.267	-21.032	0.417000
HETATM 9074	H2	WAT	1921	-8.507	-15.453	-20.462	0.417000
HETATM 9075	O	WAT	1922	-17.574	17.991	-0.436	-0.834000
HETATM 9076	H1	WAT	1922	-18.468	17.747	-0.676	0.417000
HETATM 9077	H2	WAT	1922	-17.414	18.808	-0.909	0.417000
HETATM 9078	O	WAT	1923	-18.970	4.253	28.011	-0.834000
HETATM 9079	H1	WAT	1923	-19.192	4.421	27.095	0.417000
HETATM 9080	H2	WAT	1923	-18.065	3.943	27.985	0.417000
HETATM 9081	O	WAT	1924	22.593	4.835	18.183	-0.834000
HETATM 9082	H1	WAT	1924	23.292	4.819	18.838	0.417000
HETATM 9083	H2	WAT	1924	21.918	5.394	18.567	0.417000
HETATM 9084	O	WAT	1925	-10.456	10.998	-13.789	-0.834000
HETATM 9085	H1	WAT	1925	-10.427	10.070	-14.021	0.417000
HETATM 9086	H2	WAT	1925	-11.036	11.390	-14.441	0.417000
HETATM 9087	O	WAT	1926	-6.193	-26.539	20.968	-0.834000
HETATM 9088	H1	WAT	1926	-6.780	-26.781	20.252	0.417000
HETATM 9089	H2	WAT	1926	-5.421	-27.091	20.842	0.417000
HETATM 9090	O	WAT	1927	19.731	-8.977	10.237	-0.834000
HETATM 9091	H1	WAT	1927	19.208	-8.919	11.037	0.417000
HETATM 9092	H2	WAT	1927	19.865	-8.067	9.972	0.417000
HETATM 9093	O	WAT	1928	-8.488	23.681	4.929	-0.834000
HETATM 9094	H1	WAT	1928	-8.299	22.858	4.479	0.417000
HETATM 9095	H2	WAT	1928	-8.795	24.267	4.237	0.417000
HETATM 9096	O	WAT	1929	12.871	-26.068	13.644	-0.834000
HETATM 9097	H1	WAT	1929	13.757	-25.710	13.595	0.417000

HETATM 9098	H2	WAT	1929	12.445	-25.560	14.335	0.417000
HETATM 9099	O	WAT	1930	0.894	-26.223	11.126	-0.834000
HETATM 9100	H1	WAT	1930	1.320	-26.927	11.615	0.417000
HETATM 9101	H2	WAT	1930	0.228	-26.665	10.600	0.417000
HETATM 9102	O	WAT	1931	-31.829	10.746	5.765	-0.834000
HETATM 9103	H1	WAT	1931	-32.622	10.324	5.435	0.417000
HETATM 9104	H2	WAT	1931	-31.275	10.021	6.055	0.417000
HETATM 9105	O	WAT	1932	14.909	19.039	17.514	-0.834000
HETATM 9106	H1	WAT	1932	14.274	19.495	16.962	0.417000
HETATM 9107	H2	WAT	1932	14.415	18.314	17.898	0.417000
HETATM 9108	O	WAT	1933	-16.286	-27.841	0.447	-0.834000
HETATM 9109	H1	WAT	1933	-16.125	-28.190	-0.430	0.417000
HETATM 9110	H2	WAT	1933	-16.795	-28.523	0.885	0.417000
HETATM 9111	O	WAT	1934	-6.994	-8.967	-23.454	-0.834000
HETATM 9112	H1	WAT	1934	-6.922	-9.657	-22.794	0.417000
HETATM 9113	H2	WAT	1934	-6.254	-8.387	-23.275	0.417000
HETATM 9114	O	WAT	1935	17.038	-18.514	-14.020	-0.834000
HETATM 9115	H1	WAT	1935	16.371	-19.116	-13.691	0.417000
HETATM 9116	H2	WAT	1935	17.113	-18.724	-14.951	0.417000
HETATM 9117	O	WAT	1936	-1.180	8.588	-16.155	-0.834000
HETATM 9118	H1	WAT	1936	-1.268	9.263	-16.828	0.417000
HETATM 9119	H2	WAT	1936	-1.523	7.794	-16.567	0.417000
HETATM 9120	O	WAT	1937	-25.290	-21.660	-11.479	-0.834000
HETATM 9121	H1	WAT	1937	-24.704	-21.851	-10.747	0.417000
HETATM 9122	H2	WAT	1937	-25.128	-20.739	-11.681	0.417000
HETATM 9123	O	WAT	1938	-20.982	-7.651	-22.683	-0.834000
HETATM 9124	H1	WAT	1938	-20.838	-7.125	-21.896	0.417000
HETATM 9125	H2	WAT	1938	-20.301	-7.364	-23.291	0.417000
HETATM 9126	O	WAT	1939	9.466	13.745	10.744	-0.834000
HETATM 9127	H1	WAT	1939	9.941	13.826	9.917	0.417000
HETATM 9128	H2	WAT	1939	9.504	12.811	10.951	0.417000
HETATM 9129	O	WAT	1940	3.679	11.930	-14.712	-0.834000
HETATM 9130	H1	WAT	1940	4.439	12.300	-15.160	0.417000
HETATM 9131	H2	WAT	1940	3.008	11.864	-15.392	0.417000
HETATM 9132	O	WAT	1941	-7.950	14.109	-2.657	-0.834000
HETATM 9133	H1	WAT	1941	-7.762	14.185	-3.592	0.417000
HETATM 9134	H2	WAT	1941	-8.856	13.802	-2.619	0.417000
HETATM 9135	O	WAT	1942	-28.569	-9.206	-12.149	-0.834000
HETATM 9136	H1	WAT	1942	-29.104	-8.431	-12.322	0.417000
HETATM 9137	H2	WAT	1942	-28.628	-9.332	-11.202	0.417000
HETATM 9138	O	WAT	1943	8.731	30.733	-10.497	-0.834000
HETATM 9139	H1	WAT	1943	8.342	30.239	-9.776	0.417000
HETATM 9140	H2	WAT	1943	8.788	30.103	-11.215	0.417000
HETATM 9141	O	WAT	1944	23.536	-7.746	-3.888	-0.834000
HETATM 9142	H1	WAT	1944	24.420	-7.866	-4.235	0.417000
HETATM 9143	H2	WAT	1944	23.126	-7.124	-4.487	0.417000
HETATM 9144	O	WAT	1945	9.858	17.449	-4.741	-0.834000
HETATM 9145	H1	WAT	1945	9.683	16.610	-4.315	0.417000
HETATM 9146	H2	WAT	1945	10.804	17.569	-4.657	0.417000
HETATM 9147	O	WAT	1946	4.918	23.287	-12.677	-0.834000
HETATM 9148	H1	WAT	1946	5.861	23.443	-12.646	0.417000
HETATM 9149	H2	WAT	1946	4.818	22.371	-12.417	0.417000
HETATM 9150	O	WAT	1947	16.849	-24.072	-1.786	-0.834000
HETATM 9151	H1	WAT	1947	16.244	-23.641	-1.183	0.417000
HETATM 9152	H2	WAT	1947	16.378	-24.851	-2.083	0.417000
HETATM 9153	O	WAT	1948	9.421	-4.871	21.660	-0.834000
HETATM 9154	H1	WAT	1948	9.552	-3.925	21.717	0.417000
HETATM 9155	H2	WAT	1948	9.584	-5.080	20.740	0.417000
HETATM 9156	O	WAT	1949	0.371	-5.606	22.462	-0.834000
HETATM 9157	H1	WAT	1949	1.203	-5.248	22.151	0.417000
HETATM 9158	H2	WAT	1949	-0.212	-4.848	22.510	0.417000
HETATM 9159	O	WAT	1950	2.313	19.298	11.803	-0.834000
HETATM 9160	H1	WAT	1950	2.865	20.080	11.794	0.417000
HETATM 9161	H2	WAT	1950	1.871	19.308	10.954	0.417000
HETATM 9162	O	WAT	1951	-23.668	-21.763	4.863	-0.834000
HETATM 9163	H1	WAT	1951	-24.591	-21.515	4.805	0.417000
HETATM 9164	H2	WAT	1951	-23.192	-20.939	4.758	0.417000
HETATM 9165	O	WAT	1952	-24.502	-7.819	22.328	-0.834000
HETATM 9166	H1	WAT	1952	-24.886	-6.969	22.114	0.417000
HETATM 9167	H2	WAT	1952	-23.610	-7.772	21.983	0.417000

HETATM 9168	O	WAT	1953	-7.882	-20.293	-21.996	-0.834000
HETATM 9169	H1	WAT	1953	-8.152	-21.171	-22.266	0.417000
HETATM 9170	H2	WAT	1953	-7.089	-20.120	-22.503	0.417000
HETATM 9171	O	WAT	1954	-8.785	-2.350	-33.801	-0.834000
HETATM 9172	H1	WAT	1954	-8.167	-3.080	-33.839	0.417000
HETATM 9173	H2	WAT	1954	-8.249	-1.574	-33.966	0.417000
HETATM 9174	O	WAT	1955	26.172	-19.248	-7.726	-0.834000
HETATM 9175	H1	WAT	1955	26.050	-19.021	-8.648	0.417000
HETATM 9176	H2	WAT	1955	26.529	-20.136	-7.743	0.417000
HETATM 9177	O	WAT	1956	-6.591	-24.490	2.939	-0.834000
HETATM 9178	H1	WAT	1956	-5.888	-23.896	2.678	0.417000
HETATM 9179	H2	WAT	1956	-6.240	-25.365	2.771	0.417000
HETATM 9180	O	WAT	1957	32.435	-8.630	-6.883	-0.834000
HETATM 9181	H1	WAT	1957	31.651	-8.424	-6.375	0.417000
HETATM 9182	H2	WAT	1957	33.135	-8.140	-6.452	0.417000
HETATM 9183	O	WAT	1958	22.235	16.225	-3.466	-0.834000
HETATM 9184	H1	WAT	1958	22.893	16.072	-2.789	0.417000
HETATM 9185	H2	WAT	1958	22.515	15.678	-4.200	0.417000
HETATM 9186	O	WAT	1959	-3.916	-10.998	-31.101	-0.834000
HETATM 9187	H1	WAT	1959	-3.816	-10.054	-31.225	0.417000
HETATM 9188	H2	WAT	1959	-4.248	-11.316	-31.940	0.417000
HETATM 9189	O	WAT	1960	-20.030	2.305	-1.807	-0.834000
HETATM 9190	H1	WAT	1960	-19.769	1.587	-2.383	0.417000
HETATM 9191	H2	WAT	1960	-20.129	1.899	-0.946	0.417000
HETATM 9192	O	WAT	1961	0.703	9.152	25.129	-0.834000
HETATM 9193	H1	WAT	1961	1.520	9.475	24.749	0.417000
HETATM 9194	H2	WAT	1961	0.223	9.944	25.372	0.417000
HETATM 9195	O	WAT	1962	-30.205	-6.879	-3.641	-0.834000
HETATM 9196	H1	WAT	1962	-30.104	-7.192	-4.540	0.417000
HETATM 9197	H2	WAT	1962	-30.304	-7.676	-3.120	0.417000
HETATM 9198	O	WAT	1963	-6.578	-13.601	20.002	-0.834000
HETATM 9199	H1	WAT	1963	-6.511	-14.434	19.536	0.417000
HETATM 9200	H2	WAT	1963	-5.798	-13.114	19.736	0.417000
HETATM 9201	O	WAT	1964	29.395	-9.631	7.635	-0.834000
HETATM 9202	H1	WAT	1964	29.347	-8.996	8.350	0.417000
HETATM 9203	H2	WAT	1964	28.492	-9.715	7.328	0.417000
HETATM 9204	O	WAT	1965	-22.450	-21.954	-15.050	-0.834000
HETATM 9205	H1	WAT	1965	-23.102	-22.648	-15.145	0.417000
HETATM 9206	H2	WAT	1965	-22.949	-21.196	-14.746	0.417000
HETATM 9207	O	WAT	1966	-9.460	8.409	-20.493	-0.834000
HETATM 9208	H1	WAT	1966	-9.532	9.182	-19.932	0.417000
HETATM 9209	H2	WAT	1966	-10.204	7.862	-20.243	0.417000
HETATM 9210	O	WAT	1967	9.656	23.176	25.193	-0.834000
HETATM 9211	H1	WAT	1967	8.739	23.160	24.918	0.417000
HETATM 9212	H2	WAT	1967	10.125	22.732	24.486	0.417000
HETATM 9213	O	WAT	1968	17.860	-2.930	-29.172	-0.834000
HETATM 9214	H1	WAT	1968	17.000	-2.946	-29.592	0.417000
HETATM 9215	H2	WAT	1968	17.670	-2.783	-28.245	0.417000
HETATM 9216	O	WAT	1969	1.423	4.797	27.351	-0.834000
HETATM 9217	H1	WAT	1969	0.489	4.991	27.428	0.417000
HETATM 9218	H2	WAT	1969	1.828	5.644	27.162	0.417000
HETATM 9219	O	WAT	1970	8.083	19.495	-25.475	-0.834000
HETATM 9220	H1	WAT	1970	7.819	20.304	-25.037	0.417000
HETATM 9221	H2	WAT	1970	8.041	19.703	-26.408	0.417000
HETATM 9222	O	WAT	1971	33.019	-4.804	-6.317	-0.834000
HETATM 9223	H1	WAT	1971	32.775	-4.922	-7.235	0.417000
HETATM 9224	H2	WAT	1971	33.428	-5.634	-6.070	0.417000
HETATM 9225	O	WAT	1972	13.317	-21.446	7.726	-0.834000
HETATM 9226	H1	WAT	1972	14.050	-20.853	7.557	0.417000
HETATM 9227	H2	WAT	1972	12.976	-21.170	8.576	0.417000
HETATM 9228	O	WAT	1973	-16.442	-2.943	28.691	-0.834000
HETATM 9229	H1	WAT	1973	-17.300	-2.666	29.011	0.417000
HETATM 9230	H2	WAT	1973	-16.304	-3.802	29.091	0.417000
HETATM 9231	O	WAT	1974	-22.511	21.738	9.748	-0.834000
HETATM 9232	H1	WAT	1974	-22.367	21.811	8.805	0.417000
HETATM 9233	H2	WAT	1974	-21.808	21.165	10.054	0.417000
HETATM 9234	O	WAT	1975	2.893	-29.728	4.364	-0.834000
HETATM 9235	H1	WAT	1975	2.417	-29.090	3.833	0.417000
HETATM 9236	H2	WAT	1975	2.789	-29.418	5.263	0.417000
HETATM 9237	O	WAT	1976	-12.314	-4.889	-24.200	-0.834000

HETATM 9238	H1	WAT	1976	-12.794	-5.316	-24.911	0.417000
HETATM 9239	H2	WAT	1976	-12.571	-3.969	-24.257	0.417000
HETATM 9240	O	WAT	1977	-7.928	-20.094	18.013	-0.834000
HETATM 9241	H1	WAT	1977	-7.790	-19.384	18.640	0.417000
HETATM 9242	H2	WAT	1977	-8.081	-20.867	18.557	0.417000
HETATM 9243	O	WAT	1978	11.275	26.436	4.602	-0.834000
HETATM 9244	H1	WAT	1978	10.945	27.219	5.044	0.417000
HETATM 9245	H2	WAT	1978	11.262	26.662	3.672	0.417000
HETATM 9246	O	WAT	1979	12.013	-26.466	-19.890	-0.834000
HETATM 9247	H1	WAT	1979	11.401	-25.767	-19.658	0.417000
HETATM 9248	H2	WAT	1979	11.660	-26.833	-20.701	0.417000
HETATM 9249	O	WAT	1980	-7.149	-1.575	-21.192	-0.834000
HETATM 9250	H1	WAT	1980	-7.517	-2.187	-21.829	0.417000
HETATM 9251	H2	WAT	1980	-6.759	-2.135	-20.520	0.417000
HETATM 9252	O	WAT	1981	14.529	4.576	-29.895	-0.834000
HETATM 9253	H1	WAT	1981	14.294	4.285	-29.014	0.417000
HETATM 9254	H2	WAT	1981	14.052	5.398	-30.011	0.417000
HETATM 9255	O	WAT	1982	-0.410	31.896	6.847	-0.834000
HETATM 9256	H1	WAT	1982	-0.156	30.975	6.902	0.417000
HETATM 9257	H2	WAT	1982	0.302	32.312	6.360	0.417000
HETATM 9258	O	WAT	1983	-22.827	-9.739	-10.145	-0.834000
HETATM 9259	H1	WAT	1983	-23.493	-9.081	-10.343	0.417000
HETATM 9260	H2	WAT	1983	-22.603	-9.585	-9.227	0.417000
HETATM 9261	O	WAT	1984	-9.169	-10.699	-18.669	-0.834000
HETATM 9262	H1	WAT	1984	-9.857	-10.034	-18.695	0.417000
HETATM 9263	H2	WAT	1984	-8.372	-10.212	-18.463	0.417000
HETATM 9264	O	WAT	1985	-20.224	19.567	-12.249	-0.834000
HETATM 9265	H1	WAT	1985	-19.555	19.045	-11.805	0.417000
HETATM 9266	H2	WAT	1985	-19.924	20.471	-12.155	0.417000
HETATM 9267	O	WAT	1986	-3.976	3.012	-27.508	-0.834000
HETATM 9268	H1	WAT	1986	-4.093	2.076	-27.668	0.417000
HETATM 9269	H2	WAT	1986	-3.333	3.055	-26.801	0.417000
HETATM 9270	O	WAT	1987	-12.704	-21.784	10.849	-0.834000
HETATM 9271	H1	WAT	1987	-12.916	-21.592	11.763	0.417000
HETATM 9272	H2	WAT	1987	-12.019	-21.154	10.625	0.417000
HETATM 9273	O	WAT	1988	7.506	2.890	17.210	-0.834000
HETATM 9274	H1	WAT	1988	8.410	2.579	17.166	0.417000
HETATM 9275	H2	WAT	1988	7.547	3.671	17.762	0.417000
HETATM 9276	O	WAT	1989	-12.561	21.673	-1.862	-0.834000
HETATM 9277	H1	WAT	1989	-12.373	22.266	-2.589	0.417000
HETATM 9278	H2	WAT	1989	-12.334	22.175	-1.079	0.417000
HETATM 9279	O	WAT	1990	-13.405	0.734	-29.773	-0.834000
HETATM 9280	H1	WAT	1990	-13.317	0.924	-28.839	0.417000
HETATM 9281	H2	WAT	1990	-13.943	-0.057	-29.807	0.417000
HETATM 9282	O	WAT	1991	-3.029	20.763	4.160	-0.834000
HETATM 9283	H1	WAT	1991	-2.839	21.654	3.866	0.417000
HETATM 9284	H2	WAT	1991	-3.189	20.274	3.353	0.417000
HETATM 9285	O	WAT	1992	15.323	-20.770	-22.744	-0.834000
HETATM 9286	H1	WAT	1992	15.970	-20.248	-22.270	0.417000
HETATM 9287	H2	WAT	1992	14.489	-20.556	-22.325	0.417000
HETATM 9288	O	WAT	1993	16.258	10.098	-13.729	-0.834000
HETATM 9289	H1	WAT	1993	16.209	10.743	-14.435	0.417000
HETATM 9290	H2	WAT	1993	17.135	10.210	-13.363	0.417000
HETATM 9291	O	WAT	1994	-16.113	-1.380	19.405	-0.834000
HETATM 9292	H1	WAT	1994	-16.982	-1.771	19.314	0.417000
HETATM 9293	H2	WAT	1994	-16.132	-0.948	20.259	0.417000
HETATM 9294	O	WAT	1995	-21.403	20.458	-3.062	-0.834000
HETATM 9295	H1	WAT	1995	-22.229	20.048	-2.802	0.417000
HETATM 9296	H2	WAT	1995	-21.163	21.007	-2.315	0.417000
HETATM 9297	O	WAT	1996	-1.021	29.443	-16.607	-0.834000
HETATM 9298	H1	WAT	1996	-1.068	29.781	-17.502	0.417000
HETATM 9299	H2	WAT	1996	-0.313	28.800	-16.631	0.417000
HETATM 9300	O	WAT	1997	-28.216	6.358	15.170	-0.834000
HETATM 9301	H1	WAT	1997	-28.960	6.521	14.589	0.417000
HETATM 9302	H2	WAT	1997	-28.521	6.635	16.034	0.417000
HETATM 9303	O	WAT	1998	-14.416	-31.202	2.629	-0.834000
HETATM 9304	H1	WAT	1998	-13.643	-31.063	2.082	0.417000
HETATM 9305	H2	WAT	1998	-15.077	-31.543	2.028	0.417000
HETATM 9306	O	WAT	1999	-2.189	-23.648	-1.307	-0.834000
HETATM 9307	H1	WAT	1999	-1.845	-23.189	-2.074	0.417000

HETATM 9308	H2	WAT	1999	-2.557	-22.956	-0.759	0.417000
HETATM 9309	O	WAT	2000	11.323	8.227	-17.644	-0.834000
HETATM 9310	H1	WAT	2000	10.821	8.843	-17.109	0.417000
HETATM 9311	H2	WAT	2000	11.816	7.707	-17.009	0.417000
HETATM 9312	O	WAT	2001	-27.397	16.969	10.778	-0.834000
HETATM 9313	H1	WAT	2001	-28.087	17.023	10.117	0.417000
HETATM 9314	H2	WAT	2001	-27.653	17.608	11.444	0.417000
HETATM 9315	O	WAT	2002	-20.058	-1.355	23.422	-0.834000
HETATM 9316	H1	WAT	2002	-20.279	-0.695	24.079	0.417000
HETATM 9317	H2	WAT	2002	-19.102	-1.403	23.443	0.417000
HETATM 9318	O	WAT	2003	-25.439	17.485	-14.370	-0.834000
HETATM 9319	H1	WAT	2003	-25.497	17.575	-15.321	0.417000
HETATM 9320	H2	WAT	2003	-24.897	18.223	-14.092	0.417000
HETATM 9321	O	WAT	2004	-9.677	10.650	-11.163	-0.834000
HETATM 9322	H1	WAT	2004	-9.905	10.874	-12.065	0.417000
HETATM 9323	H2	WAT	2004	-8.746	10.859	-11.093	0.417000
HETATM 9324	O	WAT	2005	-6.211	15.948	-29.707	-0.834000
HETATM 9325	H1	WAT	2005	-7.107	15.970	-30.045	0.417000
HETATM 9326	H2	WAT	2005	-6.298	16.182	-28.783	0.417000
HETATM 9327	O	WAT	2006	20.673	-6.051	18.779	-0.834000
HETATM 9328	H1	WAT	2006	20.393	-6.529	19.559	0.417000
HETATM 9329	H2	WAT	2006	21.558	-5.751	18.987	0.417000
HETATM 9330	O	WAT	2007	-3.123	23.034	8.653	-0.834000
HETATM 9331	H1	WAT	2007	-3.029	22.084	8.578	0.417000
HETATM 9332	H2	WAT	2007	-4.022	23.162	8.955	0.417000
HETATM 9333	O	WAT	2008	-3.910	20.805	23.985	-0.834000
HETATM 9334	H1	WAT	2008	-4.091	21.378	24.729	0.417000
HETATM 9335	H2	WAT	2008	-4.656	20.205	23.957	0.417000
HETATM 9336	O	WAT	2009	-27.493	-19.083	8.622	-0.834000
HETATM 9337	H1	WAT	2009	-27.385	-19.955	8.241	0.417000
HETATM 9338	H2	WAT	2009	-28.440	-18.972	8.702	0.417000
HETATM 9339	O	WAT	2010	4.757	-15.833	20.255	-0.834000
HETATM 9340	H1	WAT	2010	4.263	-16.328	19.602	0.417000
HETATM 9341	H2	WAT	2010	5.631	-16.223	20.241	0.417000
HETATM 9342	O	WAT	2011	26.192	-23.102	0.633	-0.834000
HETATM 9343	H1	WAT	2011	26.224	-22.574	1.431	0.417000
HETATM 9344	H2	WAT	2011	26.481	-22.507	-0.060	0.417000
HETATM 9345	O	WAT	2012	2.134	19.213	-15.109	-0.834000
HETATM 9346	H1	WAT	2012	2.725	19.928	-15.344	0.417000
HETATM 9347	H2	WAT	2012	1.650	19.541	-14.352	0.417000
HETATM 9348	O	WAT	2013	-12.970	23.945	19.646	-0.834000
HETATM 9349	H1	WAT	2013	-13.308	23.050	19.631	0.417000
HETATM 9350	H2	WAT	2013	-12.224	23.909	20.245	0.417000
HETATM 9351	O	WAT	2014	-16.630	7.395	-28.388	-0.834000
HETATM 9352	H1	WAT	2014	-17.570	7.466	-28.556	0.417000
HETATM 9353	H2	WAT	2014	-16.258	7.117	-29.224	0.417000
HETATM 9354	O	WAT	2015	10.217	18.436	-12.960	-0.834000
HETATM 9355	H1	WAT	2015	10.314	17.536	-13.269	0.417000
HETATM 9356	H2	WAT	2015	9.352	18.458	-12.552	0.417000
HETATM 9357	O	WAT	2016	13.185	24.433	18.257	-0.834000
HETATM 9358	H1	WAT	2016	14.068	24.463	18.624	0.417000
HETATM 9359	H2	WAT	2016	13.185	25.108	17.577	0.417000
HETATM 9360	O	WAT	2017	-27.304	-9.981	15.443	-0.834000
HETATM 9361	H1	WAT	2017	-27.870	-9.534	16.072	0.417000
HETATM 9362	H2	WAT	2017	-26.527	-10.221	15.947	0.417000
HETATM 9363	O	WAT	2018	-15.078	-11.345	-18.382	-0.834000
HETATM 9364	H1	WAT	2018	-14.626	-11.988	-17.836	0.417000
HETATM 9365	H2	WAT	2018	-15.456	-11.859	-19.095	0.417000
HETATM 9366	O	WAT	2019	6.390	4.556	-28.496	-0.834000
HETATM 9367	H1	WAT	2019	6.052	3.915	-29.122	0.417000
HETATM 9368	H2	WAT	2019	5.628	4.805	-27.973	0.417000
HETATM 9369	O	WAT	2020	-6.807	14.768	-21.260	-0.834000
HETATM 9370	H1	WAT	2020	-7.252	14.945	-20.431	0.417000
HETATM 9371	H2	WAT	2020	-7.506	14.779	-21.914	0.417000
HETATM 9372	O	WAT	2021	10.819	13.172	8.329	-0.834000
HETATM 9373	H1	WAT	2021	11.153	13.418	7.467	0.417000
HETATM 9374	H2	WAT	2021	10.124	12.540	8.146	0.417000
HETATM 9375	O	WAT	2022	-3.940	-25.773	-0.922	-0.834000
HETATM 9376	H1	WAT	2022	-3.457	-24.960	-1.067	0.417000
HETATM 9377	H2	WAT	2022	-4.853	-25.542	-1.092	0.417000

HETATM 9378	O	WAT	2023	-27.726	-11.935	-5.501	-0.834000
HETATM 9379	H1	WAT	2023	-28.616	-12.272	-5.396	0.417000
HETATM 9380	H2	WAT	2023	-27.187	-12.509	-4.957	0.417000
HETATM 9381	O	WAT	2024	-27.546	11.142	12.371	-0.834000
HETATM 9382	H1	WAT	2024	-28.113	10.383	12.510	0.417000
HETATM 9383	H2	WAT	2024	-27.192	11.018	11.490	0.417000
HETATM 9384	O	WAT	2025	17.588	-30.251	5.151	-0.834000
HETATM 9385	H1	WAT	2025	17.135	-30.060	4.329	0.417000
HETATM 9386	H2	WAT	2025	17.628	-29.408	5.603	0.417000
HETATM 9387	O	WAT	2026	10.890	-30.210	-4.073	-0.834000
HETATM 9388	H1	WAT	2026	10.139	-30.056	-4.645	0.417000
HETATM 9389	H2	WAT	2026	10.508	-30.538	-3.259	0.417000
HETATM 9390	O	WAT	2027	5.858	17.059	11.938	-0.834000
HETATM 9391	H1	WAT	2027	5.765	17.645	11.188	0.417000
HETATM 9392	H2	WAT	2027	6.148	16.229	11.560	0.417000
HETATM 9393	O	WAT	2028	16.829	-3.846	-18.982	-0.834000
HETATM 9394	H1	WAT	2028	17.728	-3.964	-19.287	0.417000
HETATM 9395	H2	WAT	2028	16.390	-3.391	-19.701	0.417000
HETATM 9396	O	WAT	2029	7.530	15.418	1.619	-0.834000
HETATM 9397	H1	WAT	2029	8.219	15.651	0.997	0.417000
HETATM 9398	H2	WAT	2029	7.085	16.244	1.806	0.417000
HETATM 9399	O	WAT	2030	10.868	26.655	-5.046	-0.834000
HETATM 9400	H1	WAT	2030	10.453	27.015	-5.830	0.417000
HETATM 9401	H2	WAT	2030	11.099	27.423	-4.523	0.417000
HETATM 9402	O	WAT	2031	21.093	7.386	-16.075	-0.834000
HETATM 9403	H1	WAT	2031	21.071	6.446	-15.895	0.417000
HETATM 9404	H2	WAT	2031	20.431	7.516	-16.754	0.417000
HETATM 9405	O	WAT	2032	21.378	24.606	0.982	-0.834000
HETATM 9406	H1	WAT	2032	20.451	24.832	0.896	0.417000
HETATM 9407	H2	WAT	2032	21.764	25.352	1.440	0.417000
HETATM 9408	O	WAT	2033	17.445	-10.330	-19.557	-0.834000
HETATM 9409	H1	WAT	2033	17.552	-9.737	-18.813	0.417000
HETATM 9410	H2	WAT	2033	18.205	-10.157	-20.112	0.417000
HETATM 9411	O	WAT	2034	12.730	10.454	-15.250	-0.834000
HETATM 9412	H1	WAT	2034	12.135	9.997	-14.656	0.417000
HETATM 9413	H2	WAT	2034	13.029	11.215	-14.751	0.417000
HETATM 9414	O	WAT	2035	9.659	22.751	-13.488	-0.834000
HETATM 9415	H1	WAT	2035	8.874	22.949	-12.978	0.417000
HETATM 9416	H2	WAT	2035	9.760	23.501	-14.075	0.417000
HETATM 9417	O	WAT	2036	-9.431	8.862	-23.258	-0.834000
HETATM 9418	H1	WAT	2036	-9.238	8.733	-22.329	0.417000
HETATM 9419	H2	WAT	2036	-9.447	7.978	-23.625	0.417000
HETATM 9420	O	WAT	2037	27.644	15.581	-9.994	-0.834000
HETATM 9421	H1	WAT	2037	28.291	15.273	-10.629	0.417000
HETATM 9422	H2	WAT	2037	26.920	14.959	-10.069	0.417000
HETATM 9423	O	WAT	2038	-22.618	-26.190	0.885	-0.834000
HETATM 9424	H1	WAT	2038	-22.445	-25.592	0.159	0.417000
HETATM 9425	H2	WAT	2038	-23.526	-26.465	0.759	0.417000
HETATM 9426	O	WAT	2039	29.830	0.130	11.074	-0.834000
HETATM 9427	H1	WAT	2039	28.913	0.196	11.339	0.417000
HETATM 9428	H2	WAT	2039	29.835	0.405	10.157	0.417000
HETATM 9429	O	WAT	2040	-16.424	22.269	15.121	-0.834000
HETATM 9430	H1	WAT	2040	-16.546	22.122	16.059	0.417000
HETATM 9431	H2	WAT	2040	-15.971	23.110	15.067	0.417000
HETATM 9432	O	WAT	2041	9.273	20.404	-14.776	-0.834000
HETATM 9433	H1	WAT	2041	9.498	21.207	-14.307	0.417000
HETATM 9434	H2	WAT	2041	9.594	19.700	-14.213	0.417000
HETATM 9435	O	WAT	2042	2.102	28.140	2.832	-0.834000
HETATM 9436	H1	WAT	2042	1.649	27.917	2.018	0.417000
HETATM 9437	H2	WAT	2042	1.496	27.874	3.523	0.417000
HETATM 9438	O	WAT	2043	-21.596	-8.443	13.411	-0.834000
HETATM 9439	H1	WAT	2043	-21.914	-7.560	13.225	0.417000
HETATM 9440	H2	WAT	2043	-20.814	-8.308	13.946	0.417000
HETATM 9441	O	WAT	2044	5.901	-16.832	-21.274	-0.834000
HETATM 9442	H1	WAT	2044	6.583	-17.427	-20.962	0.417000
HETATM 9443	H2	WAT	2044	5.174	-16.961	-20.666	0.417000
HETATM 9444	O	WAT	2045	21.307	-2.295	-12.694	-0.834000
HETATM 9445	H1	WAT	2045	21.867	-2.582	-11.972	0.417000
HETATM 9446	H2	WAT	2045	21.705	-2.683	-13.473	0.417000
HETATM 9447	O	WAT	2046	3.556	17.361	13.384	-0.834000

HETATM 9448	H1	WAT	2046	3.066	17.969	12.830	0.417000
HETATM 9449	H2	WAT	2046	4.403	17.270	12.948	0.417000
HETATM 9450	O	WAT	2047	-9.221	-10.914	22.090	-0.834000
HETATM 9451	H1	WAT	2047	-8.322	-10.591	22.022	0.417000
HETATM 9452	H2	WAT	2047	-9.764	-10.156	21.872	0.417000
HETATM 9453	O	WAT	2048	7.477	-4.973	23.604	-0.834000
HETATM 9454	H1	WAT	2048	6.956	-4.222	23.320	0.417000
HETATM 9455	H2	WAT	2048	8.158	-5.059	22.937	0.417000
HETATM 9456	O	WAT	2049	13.126	18.516	-13.554	-0.834000
HETATM 9457	H1	WAT	2049	13.247	17.599	-13.799	0.417000
HETATM 9458	H2	WAT	2049	12.195	18.587	-13.344	0.417000
HETATM 9459	O	WAT	2050	-4.487	-11.072	21.517	-0.834000
HETATM 9460	H1	WAT	2050	-4.127	-11.575	20.787	0.417000
HETATM 9461	H2	WAT	2050	-3.815	-11.124	22.197	0.417000
HETATM 9462	O	WAT	2051	24.337	-18.506	3.993	-0.834000
HETATM 9463	H1	WAT	2051	23.768	-18.697	3.247	0.417000
HETATM 9464	H2	WAT	2051	25.191	-18.324	3.602	0.417000
HETATM 9465	O	WAT	2052	-1.762	-18.338	19.566	-0.834000
HETATM 9466	H1	WAT	2052	-1.926	-18.936	20.295	0.417000
HETATM 9467	H2	WAT	2052	-0.934	-18.639	19.191	0.417000
HETATM 9468	O	WAT	2053	11.425	-1.487	24.042	-0.834000
HETATM 9469	H1	WAT	2053	11.311	-0.546	24.174	0.417000
HETATM 9470	H2	WAT	2053	11.156	-1.880	24.872	0.417000
HETATM 9471	O	WAT	2054	-12.583	-2.521	-16.765	-0.834000
HETATM 9472	H1	WAT	2054	-13.023	-1.821	-16.283	0.417000
HETATM 9473	H2	WAT	2054	-12.166	-3.053	-16.088	0.417000
HETATM 9474	O	WAT	2055	18.659	4.944	23.788	-0.834000
HETATM 9475	H1	WAT	2055	18.580	5.596	24.484	0.417000
HETATM 9476	H2	WAT	2055	19.288	4.307	24.125	0.417000
HETATM 9477	O	WAT	2056	-28.946	6.280	-6.753	-0.834000
HETATM 9478	H1	WAT	2056	-29.673	5.712	-6.498	0.417000
HETATM 9479	H2	WAT	2056	-28.235	6.039	-6.160	0.417000
HETATM 9480	O	WAT	2057	-8.812	3.600	-16.581	-0.834000
HETATM 9481	H1	WAT	2057	-8.217	2.853	-16.523	0.417000
HETATM 9482	H2	WAT	2057	-9.341	3.548	-15.785	0.417000
HETATM 9483	O	WAT	2058	1.965	-22.753	22.847	-0.834000
HETATM 9484	H1	WAT	2058	2.669	-22.695	23.493	0.417000
HETATM 9485	H2	WAT	2058	2.064	-23.624	22.463	0.417000
HETATM 9486	O	WAT	2059	15.716	6.313	-26.915	-0.834000
HETATM 9487	H1	WAT	2059	16.534	6.444	-27.395	0.417000
HETATM 9488	H2	WAT	2059	15.140	7.011	-27.227	0.417000
HETATM 9489	O	WAT	2060	-15.016	-22.592	-19.380	-0.834000
HETATM 9490	H1	WAT	2060	-15.405	-23.429	-19.126	0.417000
HETATM 9491	H2	WAT	2060	-14.419	-22.813	-20.096	0.417000
HETATM 9492	O	WAT	2061	6.730	27.184	6.444	-0.834000
HETATM 9493	H1	WAT	2061	7.145	27.571	5.673	0.417000
HETATM 9494	H2	WAT	2061	7.384	26.578	6.790	0.417000
HETATM 9495	O	WAT	2062	11.332	0.680	-19.696	-0.834000
HETATM 9496	H1	WAT	2062	11.529	1.602	-19.860	0.417000
HETATM 9497	H2	WAT	2062	10.878	0.388	-20.487	0.417000
HETATM 9498	O	WAT	2063	2.235	18.751	2.334	-0.834000
HETATM 9499	H1	WAT	2063	1.526	18.117	2.224	0.417000
HETATM 9500	H2	WAT	2063	2.996	18.330	1.935	0.417000
HETATM 9501	O	WAT	2064	3.002	28.900	-11.350	-0.834000
HETATM 9502	H1	WAT	2064	3.515	29.653	-11.056	0.417000
HETATM 9503	H2	WAT	2064	2.115	29.078	-11.036	0.417000
HETATM 9504	O	WAT	2065	7.170	-18.810	-24.954	-0.834000
HETATM 9505	H1	WAT	2065	7.413	-19.441	-25.630	0.417000
HETATM 9506	H2	WAT	2065	6.214	-18.853	-24.918	0.417000
HETATM 9507	O	WAT	2066	12.254	3.268	-20.045	-0.834000
HETATM 9508	H1	WAT	2066	12.217	4.071	-20.564	0.417000
HETATM 9509	H2	WAT	2066	12.155	3.563	-19.140	0.417000
HETATM 9510	O	WAT	2067	3.286	6.988	-30.542	-0.834000
HETATM 9511	H1	WAT	2067	2.610	7.299	-29.939	0.417000
HETATM 9512	H2	WAT	2067	3.083	6.062	-30.671	0.417000
HETATM 9513	O	WAT	2068	-14.623	-0.223	-25.399	-0.834000
HETATM 9514	H1	WAT	2068	-15.230	-0.804	-25.857	0.417000
HETATM 9515	H2	WAT	2068	-15.163	0.216	-24.741	0.417000
HETATM 9516	O	WAT	2069	-31.467	-4.895	8.567	-0.834000
HETATM 9517	H1	WAT	2069	-31.900	-4.231	8.029	0.417000

HETATM 9518	H2	WAT	2069	-32.174	-5.482	8.836	0.417000
HETATM 9519	O	WAT	2070	-10.542	14.356	25.299	-0.834000
HETATM 9520	H1	WAT	2070	-10.839	13.780	24.594	0.417000
HETATM 9521	H2	WAT	2070	-9.631	14.552	25.081	0.417000
HETATM 9522	O	WAT	2071	-1.138	19.061	-8.733	-0.834000
HETATM 9523	H1	WAT	2071	-1.706	18.535	-8.171	0.417000
HETATM 9524	H2	WAT	2071	-0.512	19.464	-8.131	0.417000
HETATM 9525	O	WAT	2072	-7.968	26.846	-20.713	-0.834000
HETATM 9526	H1	WAT	2072	-7.352	27.522	-20.432	0.417000
HETATM 9527	H2	WAT	2072	-7.564	26.462	-21.491	0.417000
HETATM 9528	O	WAT	2073	-5.296	-9.843	29.685	-0.834000
HETATM 9529	H1	WAT	2073	-5.110	-10.498	29.013	0.417000
HETATM 9530	H2	WAT	2073	-4.435	-9.517	29.948	0.417000
HETATM 9531	O	WAT	2074	11.729	-29.630	-11.606	-0.834000
HETATM 9532	H1	WAT	2074	11.114	-30.033	-10.993	0.417000
HETATM 9533	H2	WAT	2074	11.858	-28.744	-11.269	0.417000
HETATM 9534	O	WAT	2075	11.093	-7.988	16.294	-0.834000
HETATM 9535	H1	WAT	2075	11.405	-8.718	16.830	0.417000
HETATM 9536	H2	WAT	2075	11.414	-7.206	16.744	0.417000
HETATM 9537	O	WAT	2076	-4.366	-9.500	24.760	-0.834000
HETATM 9538	H1	WAT	2076	-3.700	-10.088	24.404	0.417000
HETATM 9539	H2	WAT	2076	-5.169	-10.020	24.760	0.417000
HETATM 9540	O	WAT	2077	-4.677	-10.211	18.003	-0.834000
HETATM 9541	H1	WAT	2077	-4.855	-9.343	18.367	0.417000
HETATM 9542	H2	WAT	2077	-4.173	-10.038	17.208	0.417000
HETATM 9543	O	WAT	2078	-13.764	14.565	-28.796	-0.834000
HETATM 9544	H1	WAT	2078	-13.402	14.518	-27.911	0.417000
HETATM 9545	H2	WAT	2078	-14.712	14.527	-28.669	0.417000
HETATM 9546	O	WAT	2079	-32.504	6.926	-5.994	-0.834000
HETATM 9547	H1	WAT	2079	-32.742	7.193	-5.107	0.417000
HETATM 9548	H2	WAT	2079	-31.927	6.172	-5.871	0.417000
HETATM 9549	O	WAT	2080	-3.862	28.386	-8.380	-0.834000
HETATM 9550	H1	WAT	2080	-3.964	29.088	-9.022	0.417000
HETATM 9551	H2	WAT	2080	-4.614	28.483	-7.796	0.417000
HETATM 9552	O	WAT	2081	10.454	6.885	27.021	-0.834000
HETATM 9553	H1	WAT	2081	10.920	7.693	26.806	0.417000
HETATM 9554	H2	WAT	2081	9.830	6.771	26.303	0.417000
HETATM 9555	O	WAT	2082	-1.944	24.673	-3.071	-0.834000
HETATM 9556	H1	WAT	2082	-1.971	25.017	-2.179	0.417000
HETATM 9557	H2	WAT	2082	-1.018	24.491	-3.230	0.417000
HETATM 9558	O	WAT	2083	-9.369	-22.187	-13.029	-0.834000
HETATM 9559	H1	WAT	2083	-9.425	-22.301	-12.080	0.417000
HETATM 9560	H2	WAT	2083	-9.662	-23.024	-13.388	0.417000
HETATM 9561	O	WAT	2084	-8.689	-23.295	-4.571	-0.834000
HETATM 9562	H1	WAT	2084	-9.347	-23.144	-3.892	0.417000
HETATM 9563	H2	WAT	2084	-8.397	-22.418	-4.820	0.417000
HETATM 9564	O	WAT	2085	-19.215	23.233	3.954	-0.834000
HETATM 9565	H1	WAT	2085	-18.261	23.214	4.039	0.417000
HETATM 9566	H2	WAT	2085	-19.401	24.068	3.525	0.417000
HETATM 9567	O	WAT	2086	19.078	15.151	3.155	-0.834000
HETATM 9568	H1	WAT	2086	18.754	14.314	3.488	0.417000
HETATM 9569	H2	WAT	2086	18.645	15.809	3.699	0.417000
HETATM 9570	O	WAT	2087	-0.438	0.131	31.778	-0.834000
HETATM 9571	H1	WAT	2087	-1.094	-0.311	31.240	0.417000
HETATM 9572	H2	WAT	2087	-0.165	-0.530	32.415	0.417000
HETATM 9573	O	WAT	2088	7.496	-20.699	22.166	-0.834000
HETATM 9574	H1	WAT	2088	6.622	-20.608	22.547	0.417000
HETATM 9575	H2	WAT	2088	8.078	-20.280	22.800	0.417000
HETATM 9576	O	WAT	2089	-13.220	16.448	-15.358	-0.834000
HETATM 9577	H1	WAT	2089	-12.345	16.762	-15.130	0.417000
HETATM 9578	H2	WAT	2089	-13.581	17.133	-15.921	0.417000
HETATM 9579	O	WAT	2090	5.797	1.684	28.459	-0.834000
HETATM 9580	H1	WAT	2090	5.822	2.128	29.307	0.417000
HETATM 9581	H2	WAT	2090	6.223	2.294	27.857	0.417000
HETATM 9582	O	WAT	2091	-7.698	-20.823	-5.314	-0.834000
HETATM 9583	H1	WAT	2091	-7.671	-20.046	-4.756	0.417000
HETATM 9584	H2	WAT	2091	-6.779	-21.032	-5.479	0.417000
HETATM 9585	O	WAT	2092	-7.091	11.512	-11.208	-0.834000
HETATM 9586	H1	WAT	2092	-6.951	12.058	-10.434	0.417000
HETATM 9587	H2	WAT	2092	-7.011	12.118	-11.945	0.417000

HETATM 9588	O	WAT	2093	-15.079	23.853	-11.112	-0.834000
HETATM 9589	H1	WAT	2093	-15.059	23.993	-10.165	0.417000
HETATM 9590	H2	WAT	2093	-15.603	23.060	-11.226	0.417000
HETATM 9591	O	WAT	2094	31.949	1.041	12.676	-0.834000
HETATM 9592	H1	WAT	2094	31.401	1.520	13.298	0.417000
HETATM 9593	H2	WAT	2094	31.331	0.685	12.037	0.417000
HETATM 9594	O	WAT	2095	1.333	-31.242	8.128	-0.834000
HETATM 9595	H1	WAT	2095	1.862	-31.988	7.847	0.417000
HETATM 9596	H2	WAT	2095	0.431	-31.509	7.953	0.417000
HETATM 9597	O	WAT	2096	-13.269	17.606	22.084	-0.834000
HETATM 9598	H1	WAT	2096	-13.415	17.575	23.029	0.417000
HETATM 9599	H2	WAT	2096	-13.796	16.886	21.737	0.417000
HETATM 9600	O	WAT	2097	18.215	-18.260	14.239	-0.834000
HETATM 9601	H1	WAT	2097	18.230	-18.874	14.973	0.417000
HETATM 9602	H2	WAT	2097	18.431	-17.414	14.631	0.417000
HETATM 9603	O	WAT	2098	-3.646	-8.258	-31.000	-0.834000
HETATM 9604	H1	WAT	2098	-4.562	-8.135	-30.752	0.417000
HETATM 9605	H2	WAT	2098	-3.458	-7.530	-31.593	0.417000
HETATM 9606	O	WAT	2099	-11.052	-8.585	30.616	-0.834000
HETATM 9607	H1	WAT	2099	-11.844	-8.437	30.098	0.417000
HETATM 9608	H2	WAT	2099	-10.858	-9.514	30.497	0.417000
HETATM 9609	O	WAT	2100	-20.274	-6.125	-20.473	-0.834000
HETATM 9610	H1	WAT	2100	-19.828	-5.358	-20.833	0.417000
HETATM 9611	H2	WAT	2100	-19.611	-6.555	-19.932	0.417000
HETATM 9612	O	WAT	2101	-1.740	1.717	-33.215	-0.834000
HETATM 9613	H1	WAT	2101	-1.062	1.571	-32.556	0.417000
HETATM 9614	H2	WAT	2101	-2.244	2.458	-32.880	0.417000
HETATM 9615	O	WAT	2102	-10.835	-5.278	29.854	-0.834000
HETATM 9616	H1	WAT	2102	-10.153	-5.934	29.998	0.417000
HETATM 9617	H2	WAT	2102	-10.373	-4.532	29.473	0.417000
HETATM 9618	O	WAT	2103	-20.422	17.907	-14.449	-0.834000
HETATM 9619	H1	WAT	2103	-20.386	18.456	-13.665	0.417000
HETATM 9620	H2	WAT	2103	-20.638	18.514	-15.157	0.417000
HETATM 9621	O	WAT	2104	-28.715	-15.228	-11.850	-0.834000
HETATM 9622	H1	WAT	2104	-29.194	-16.019	-12.098	0.417000
HETATM 9623	H2	WAT	2104	-28.496	-15.360	-10.928	0.417000
HETATM 9624	O	WAT	2105	19.321	10.619	-8.293	-0.834000
HETATM 9625	H1	WAT	2105	19.756	10.362	-7.481	0.417000
HETATM 9626	H2	WAT	2105	18.405	10.743	-8.045	0.417000
HETATM 9627	O	WAT	2106	8.448	14.748	18.853	-0.834000
HETATM 9628	H1	WAT	2106	9.255	14.876	19.352	0.417000
HETATM 9629	H2	WAT	2106	8.327	13.799	18.831	0.417000
HETATM 9630	O	WAT	2107	22.577	-16.181	2.164	-0.834000
HETATM 9631	H1	WAT	2107	23.423	-15.734	2.142	0.417000
HETATM 9632	H2	WAT	2107	22.788	-17.101	2.008	0.417000
HETATM 9633	O	WAT	2108	1.765	23.534	-9.764	-0.834000
HETATM 9634	H1	WAT	2108	2.661	23.845	-9.893	0.417000
HETATM 9635	H2	WAT	2108	1.867	22.643	-9.429	0.417000
HETATM 9636	O	WAT	2109	-10.228	-6.707	-15.182	-0.834000
HETATM 9637	H1	WAT	2109	-9.444	-7.219	-15.378	0.417000
HETATM 9638	H2	WAT	2109	-10.802	-7.316	-14.718	0.417000
HETATM 9639	O	WAT	2110	-15.303	1.460	-12.317	-0.834000
HETATM 9640	H1	WAT	2110	-14.782	2.251	-12.456	0.417000
HETATM 9641	H2	WAT	2110	-15.660	1.253	-13.181	0.417000
HETATM 9642	O	WAT	2111	11.491	13.207	28.582	-0.834000
HETATM 9643	H1	WAT	2111	11.662	14.146	28.661	0.417000
HETATM 9644	H2	WAT	2111	10.923	13.003	29.325	0.417000
HETATM 9645	O	WAT	2112	15.984	26.147	-0.895	-0.834000
HETATM 9646	H1	WAT	2112	16.150	27.035	-1.211	0.417000
HETATM 9647	H2	WAT	2112	16.167	26.189	0.044	0.417000
HETATM 9648	O	WAT	2113	-24.440	8.716	-21.438	-0.834000
HETATM 9649	H1	WAT	2113	-24.998	9.256	-21.999	0.417000
HETATM 9650	H2	WAT	2113	-24.907	7.883	-21.368	0.417000
HETATM 9651	O	WAT	2114	23.818	14.311	-21.299	-0.834000
HETATM 9652	H1	WAT	2114	23.065	13.725	-21.377	0.417000
HETATM 9653	H2	WAT	2114	24.549	13.734	-21.078	0.417000
HETATM 9654	O	WAT	2115	25.979	-15.338	-17.862	-0.834000
HETATM 9655	H1	WAT	2115	26.141	-14.861	-18.676	0.417000
HETATM 9656	H2	WAT	2115	25.037	-15.252	-17.718	0.417000
HETATM 9657	O	WAT	2116	16.853	2.761	31.159	-0.834000

HETATM 9658	H1	WAT	2116	16.200	2.824	30.462	0.417000
HETATM 9659	H2	WAT	2116	16.461	2.171	31.802	0.417000
HETATM 9660	O	WAT	2117	9.851	-31.501	-7.194	-0.834000
HETATM 9661	H1	WAT	2117	9.460	-30.871	-6.589	0.417000
HETATM 9662	H2	WAT	2117	9.362	-32.311	-7.047	0.417000
HETATM 9663	O	WAT	2118	-12.174	7.757	29.399	-0.834000
HETATM 9664	H1	WAT	2118	-11.232	7.817	29.238	0.417000
HETATM 9665	H2	WAT	2118	-12.401	6.859	29.159	0.417000
HETATM 9666	O	WAT	2119	11.809	17.598	20.680	-0.834000
HETATM 9667	H1	WAT	2119	11.178	18.282	20.454	0.417000
HETATM 9668	H2	WAT	2119	12.339	17.491	19.890	0.417000
HETATM 9669	O	WAT	2120	8.378	-21.469	6.118	-0.834000
HETATM 9670	H1	WAT	2120	7.628	-21.180	6.638	0.417000
HETATM 9671	H2	WAT	2120	8.921	-21.961	6.735	0.417000
HETATM 9672	O	WAT	2121	-7.846	-8.074	-15.741	-0.834000
HETATM 9673	H1	WAT	2121	-7.019	-7.716	-15.417	0.417000
HETATM 9674	H2	WAT	2121	-7.631	-8.432	-16.602	0.417000
HETATM 9675	O	WAT	2122	-18.476	18.947	20.530	-0.834000
HETATM 9676	H1	WAT	2122	-18.029	18.857	19.688	0.417000
HETATM 9677	H2	WAT	2122	-19.395	18.767	20.332	0.417000
HETATM 9678	O	WAT	2123	-29.290	-12.654	12.211	-0.834000
HETATM 9679	H1	WAT	2123	-28.921	-13.390	11.723	0.417000
HETATM 9680	H2	WAT	2123	-28.673	-12.510	12.929	0.417000
HETATM 9681	O	WAT	2124	-6.600	6.237	-14.148	-0.834000
HETATM 9682	H1	WAT	2124	-7.114	6.665	-14.833	0.417000
HETATM 9683	H2	WAT	2124	-7.250	5.794	-13.603	0.417000
HETATM 9684	O	WAT	2125	-3.467	32.194	-5.924	-0.834000
HETATM 9685	H1	WAT	2125	-3.322	32.984	-5.403	0.417000
HETATM 9686	H2	WAT	2125	-3.859	31.572	-5.311	0.417000
HETATM 9687	O	WAT	2126	3.234	30.180	-15.055	-0.834000
HETATM 9688	H1	WAT	2126	2.636	30.746	-14.568	0.417000
HETATM 9689	H2	WAT	2126	3.382	30.641	-15.881	0.417000
HETATM 9690	O	WAT	2127	18.888	-14.625	26.062	-0.834000
HETATM 9691	H1	WAT	2127	19.504	-14.725	26.787	0.417000
HETATM 9692	H2	WAT	2127	19.261	-13.926	25.525	0.417000
HETATM 9693	O	WAT	2128	27.089	12.251	5.893	-0.834000
HETATM 9694	H1	WAT	2128	26.765	11.405	5.585	0.417000
HETATM 9695	H2	WAT	2128	27.846	12.434	5.337	0.417000
HETATM 9696	O	WAT	2129	-31.155	-5.887	-10.224	-0.834000
HETATM 9697	H1	WAT	2129	-32.041	-6.223	-10.365	0.417000
HETATM 9698	H2	WAT	2129	-31.280	-4.960	-10.022	0.417000
HETATM 9699	O	WAT	2130	12.695	-27.417	6.992	-0.834000
HETATM 9700	H1	WAT	2130	13.019	-28.284	6.748	0.417000
HETATM 9701	H2	WAT	2130	11.835	-27.582	7.379	0.417000
HETATM 9702	O	WAT	2131	-17.012	-10.335	-14.105	-0.834000
HETATM 9703	H1	WAT	2131	-16.731	-9.435	-14.271	0.417000
HETATM 9704	H2	WAT	2131	-17.032	-10.744	-14.970	0.417000
HETATM 9705	O	WAT	2132	15.650	9.731	19.023	-0.834000
HETATM 9706	H1	WAT	2132	14.927	10.286	18.729	0.417000
HETATM 9707	H2	WAT	2132	15.237	9.081	19.592	0.417000
HETATM 9708	O	WAT	2133	27.533	-4.432	-16.798	-0.834000
HETATM 9709	H1	WAT	2133	28.170	-3.886	-16.337	0.417000
HETATM 9710	H2	WAT	2133	27.560	-5.271	-16.338	0.417000
HETATM 9711	O	WAT	2134	-27.665	2.754	19.147	-0.834000
HETATM 9712	H1	WAT	2134	-28.303	3.449	18.987	0.417000
HETATM 9713	H2	WAT	2134	-26.831	3.122	18.855	0.417000
HETATM 9714	O	WAT	2135	12.339	-8.418	10.879	-0.834000
HETATM 9715	H1	WAT	2135	11.508	-8.285	10.422	0.417000
HETATM 9716	H2	WAT	2135	12.128	-8.277	11.803	0.417000
HETATM 9717	O	WAT	2136	-21.934	7.941	-22.435	-0.834000
HETATM 9718	H1	WAT	2136	-22.215	7.438	-23.200	0.417000
HETATM 9719	H2	WAT	2136	-22.748	8.251	-22.039	0.417000
HETATM 9720	O	WAT	2137	28.065	-16.996	8.891	-0.834000
HETATM 9721	H1	WAT	2137	27.862	-16.758	9.795	0.417000
HETATM 9722	H2	WAT	2137	27.687	-17.868	8.781	0.417000
HETATM 9723	O	WAT	2138	-10.604	12.471	27.297	-0.834000
HETATM 9724	H1	WAT	2138	-10.547	13.196	26.674	0.417000
HETATM 9725	H2	WAT	2138	-10.852	11.717	26.763	0.417000
HETATM 9726	O	WAT	2139	1.349	-22.522	-8.485	-0.834000
HETATM 9727	H1	WAT	2139	1.925	-23.025	-9.060	0.417000

HETATM 9728	H2	WAT	2139	0.960	-23.176	-7.904	0.417000
HETATM 9729	O	WAT	2140	-26.111	8.165	10.725	-0.834000
HETATM 9730	H1	WAT	2140	-25.800	8.182	11.631	0.417000
HETATM 9731	H2	WAT	2140	-26.180	9.087	10.478	0.417000
HETATM 9732	O	WAT	2141	-5.728	-15.715	15.740	-0.834000
HETATM 9733	H1	WAT	2141	-4.800	-15.488	15.672	0.417000
HETATM 9734	H2	WAT	2141	-5.832	-16.471	15.163	0.417000
HETATM 9735	O	WAT	2142	21.718	15.411	3.736	-0.834000
HETATM 9736	H1	WAT	2142	21.855	14.804	4.463	0.417000
HETATM 9737	H2	WAT	2142	20.792	15.312	3.512	0.417000
HETATM 9738	O	WAT	2143	-1.133	-13.853	-27.423	-0.834000
HETATM 9739	H1	WAT	2143	-0.918	-12.950	-27.658	0.417000
HETATM 9740	H2	WAT	2143	-1.764	-14.129	-28.088	0.417000
HETATM 9741	O	WAT	2144	13.000	23.671	-10.450	-0.834000
HETATM 9742	H1	WAT	2144	13.249	24.594	-10.491	0.417000
HETATM 9743	H2	WAT	2144	13.052	23.450	-9.521	0.417000
HETATM 9744	O	WAT	2145	7.909	-27.059	-14.842	-0.834000
HETATM 9745	H1	WAT	2145	7.045	-26.893	-15.219	0.417000
HETATM 9746	H2	WAT	2145	8.125	-27.949	-15.121	0.417000
HETATM 9747	O	WAT	2146	29.601	0.888	-7.343	-0.834000
HETATM 9748	H1	WAT	2146	29.117	0.550	-6.590	0.417000
HETATM 9749	H2	WAT	2146	30.057	1.660	-7.008	0.417000
HETATM 9750	O	WAT	2147	-17.297	-11.359	-16.659	-0.834000
HETATM 9751	H1	WAT	2147	-16.518	-11.384	-17.214	0.417000
HETATM 9752	H2	WAT	2147	-17.880	-12.019	-17.033	0.417000
HETATM 9753	O	WAT	2148	-20.451	16.242	-5.693	-0.834000
HETATM 9754	H1	WAT	2148	-19.721	16.242	-6.312	0.417000
HETATM 9755	H2	WAT	2148	-20.268	16.977	-5.107	0.417000
HETATM 9756	O	WAT	2149	-1.032	2.463	33.046	-0.834000
HETATM 9757	H1	WAT	2149	-0.662	3.156	32.500	0.417000
HETATM 9758	H2	WAT	2149	-0.791	1.651	32.599	0.417000
HETATM 9759	O	WAT	2150	8.521	9.057	32.901	-0.834000
HETATM 9760	H1	WAT	2150	8.118	8.189	32.857	0.417000
HETATM 9761	H2	WAT	2150	7.877	9.597	33.359	0.417000
HETATM 9762	O	WAT	2151	14.130	21.742	8.077	-0.834000
HETATM 9763	H1	WAT	2151	13.959	21.017	8.677	0.417000
HETATM 9764	H2	WAT	2151	14.935	21.493	7.623	0.417000
HETATM 9765	O	WAT	2152	-17.846	29.169	-5.926	-0.834000
HETATM 9766	H1	WAT	2152	-17.446	29.125	-5.057	0.417000
HETATM 9767	H2	WAT	2152	-18.555	28.528	-5.896	0.417000
HETATM 9768	O	WAT	2153	-1.846	25.399	-0.417	-0.834000
HETATM 9769	H1	WAT	2153	-2.060	26.057	0.245	0.417000
HETATM 9770	H2	WAT	2153	-0.958	25.117	-0.196	0.417000
HETATM 9771	O	WAT	2154	-23.065	6.798	-17.923	-0.834000
HETATM 9772	H1	WAT	2154	-22.523	7.569	-18.088	0.417000
HETATM 9773	H2	WAT	2154	-22.764	6.470	-17.076	0.417000
HETATM 9774	O	WAT	2155	-5.902	18.251	-3.624	-0.834000
HETATM 9775	H1	WAT	2155	-6.061	18.654	-2.771	0.417000
HETATM 9776	H2	WAT	2155	-6.759	17.925	-3.899	0.417000
HETATM 9777	O	WAT	2156	-23.155	14.603	-1.082	-0.834000
HETATM 9778	H1	WAT	2156	-22.673	14.899	-0.309	0.417000
HETATM 9779	H2	WAT	2156	-24.077	14.683	-0.834	0.417000
HETATM 9780	O	WAT	2157	9.948	-4.586	-20.539	-0.834000
HETATM 9781	H1	WAT	2157	10.817	-4.821	-20.864	0.417000
HETATM 9782	H2	WAT	2157	9.474	-5.417	-20.499	0.417000
HETATM 9783	O	WAT	2158	-4.757	-24.043	-15.299	-0.834000
HETATM 9784	H1	WAT	2158	-5.307	-23.917	-16.073	0.417000
HETATM 9785	H2	WAT	2158	-4.175	-23.283	-15.293	0.417000
HETATM 9786	O	WAT	2159	6.678	25.009	-6.255	-0.834000
HETATM 9787	H1	WAT	2159	7.331	24.847	-5.574	0.417000
HETATM 9788	H2	WAT	2159	6.097	25.669	-5.877	0.417000
HETATM 9789	O	WAT	2160	9.999	-25.222	-14.975	-0.834000
HETATM 9790	H1	WAT	2160	10.522	-25.661	-14.305	0.417000
HETATM 9791	H2	WAT	2160	9.227	-25.777	-15.079	0.417000
HETATM 9792	O	WAT	2161	-32.195	1.574	-4.249	-0.834000
HETATM 9793	H1	WAT	2161	-31.328	1.975	-4.319	0.417000
HETATM 9794	H2	WAT	2161	-32.682	2.158	-3.667	0.417000
HETATM 9795	O	WAT	2162	18.555	-22.104	18.567	-0.834000
HETATM 9796	H1	WAT	2162	17.675	-21.728	18.573	0.417000
HETATM 9797	H2	WAT	2162	18.703	-22.353	17.654	0.417000

HETATM 9798	O	WAT	2163	-11.480	8.669	-11.567	-0.834000
HETATM 9799	H1	WAT	2163	-10.796	9.295	-11.327	0.417000
HETATM 9800	H2	WAT	2163	-12.287	9.183	-11.564	0.417000
HETATM 9801	O	WAT	2164	-21.951	9.772	-12.884	-0.834000
HETATM 9802	H1	WAT	2164	-21.874	9.509	-11.967	0.417000
HETATM 9803	H2	WAT	2164	-22.893	9.779	-13.052	0.417000
HETATM 9804	O	WAT	2165	3.650	21.723	11.651	-0.834000
HETATM 9805	H1	WAT	2165	3.333	21.903	10.766	0.417000
HETATM 9806	H2	WAT	2165	3.235	22.392	12.195	0.417000
HETATM 9807	O	WAT	2166	5.270	1.895	-25.680	-0.834000
HETATM 9808	H1	WAT	2166	5.636	1.507	-26.474	0.417000
HETATM 9809	H2	WAT	2166	4.479	2.346	-25.977	0.417000
HETATM 9810	O	WAT	2167	11.162	8.131	13.846	-0.834000
HETATM 9811	H1	WAT	2167	10.738	8.987	13.783	0.417000
HETATM 9812	H2	WAT	2167	12.064	8.289	13.567	0.417000
HETATM 9813	O	WAT	2168	16.479	4.688	-16.894	-0.834000
HETATM 9814	H1	WAT	2168	16.617	5.610	-17.112	0.417000
HETATM 9815	H2	WAT	2168	15.894	4.706	-16.137	0.417000
HETATM 9816	O	WAT	2169	-27.737	-20.931	-4.774	-0.834000
HETATM 9817	H1	WAT	2169	-27.428	-21.637	-4.207	0.417000
HETATM 9818	H2	WAT	2169	-27.031	-20.808	-5.410	0.417000
HETATM 9819	O	WAT	2170	-22.974	15.376	-6.271	-0.834000
HETATM 9820	H1	WAT	2170	-23.304	15.318	-5.374	0.417000
HETATM 9821	H2	WAT	2170	-22.098	15.751	-6.179	0.417000
HETATM 9822	O	WAT	2171	-1.728	-4.723	19.266	-0.834000
HETATM 9823	H1	WAT	2171	-2.553	-4.254	19.386	0.417000
HETATM 9824	H2	WAT	2171	-1.937	-5.634	19.474	0.417000
HETATM 9825	O	WAT	2172	-22.346	-2.255	-1.997	-0.834000
HETATM 9826	H1	WAT	2172	-22.132	-3.117	-1.642	0.417000
HETATM 9827	H2	WAT	2172	-23.199	-2.373	-2.416	0.417000
HETATM 9828	O	WAT	2173	-14.948	-16.043	-22.902	-0.834000
HETATM 9829	H1	WAT	2173	-14.825	-15.323	-23.520	0.417000
HETATM 9830	H2	WAT	2173	-15.528	-16.653	-23.359	0.417000
HETATM 9831	O	WAT	2174	-18.489	-20.059	-19.962	-0.834000
HETATM 9832	H1	WAT	2174	-19.415	-20.252	-19.818	0.417000
HETATM 9833	H2	WAT	2174	-18.298	-20.431	-20.823	0.417000
HETATM 9834	O	WAT	2175	-25.843	-8.039	-21.522	-0.834000
HETATM 9835	H1	WAT	2175	-25.758	-7.137	-21.832	0.417000
HETATM 9836	H2	WAT	2175	-25.239	-8.095	-20.781	0.417000
HETATM 9837	O	WAT	2176	-11.748	-13.424	-8.186	-0.834000
HETATM 9838	H1	WAT	2176	-12.641	-13.118	-8.345	0.417000
HETATM 9839	H2	WAT	2176	-11.249	-13.108	-8.940	0.417000
HETATM 9840	O	WAT	2177	-16.136	28.181	-10.349	-0.834000
HETATM 9841	H1	WAT	2177	-16.556	27.422	-10.752	0.417000
HETATM 9842	H2	WAT	2177	-15.554	27.809	-9.686	0.417000
HETATM 9843	O	WAT	2178	-12.004	-22.312	5.027	-0.834000
HETATM 9844	H1	WAT	2178	-12.593	-21.632	5.354	0.417000
HETATM 9845	H2	WAT	2178	-12.525	-22.792	4.384	0.417000
HETATM 9846	O	WAT	2179	26.411	21.908	0.173	-0.834000
HETATM 9847	H1	WAT	2179	26.298	22.553	0.872	0.417000
HETATM 9848	H2	WAT	2179	26.391	21.063	0.622	0.417000
HETATM 9849	O	WAT	2180	8.047	17.721	13.413	-0.834000
HETATM 9850	H1	WAT	2180	8.638	16.989	13.238	0.417000
HETATM 9851	H2	WAT	2180	7.238	17.491	12.955	0.417000
HETATM 9852	O	WAT	2181	-9.488	13.466	-12.987	-0.834000
HETATM 9853	H1	WAT	2181	-9.875	12.640	-13.277	0.417000
HETATM 9854	H2	WAT	2181	-8.547	13.351	-13.125	0.417000
HETATM 9855	O	WAT	2182	24.329	-1.388	17.896	-0.834000
HETATM 9856	H1	WAT	2182	23.816	-1.699	17.150	0.417000
HETATM 9857	H2	WAT	2182	23.937	-1.820	18.654	0.417000
HETATM 9858	O	WAT	2183	-8.354	6.552	-30.991	-0.834000
HETATM 9859	H1	WAT	2183	-9.295	6.492	-31.152	0.417000
HETATM 9860	H2	WAT	2183	-7.966	6.626	-31.863	0.417000
HETATM 9861	O	WAT	2184	-18.485	-25.360	2.318	-0.834000
HETATM 9862	H1	WAT	2184	-18.411	-24.498	2.727	0.417000
HETATM 9863	H2	WAT	2184	-17.914	-25.311	1.551	0.417000
HETATM 9864	O	WAT	2185	21.441	24.831	12.268	-0.834000
HETATM 9865	H1	WAT	2185	20.653	24.339	12.037	0.417000
HETATM 9866	H2	WAT	2185	22.127	24.458	11.713	0.417000
HETATM 9867	O	WAT	2186	17.244	-1.815	21.691	-0.834000

HETATM 9868	H1	WAT	2186	17.934	-1.162	21.807	0.417000
HETATM 9869	H2	WAT	2186	16.440	-1.302	21.612	0.417000
HETATM 9870	O	WAT	2187	-4.319	-17.969	18.745	-0.834000
HETATM 9871	H1	WAT	2187	-4.382	-18.341	17.865	0.417000
HETATM 9872	H2	WAT	2187	-3.391	-18.037	18.968	0.417000
HETATM 9873	O	WAT	2188	-10.483	33.646	-1.317	-0.834000
HETATM 9874	H1	WAT	2188	-10.852	33.260	-0.523	0.417000
HETATM 9875	H2	WAT	2188	-10.963	34.466	-1.431	0.417000
HETATM 9876	O	WAT	2189	20.958	20.013	17.534	-0.834000
HETATM 9877	H1	WAT	2189	21.274	19.127	17.358	0.417000
HETATM 9878	H2	WAT	2189	20.471	19.935	18.355	0.417000
HETATM 9879	O	WAT	2190	14.886	13.129	-22.879	-0.834000
HETATM 9880	H1	WAT	2190	15.257	12.642	-22.144	0.417000
HETATM 9881	H2	WAT	2190	14.909	14.044	-22.597	0.417000
HETATM 9882	O	WAT	2191	15.230	-6.510	7.181	-0.834000
HETATM 9883	H1	WAT	2191	14.747	-6.107	6.459	0.417000
HETATM 9884	H2	WAT	2191	14.581	-6.608	7.878	0.417000
HETATM 9885	O	WAT	2192	16.485	1.313	14.042	-0.834000
HETATM 9886	H1	WAT	2192	15.813	1.545	13.400	0.417000
HETATM 9887	H2	WAT	2192	16.339	0.383	14.215	0.417000
HETATM 9888	O	WAT	2193	11.506	29.024	-3.679	-0.834000
HETATM 9889	H1	WAT	2193	12.112	28.856	-2.957	0.417000
HETATM 9890	H2	WAT	2193	10.678	29.240	-3.251	0.417000
HETATM 9891	O	WAT	2194	6.771	23.290	7.655	-0.834000
HETATM 9892	H1	WAT	2194	5.933	22.834	7.577	0.417000
HETATM 9893	H2	WAT	2194	7.037	23.148	8.564	0.417000
HETATM 9894	O	WAT	2195	4.487	20.864	-6.986	-0.834000
HETATM 9895	H1	WAT	2195	4.898	20.826	-6.122	0.417000
HETATM 9896	H2	WAT	2195	4.833	21.664	-7.381	0.417000
HETATM 9897	O	WAT	2196	-3.170	17.053	24.642	-0.834000
HETATM 9898	H1	WAT	2196	-3.400	17.259	23.736	0.417000
HETATM 9899	H2	WAT	2196	-2.639	17.796	24.929	0.417000
HETATM 9900	O	WAT	2197	17.440	-14.362	-20.695	-0.834000
HETATM 9901	H1	WAT	2197	16.531	-14.137	-20.890	0.417000
HETATM 9902	H2	WAT	2197	17.909	-14.196	-21.513	0.417000
HETATM 9903	O	WAT	2198	14.269	15.538	-26.799	-0.834000
HETATM 9904	H1	WAT	2198	14.493	16.071	-27.562	0.417000
HETATM 9905	H2	WAT	2198	15.105	15.174	-26.507	0.417000
HETATM 9906	O	WAT	2199	17.708	8.973	28.168	-0.834000
HETATM 9907	H1	WAT	2199	18.549	8.599	27.903	0.417000
HETATM 9908	H2	WAT	2199	17.812	9.160	29.101	0.417000
HETATM 9909	O	WAT	2200	5.094	-13.560	12.612	-0.834000
HETATM 9910	H1	WAT	2200	5.837	-13.249	13.129	0.417000
HETATM 9911	H2	WAT	2200	4.673	-12.761	12.293	0.417000
HETATM 9912	O	WAT	2201	-18.662	-1.893	-13.031	-0.834000
HETATM 9913	H1	WAT	2201	-19.596	-2.099	-13.038	0.417000
HETATM 9914	H2	WAT	2201	-18.503	-1.473	-13.877	0.417000
HETATM 9915	O	WAT	2202	25.508	-8.425	-11.871	-0.834000
HETATM 9916	H1	WAT	2202	25.773	-7.781	-12.528	0.417000
HETATM 9917	H2	WAT	2202	26.332	-8.791	-11.549	0.417000
HETATM 9918	O	WAT	2203	-2.650	-3.958	-28.331	-0.834000
HETATM 9919	H1	WAT	2203	-3.058	-4.656	-27.819	0.417000
HETATM 9920	H2	WAT	2203	-1.711	-4.065	-28.176	0.417000
HETATM 9921	O	WAT	2204	2.150	26.734	-6.298	-0.834000
HETATM 9922	H1	WAT	2204	1.596	26.285	-6.937	0.417000
HETATM 9923	H2	WAT	2204	1.622	26.761	-5.500	0.417000
HETATM 9924	O	WAT	2205	-20.043	26.490	-8.384	-0.834000
HETATM 9925	H1	WAT	2205	-20.003	26.847	-7.497	0.417000
HETATM 9926	H2	WAT	2205	-20.065	27.261	-8.952	0.417000
HETATM 9927	O	WAT	2206	3.498	-7.380	23.609	-0.834000
HETATM 9928	H1	WAT	2206	3.094	-6.595	23.979	0.417000
HETATM 9929	H2	WAT	2206	4.400	-7.359	23.929	0.417000
HETATM 9930	O	WAT	2207	10.423	-28.290	8.295	-0.834000
HETATM 9931	H1	WAT	2207	10.427	-28.291	9.252	0.417000
HETATM 9932	H2	WAT	2207	10.234	-29.198	8.056	0.417000
HETATM 9933	O	WAT	2208	12.085	-32.230	5.864	-0.834000
HETATM 9934	H1	WAT	2208	11.219	-32.519	6.152	0.417000
HETATM 9935	H2	WAT	2208	12.690	-32.627	6.490	0.417000
HETATM 9936	O	WAT	2209	-29.405	17.854	-5.087	-0.834000
HETATM 9937	H1	WAT	2209	-29.360	18.551	-4.433	0.417000

HETATM 9938	H2	WAT	2209	-28.492	17.674	-5.310	0.417000
HETATM 9939	O	WAT	2210	2.572	16.765	-13.852	-0.834000
HETATM 9940	H1	WAT	2210	2.431	17.651	-14.186	0.417000
HETATM 9941	H2	WAT	2210	2.795	16.249	-14.627	0.417000
HETATM 9942	O	WAT	2211	-10.543	-4.762	-19.809	-0.834000
HETATM 9943	H1	WAT	2211	-10.771	-5.279	-19.037	0.417000
HETATM 9944	H2	WAT	2211	-11.099	-5.113	-20.506	0.417000
HETATM 9945	O	WAT	2212	8.900	-3.401	-30.623	-0.834000
HETATM 9946	H1	WAT	2212	8.780	-2.902	-31.430	0.417000
HETATM 9947	H2	WAT	2212	9.175	-2.750	-29.977	0.417000
HETATM 9948	O	WAT	2213	-22.780	2.833	4.504	-0.834000
HETATM 9949	H1	WAT	2213	-23.557	3.388	4.442	0.417000
HETATM 9950	H2	WAT	2213	-22.210	3.287	5.124	0.417000
HETATM 9951	O	WAT	2214	22.083	-5.613	-11.793	-0.834000
HETATM 9952	H1	WAT	2214	22.529	-6.235	-11.217	0.417000
HETATM 9953	H2	WAT	2214	22.454	-5.780	-12.659	0.417000
HETATM 9954	O	WAT	2215	0.969	6.706	-13.881	-0.834000
HETATM 9955	H1	WAT	2215	1.021	6.681	-14.837	0.417000
HETATM 9956	H2	WAT	2215	1.052	5.791	-13.613	0.417000
HETATM 9957	O	WAT	2216	7.431	-23.827	-1.752	-0.834000
HETATM 9958	H1	WAT	2216	7.446	-24.159	-2.650	0.417000
HETATM 9959	H2	WAT	2216	7.976	-24.442	-1.261	0.417000
HETATM 9960	O	WAT	2217	-4.890	-21.616	11.865	-0.834000
HETATM 9961	H1	WAT	2217	-4.078	-21.155	11.657	0.417000
HETATM 9962	H2	WAT	2217	-5.423	-21.533	11.074	0.417000
HETATM 9963	O	WAT	2218	11.907	6.806	22.509	-0.834000
HETATM 9964	H1	WAT	2218	11.780	7.593	23.039	0.417000
HETATM 9965	H2	WAT	2218	11.794	7.105	21.606	0.417000
HETATM 9966	O	WAT	2219	4.204	-34.652	4.005	-0.834000
HETATM 9967	H1	WAT	2219	3.806	-33.804	4.205	0.417000
HETATM 9968	H2	WAT	2219	4.091	-35.164	4.806	0.417000
HETATM 9969	O	WAT	2220	-33.935	0.367	-5.974	-0.834000
HETATM 9970	H1	WAT	2220	-33.332	0.812	-5.378	0.417000
HETATM 9971	H2	WAT	2220	-33.553	0.497	-6.842	0.417000
HETATM 9972	O	WAT	2221	-28.051	-4.722	10.694	-0.834000
HETATM 9973	H1	WAT	2221	-27.143	-4.696	10.391	0.417000
HETATM 9974	H2	WAT	2221	-27.987	-4.940	11.624	0.417000
HETATM 9975	O	WAT	2222	-15.661	-12.656	26.340	-0.834000
HETATM 9976	H1	WAT	2222	-15.593	-11.749	26.042	0.417000
HETATM 9977	H2	WAT	2222	-16.452	-12.671	26.880	0.417000
HETATM 9978	O	WAT	2223	-14.546	-2.637	-13.406	-0.834000
HETATM 9979	H1	WAT	2223	-15.371	-3.109	-13.526	0.417000
HETATM 9980	H2	WAT	2223	-13.919	-3.313	-13.148	0.417000
HETATM 9981	O	WAT	2224	-10.993	-27.929	8.843	-0.834000
HETATM 9982	H1	WAT	2224	-11.771	-28.143	8.329	0.417000
HETATM 9983	H2	WAT	2224	-10.374	-28.632	8.644	0.417000
HETATM 9984	O	WAT	2225	-27.144	-19.168	3.328	-0.834000
HETATM 9985	H1	WAT	2225	-28.043	-19.469	3.195	0.417000
HETATM 9986	H2	WAT	2225	-26.720	-19.883	3.804	0.417000
HETATM 9987	O	WAT	2226	27.952	13.280	13.830	-0.834000
HETATM 9988	H1	WAT	2226	27.850	12.386	14.157	0.417000
HETATM 9989	H2	WAT	2226	27.113	13.481	13.416	0.417000
HETATM 9990	O	WAT	2227	-6.616	26.746	-10.880	-0.834000
HETATM 9991	H1	WAT	2227	-7.126	26.304	-11.559	0.417000
HETATM 9992	H2	WAT	2227	-6.172	27.459	-11.340	0.417000
HETATM 9993	O	WAT	2228	-21.843	-4.627	-10.954	-0.834000
HETATM 9994	H1	WAT	2228	-22.385	-4.430	-10.190	0.417000
HETATM 9995	H2	WAT	2228	-20.949	-4.653	-10.612	0.417000
HETATM 9996	O	WAT	2229	-1.568	-2.916	-35.324	-0.834000
HETATM 9997	H1	WAT	2229	-2.058	-2.560	-34.583	0.417000
HETATM 9998	H2	WAT	2229	-2.241	-3.165	-35.958	0.417000
HETATM 9999	O	WAT	2230	-7.269	32.696	-8.037	-0.834000
HETATM10000	H1	WAT	2230	-7.784	33.399	-8.433	0.417000
HETATM10001	H2	WAT	2230	-7.578	32.653	-7.132	0.417000
HETATM10002	O	WAT	2231	16.582	16.956	-16.943	-0.834000
HETATM10003	H1	WAT	2231	15.736	17.189	-17.326	0.417000
HETATM10004	H2	WAT	2231	17.145	17.708	-17.130	0.417000
HETATM10005	O	WAT	2232	-12.325	-9.615	-11.478	-0.834000
HETATM10006	H1	WAT	2232	-12.948	-10.329	-11.340	0.417000
HETATM10007	H2	WAT	2232	-11.466	-10.032	-11.416	0.417000

HETATM10008	O	WAT	2233	-6.482	-3.524	-14.566	-0.834000
HETATM10009	H1	WAT	2233	-6.282	-3.536	-15.501	0.417000
HETATM10010	H2	WAT	2233	-6.441	-2.599	-14.324	0.417000
HETATM10011	O	WAT	2234	-5.831	20.632	-16.748	-0.834000
HETATM10012	H1	WAT	2234	-5.772	21.481	-16.310	0.417000
HETATM10013	H2	WAT	2234	-4.922	20.372	-16.892	0.417000
HETATM10014	O	WAT	2235	16.217	-24.397	-11.014	-0.834000
HETATM10015	H1	WAT	2235	16.388	-23.880	-11.801	0.417000
HETATM10016	H2	WAT	2235	16.882	-25.086	-11.031	0.417000
HETATM10017	O	WAT	2236	-32.038	2.436	-13.271	-0.834000
HETATM10018	H1	WAT	2236	-32.349	2.083	-14.105	0.417000
HETATM10019	H2	WAT	2236	-32.707	3.073	-13.017	0.417000
HETATM10020	O	WAT	2237	0.123	-27.281	7.166	-0.834000
HETATM10021	H1	WAT	2237	-0.312	-27.399	8.010	0.417000
HETATM10022	H2	WAT	2237	-0.584	-27.333	6.523	0.417000
HETATM10023	O	WAT	2238	1.505	-32.358	0.239	-0.834000
HETATM10024	H1	WAT	2238	2.100	-31.610	0.184	0.417000
HETATM10025	H2	WAT	2238	2.048	-33.072	0.573	0.417000
HETATM10026	O	WAT	2239	-11.978	7.305	-25.152	-0.834000
HETATM10027	H1	WAT	2239	-11.834	7.595	-26.052	0.417000
HETATM10028	H2	WAT	2239	-11.127	6.970	-24.869	0.417000
HETATM10029	O	WAT	2240	4.212	0.793	31.685	-0.834000
HETATM10030	H1	WAT	2240	4.035	0.755	32.625	0.417000
HETATM10031	H2	WAT	2240	3.347	0.858	31.281	0.417000
HETATM10032	O	WAT	2241	-32.363	-4.036	-7.076	-0.834000
HETATM10033	H1	WAT	2241	-32.211	-3.859	-8.004	0.417000
HETATM10034	H2	WAT	2241	-33.089	-3.459	-6.838	0.417000
HETATM10035	O	WAT	2242	17.005	15.218	-5.889	-0.834000
HETATM10036	H1	WAT	2242	17.364	15.707	-6.629	0.417000
HETATM10037	H2	WAT	2242	17.309	15.695	-5.117	0.417000
HETATM10038	O	WAT	2243	4.478	-5.570	16.478	-0.834000
HETATM10039	H1	WAT	2243	5.431	-5.492	16.447	0.417000
HETATM10040	H2	WAT	2243	4.186	-5.287	15.612	0.417000
HETATM10041	O	WAT	2244	32.951	9.238	1.162	-0.834000
HETATM10042	H1	WAT	2244	33.031	8.957	2.074	0.417000
HETATM10043	H2	WAT	2244	33.641	8.758	0.703	0.417000
HETATM10044	O	WAT	2245	1.390	32.039	-14.110	-0.834000
HETATM10045	H1	WAT	2245	0.515	31.658	-14.045	0.417000
HETATM10046	H2	WAT	2245	1.311	32.709	-14.789	0.417000
HETATM10047	O	WAT	2246	-34.421	-5.293	1.888	-0.834000
HETATM10048	H1	WAT	2246	-34.153	-4.387	1.731	0.417000
HETATM10049	H2	WAT	2246	-34.122	-5.769	1.114	0.417000
HETATM10050	O	WAT	2247	-23.944	-14.592	-12.528	-0.834000
HETATM10051	H1	WAT	2247	-23.844	-13.687	-12.233	0.417000
HETATM10052	H2	WAT	2247	-24.795	-14.608	-12.965	0.417000
HETATM10053	O	WAT	2248	2.735	26.770	-21.498	-0.834000
HETATM10054	H1	WAT	2248	2.193	26.170	-22.010	0.417000
HETATM10055	H2	WAT	2248	3.249	27.245	-22.150	0.417000
HETATM10056	O	WAT	2249	-10.125	-24.583	-14.228	-0.834000
HETATM10057	H1	WAT	2249	-10.826	-25.229	-14.139	0.417000
HETATM10058	H2	WAT	2249	-10.079	-24.407	-15.168	0.417000
HETATM10059	O	WAT	2250	1.843	11.694	-16.903	-0.834000
HETATM10060	H1	WAT	2250	2.391	12.332	-17.360	0.417000
HETATM10061	H2	WAT	2250	0.968	12.082	-16.908	0.417000
HETATM10062	O	WAT	2251	17.214	-5.442	-25.673	-0.834000
HETATM10063	H1	WAT	2251	16.376	-5.439	-25.210	0.417000
HETATM10064	H2	WAT	2251	17.796	-5.955	-25.111	0.417000
HETATM10065	O	WAT	2252	0.005	-1.997	33.437	-0.834000
HETATM10066	H1	WAT	2252	-0.433	-2.786	33.118	0.417000
HETATM10067	H2	WAT	2252	-0.293	-1.906	34.342	0.417000
HETATM10068	O	WAT	2253	-25.012	-8.041	-10.385	-0.834000
HETATM10069	H1	WAT	2253	-25.067	-7.119	-10.136	0.417000
HETATM10070	H2	WAT	2253	-25.481	-8.505	-9.691	0.417000
HETATM10071	O	WAT	2254	25.168	-5.638	8.856	-0.834000
HETATM10072	H1	WAT	2254	26.097	-5.678	8.633	0.417000
HETATM10073	H2	WAT	2254	24.920	-4.728	8.689	0.417000
HETATM10074	O	WAT	2255	16.328	25.952	-8.989	-0.834000
HETATM10075	H1	WAT	2255	17.107	26.457	-8.759	0.417000
HETATM10076	H2	WAT	2255	16.663	25.086	-9.221	0.417000
HETATM10077	O	WAT	2256	-16.371	13.921	-17.804	-0.834000

HETATM10078	H1	WAT	2256	-15.530	13.925	-17.346	0.417000
HETATM10079	H2	WAT	2256	-16.805	13.123	-17.502	0.417000
HETATM10080	O	WAT	2257	12.154	-12.041	13.679	-0.834000
HETATM10081	H1	WAT	2257	11.452	-11.502	13.316	0.417000
HETATM10082	H2	WAT	2257	12.761	-12.167	12.950	0.417000
HETATM10083	O	WAT	2258	13.435	-28.579	-8.546	-0.834000
HETATM10084	H1	WAT	2258	13.976	-28.501	-7.760	0.417000
HETATM10085	H2	WAT	2258	13.695	-29.415	-8.933	0.417000
HETATM10086	O	WAT	2259	-16.478	-3.054	-23.988	-0.834000
HETATM10087	H1	WAT	2259	-15.744	-2.957	-23.381	0.417000
HETATM10088	H2	WAT	2259	-17.194	-2.570	-23.577	0.417000
HETATM10089	O	WAT	2260	-24.807	-5.076	-13.561	-0.834000
HETATM10090	H1	WAT	2260	-24.745	-4.483	-14.309	0.417000
HETATM10091	H2	WAT	2260	-24.959	-4.502	-12.811	0.417000
HETATM10092	O	WAT	2261	25.593	5.236	-6.966	-0.834000
HETATM10093	H1	WAT	2261	25.678	4.541	-7.619	0.417000
HETATM10094	H2	WAT	2261	24.933	5.827	-7.329	0.417000
HETATM10095	O	WAT	2262	3.418	23.685	-14.943	-0.834000
HETATM10096	H1	WAT	2262	3.957	23.626	-14.154	0.417000
HETATM10097	H2	WAT	2262	3.473	22.814	-15.336	0.417000
HETATM10098	O	WAT	2263	4.315	-25.480	16.599	-0.834000
HETATM10099	H1	WAT	2263	5.144	-25.626	16.143	0.417000
HETATM10100	H2	WAT	2263	4.134	-24.548	16.474	0.417000
HETATM10101	O	WAT	2264	-20.479	-1.362	1.349	-0.834000
HETATM10102	H1	WAT	2264	-21.029	-2.138	1.454	0.417000
HETATM10103	H2	WAT	2264	-19.948	-1.335	2.145	0.417000
HETATM10104	O	WAT	2265	19.895	-10.966	19.290	-0.834000
HETATM10105	H1	WAT	2265	20.489	-11.495	18.757	0.417000
HETATM10106	H2	WAT	2265	19.292	-10.574	18.659	0.417000
HETATM10107	O	WAT	2266	5.195	-6.669	27.046	-0.834000
HETATM10108	H1	WAT	2266	5.506	-6.811	26.152	0.417000
HETATM10109	H2	WAT	2266	5.943	-6.280	27.500	0.417000
HETATM10110	O	WAT	2267	-19.560	-29.054	-0.349	-0.834000
HETATM10111	H1	WAT	2267	-18.885	-29.559	0.104	0.417000
HETATM10112	H2	WAT	2267	-19.907	-28.464	0.321	0.417000
HETATM10113	O	WAT	2268	-26.292	13.142	-16.736	-0.834000
HETATM10114	H1	WAT	2268	-25.896	13.939	-17.091	0.417000
HETATM10115	H2	WAT	2268	-26.362	12.554	-17.488	0.417000
HETATM10116	O	WAT	2269	-1.305	18.976	-21.080	-0.834000
HETATM10117	H1	WAT	2269	-1.803	19.791	-21.024	0.417000
HETATM10118	H2	WAT	2269	-0.403	19.233	-20.891	0.417000
HETATM10119	O	WAT	2270	-23.474	15.979	12.655	-0.834000
HETATM10120	H1	WAT	2270	-24.358	15.618	12.584	0.417000
HETATM10121	H2	WAT	2270	-23.184	16.081	11.749	0.417000
HETATM10122	O	WAT	2271	-2.212	27.911	-20.665	-0.834000
HETATM10123	H1	WAT	2271	-2.837	27.917	-19.940	0.417000
HETATM10124	H2	WAT	2271	-2.168	26.994	-20.936	0.417000
HETATM10125	O	WAT	2272	-7.977	25.259	-12.786	-0.834000
HETATM10126	H1	WAT	2272	-7.605	24.409	-12.553	0.417000
HETATM10127	H2	WAT	2272	-8.920	25.102	-12.838	0.417000
HETATM10128	O	WAT	2273	8.829	-13.258	22.867	-0.834000
HETATM10129	H1	WAT	2273	8.364	-13.958	23.326	0.417000
HETATM10130	H2	WAT	2273	9.373	-12.851	23.541	0.417000
HETATM10131	O	WAT	2274	-10.204	-1.640	-23.604	-0.834000
HETATM10132	H1	WAT	2274	-10.414	-1.214	-22.773	0.417000
HETATM10133	H2	WAT	2274	-9.519	-2.271	-23.383	0.417000
HETATM10134	O	WAT	2275	19.909	-6.332	9.523	-0.834000
HETATM10135	H1	WAT	2275	20.356	-6.022	8.735	0.417000
HETATM10136	H2	WAT	2275	19.018	-5.992	9.442	0.417000
HETATM10137	O	WAT	2276	-10.717	-11.860	-23.242	-0.834000
HETATM10138	H1	WAT	2276	-11.511	-11.900	-22.709	0.417000
HETATM10139	H2	WAT	2276	-10.001	-11.899	-22.609	0.417000
HETATM10140	O	WAT	2277	20.015	11.223	-16.836	-0.834000
HETATM10141	H1	WAT	2277	19.515	10.964	-17.609	0.417000
HETATM10142	H2	WAT	2277	19.623	12.052	-16.563	0.417000
HETATM10143	O	WAT	2278	4.007	23.349	5.201	-0.834000
HETATM10144	H1	WAT	2278	4.224	22.911	6.025	0.417000
HETATM10145	H2	WAT	2278	4.200	24.272	5.363	0.417000
HETATM10146	O	WAT	2279	-4.504	-10.972	13.863	-0.834000
HETATM10147	H1	WAT	2279	-3.793	-11.570	13.635	0.417000

HETATM10148	H2	WAT	2279	-4.185	-10.503	14.634	0.417000
HETATM10149	O	WAT	2280	-2.338	27.051	22.567	-0.834000
HETATM10150	H1	WAT	2280	-2.250	26.379	23.243	0.417000
HETATM10151	H2	WAT	2280	-2.105	26.604	21.753	0.417000
HETATM10152	O	WAT	2281	17.784	-12.842	11.367	-0.834000
HETATM10153	H1	WAT	2281	18.390	-12.556	12.050	0.417000
HETATM10154	H2	WAT	2281	18.298	-13.442	10.826	0.417000
HETATM10155	O	WAT	2282	-5.353	16.834	0.045	-0.834000
HETATM10156	H1	WAT	2282	-6.171	16.388	-0.172	0.417000
HETATM10157	H2	WAT	2282	-5.320	16.824	1.001	0.417000
HETATM10158	O	WAT	2283	-21.851	11.843	-4.114	-0.834000
HETATM10159	H1	WAT	2283	-21.718	12.109	-3.205	0.417000
HETATM10160	H2	WAT	2283	-21.262	12.406	-4.617	0.417000
HETATM10161	O	WAT	2284	-24.284	-16.683	-10.809	-0.834000
HETATM10162	H1	WAT	2284	-24.209	-15.993	-11.468	0.417000
HETATM10163	H2	WAT	2284	-23.608	-16.475	-10.165	0.417000
HETATM10164	O	WAT	2285	-17.721	21.460	21.336	-0.834000
HETATM10165	H1	WAT	2285	-18.002	21.899	20.533	0.417000
HETATM10166	H2	WAT	2285	-17.946	20.541	21.198	0.417000
HETATM10167	O	WAT	2286	24.812	-22.955	-4.083	-0.834000
HETATM10168	H1	WAT	2286	24.943	-23.835	-3.729	0.417000
HETATM10169	H2	WAT	2286	25.659	-22.722	-4.462	0.417000
HETATM10170	O	WAT	2287	17.566	-23.844	-17.532	-0.834000
HETATM10171	H1	WAT	2287	17.688	-24.627	-18.068	0.417000
HETATM10172	H2	WAT	2287	17.015	-24.134	-16.806	0.417000
HETATM10173	O	WAT	2288	-26.761	-14.617	8.660	-0.834000
HETATM10174	H1	WAT	2288	-25.958	-14.358	9.113	0.417000
HETATM10175	H2	WAT	2288	-26.530	-15.428	8.208	0.417000
HETATM10176	O	WAT	2289	11.850	26.198	-14.294	-0.834000
HETATM10177	H1	WAT	2289	12.594	25.597	-14.337	0.417000
HETATM10178	H2	WAT	2289	12.050	26.873	-14.942	0.417000
HETATM10179	O	WAT	2290	17.168	-19.659	-16.555	-0.834000
HETATM10180	H1	WAT	2290	16.825	-20.285	-17.191	0.417000
HETATM10181	H2	WAT	2290	17.897	-20.117	-16.137	0.417000
HETATM10182	O	WAT	2291	-0.290	26.695	8.076	-0.834000
HETATM10183	H1	WAT	2291	-0.665	26.098	8.724	0.417000
HETATM10184	H2	WAT	2291	0.571	26.325	7.880	0.417000
HETATM10185	O	WAT	2292	4.084	7.909	-24.773	-0.834000
HETATM10186	H1	WAT	2292	4.583	8.345	-24.082	0.417000
HETATM10187	H2	WAT	2292	4.324	6.985	-24.694	0.417000
HETATM10188	O	WAT	2293	-18.612	-2.424	18.957	-0.834000
HETATM10189	H1	WAT	2293	-18.871	-1.536	18.713	0.417000
HETATM10190	H2	WAT	2293	-19.436	-2.865	19.166	0.417000
HETATM10191	O	WAT	2294	22.517	5.937	5.101	-0.834000
HETATM10192	H1	WAT	2294	21.801	5.596	4.564	0.417000
HETATM10193	H2	WAT	2294	22.447	6.888	5.016	0.417000
HETATM10194	O	WAT	2295	-12.750	-17.505	-21.692	-0.834000
HETATM10195	H1	WAT	2295	-12.050	-16.981	-22.082	0.417000
HETATM10196	H2	WAT	2295	-13.556	-17.111	-22.024	0.417000
HETATM10197	O	WAT	2296	10.253	-5.381	-26.269	-0.834000
HETATM10198	H1	WAT	2296	9.804	-5.720	-25.496	0.417000
HETATM10199	H2	WAT	2296	9.936	-5.926	-26.989	0.417000
HETATM10200	O	WAT	2297	-31.611	-2.503	14.807	-0.834000
HETATM10201	H1	WAT	2297	-31.067	-3.278	14.950	0.417000
HETATM10202	H2	WAT	2297	-31.019	-1.765	14.954	0.417000
HETATM10203	O	WAT	2298	-15.686	-28.112	-5.520	-0.834000
HETATM10204	H1	WAT	2298	-16.584	-27.824	-5.358	0.417000
HETATM10205	H2	WAT	2298	-15.731	-29.067	-5.486	0.417000
HETATM10206	O	WAT	2299	21.439	-1.209	-22.215	-0.834000
HETATM10207	H1	WAT	2299	21.048	-1.361	-21.355	0.417000
HETATM10208	H2	WAT	2299	22.383	-1.267	-22.063	0.417000
HETATM10209	O	WAT	2300	-4.098	22.437	26.174	-0.834000
HETATM10210	H1	WAT	2300	-4.393	23.335	26.026	0.417000
HETATM10211	H2	WAT	2300	-4.777	22.050	26.726	0.417000
HETATM10212	O	WAT	2301	-12.198	2.683	29.517	-0.834000
HETATM10213	H1	WAT	2301	-12.758	1.908	29.551	0.417000
HETATM10214	H2	WAT	2301	-11.914	2.813	30.422	0.417000
HETATM10215	O	WAT	2302	-18.559	11.341	-2.289	-0.834000
HETATM10216	H1	WAT	2302	-18.570	10.725	-3.022	0.417000
HETATM10217	H2	WAT	2302	-19.483	11.482	-2.081	0.417000

HETATM10218	O	WAT	2303	-25.254	3.760	18.279	-0.834000
HETATM10219	H1	WAT	2303	-25.369	4.503	17.687	0.417000
HETATM10220	H2	WAT	2303	-24.551	4.030	18.870	0.417000
HETATM10221	O	WAT	2304	6.632	33.493	0.805	-0.834000
HETATM10222	H1	WAT	2304	6.899	33.880	-0.029	0.417000
HETATM10223	H2	WAT	2304	6.403	32.590	0.587	0.417000
HETATM10224	O	WAT	2305	-8.137	24.397	-1.709	-0.834000
HETATM10225	H1	WAT	2305	-7.625	23.846	-2.301	0.417000
HETATM10226	H2	WAT	2305	-7.646	24.388	-0.888	0.417000
HETATM10227	O	WAT	2306	27.651	1.097	13.938	-0.834000
HETATM10228	H1	WAT	2306	26.784	1.260	14.310	0.417000
HETATM10229	H2	WAT	2306	27.485	0.533	13.183	0.417000
HETATM10230	O	WAT	2307	-13.284	-23.540	-1.967	-0.834000
HETATM10231	H1	WAT	2307	-13.227	-24.318	-1.413	0.417000
HETATM10232	H2	WAT	2307	-13.933	-22.985	-1.535	0.417000
HETATM10233	O	WAT	2308	25.165	23.077	6.535	-0.834000
HETATM10234	H1	WAT	2308	25.686	22.351	6.876	0.417000
HETATM10235	H2	WAT	2308	24.855	22.770	5.683	0.417000
HETATM10236	O	WAT	2309	20.311	14.165	16.975	-0.834000
HETATM10237	H1	WAT	2309	19.676	13.458	16.862	0.417000
HETATM10238	H2	WAT	2309	20.306	14.345	17.915	0.417000
HETATM10239	O	WAT	2310	-28.967	2.016	-9.663	-0.834000
HETATM10240	H1	WAT	2310	-28.720	1.286	-9.095	0.417000
HETATM10241	H2	WAT	2310	-28.181	2.194	-10.179	0.417000
HETATM10242	O	WAT	2311	-20.345	-5.484	21.873	-0.834000
HETATM10243	H1	WAT	2311	-19.574	-6.018	22.062	0.417000
HETATM10244	H2	WAT	2311	-20.488	-4.977	22.672	0.417000
HETATM10245	O	WAT	2312	21.490	-17.426	15.916	-0.834000
HETATM10246	H1	WAT	2312	21.544	-17.348	14.964	0.417000
HETATM10247	H2	WAT	2312	22.258	-16.955	16.239	0.417000
HETATM10248	O	WAT	2313	-24.353	-7.124	8.188	-0.834000
HETATM10249	H1	WAT	2313	-24.109	-6.509	7.496	0.417000
HETATM10250	H2	WAT	2313	-24.747	-7.862	7.723	0.417000
HETATM10251	O	WAT	2314	-21.496	26.108	5.635	-0.834000
HETATM10252	H1	WAT	2314	-22.400	25.926	5.895	0.417000
HETATM10253	H2	WAT	2314	-21.576	26.571	4.801	0.417000
HETATM10254	O	WAT	2315	-23.479	5.210	22.677	-0.834000
HETATM10255	H1	WAT	2315	-23.430	4.967	21.752	0.417000
HETATM10256	H2	WAT	2315	-24.312	4.847	22.976	0.417000
HETATM10257	O	WAT	2316	-16.687	21.946	17.834	-0.834000
HETATM10258	H1	WAT	2316	-16.054	22.646	17.992	0.417000
HETATM10259	H2	WAT	2316	-17.485	22.241	18.271	0.417000
HETATM10260	O	WAT	2317	-14.386	7.651	31.028	-0.834000
HETATM10261	H1	WAT	2317	-14.524	6.750	31.322	0.417000
HETATM10262	H2	WAT	2317	-13.597	7.607	30.488	0.417000
HETATM10263	O	WAT	2318	17.724	13.435	22.434	-0.834000
HETATM10264	H1	WAT	2318	17.366	12.719	21.909	0.417000
HETATM10265	H2	WAT	2318	17.398	13.269	23.319	0.417000
HETATM10266	O	WAT	2319	-12.840	25.753	10.536	-0.834000
HETATM10267	H1	WAT	2319	-12.377	24.919	10.612	0.417000
HETATM10268	H2	WAT	2319	-13.234	25.730	9.664	0.417000
HETATM10269	O	WAT	2320	9.798	-30.952	8.095	-0.834000
HETATM10270	H1	WAT	2320	8.922	-30.767	8.433	0.417000
HETATM10271	H2	WAT	2320	9.697	-31.762	7.595	0.417000
HETATM10272	O	WAT	2321	-11.472	-1.535	-26.971	-0.834000
HETATM10273	H1	WAT	2321	-10.846	-2.243	-27.121	0.417000
HETATM10274	H2	WAT	2321	-10.941	-0.814	-26.633	0.417000
HETATM10275	O	WAT	2322	-6.998	-8.997	-18.189	-0.834000
HETATM10276	H1	WAT	2322	-7.320	-8.494	-18.937	0.417000
HETATM10277	H2	WAT	2322	-6.054	-9.064	-18.334	0.417000
HETATM10278	O	WAT	2323	5.827	19.061	-13.825	-0.834000
HETATM10279	H1	WAT	2323	5.581	18.391	-14.463	0.417000
HETATM10280	H2	WAT	2323	6.099	19.809	-14.357	0.417000
HETATM10281	O	WAT	2324	1.582	-26.303	16.667	-0.834000
HETATM10282	H1	WAT	2324	2.487	-26.003	16.581	0.417000
HETATM10283	H2	WAT	2324	1.504	-27.016	16.034	0.417000
HETATM10284	O	WAT	2325	7.479	27.448	-18.627	-0.834000
HETATM10285	H1	WAT	2325	7.430	27.121	-19.526	0.417000
HETATM10286	H2	WAT	2325	6.630	27.226	-18.245	0.417000
HETATM10287	O	WAT	2326	8.428	8.762	-30.600	-0.834000

HETATM10288	H1	WAT	2326	7.959	8.248	-29.943	0.417000
HETATM10289	H2	WAT	2326	7.747	9.274	-31.036	0.417000
HETATM10290	O	WAT	2327	-2.027	12.903	-29.027	-0.834000
HETATM10291	H1	WAT	2327	-2.898	13.278	-28.899	0.417000
HETATM10292	H2	WAT	2327	-1.851	13.019	-29.960	0.417000
HETATM10293	O	WAT	2328	-23.918	15.132	-3.721	-0.834000
HETATM10294	H1	WAT	2328	-23.545	14.935	-2.862	0.417000
HETATM10295	H2	WAT	2328	-24.594	14.467	-3.848	0.417000
HETATM10296	O	WAT	2329	4.492	-25.917	-9.047	-0.834000
HETATM10297	H1	WAT	2329	5.225	-25.953	-9.662	0.417000
HETATM10298	H2	WAT	2329	3.911	-25.245	-9.405	0.417000
HETATM10299	O	WAT	2330	-9.849	24.872	-3.864	-0.834000
HETATM10300	H1	WAT	2330	-9.830	25.828	-3.838	0.417000
HETATM10301	H2	WAT	2330	-9.295	24.602	-3.131	0.417000
HETATM10302	O	WAT	2331	-20.149	11.854	-12.257	-0.834000
HETATM10303	H1	WAT	2331	-20.582	12.664	-12.526	0.417000
HETATM10304	H2	WAT	2331	-20.758	11.161	-12.510	0.417000
HETATM10305	O	WAT	2332	3.259	33.600	-3.023	-0.834000
HETATM10306	H1	WAT	2332	2.768	34.007	-3.737	0.417000
HETATM10307	H2	WAT	2332	3.115	32.661	-3.140	0.417000
HETATM10308	O	WAT	2333	2.993	12.938	24.003	-0.834000
HETATM10309	H1	WAT	2333	3.586	13.544	23.560	0.417000
HETATM10310	H2	WAT	2333	2.492	13.489	24.605	0.417000
HETATM10311	O	WAT	2334	7.565	23.552	-11.990	-0.834000
HETATM10312	H1	WAT	2334	7.341	22.978	-11.258	0.417000
HETATM10313	H2	WAT	2334	8.013	24.294	-11.584	0.417000
HETATM10314	O	WAT	2335	-12.161	1.587	-15.611	-0.834000
HETATM10315	H1	WAT	2335	-12.689	0.823	-15.380	0.417000
HETATM10316	H2	WAT	2335	-11.736	1.344	-16.434	0.417000
HETATM10317	O	WAT	2336	-10.383	16.494	-0.023	-0.834000
HETATM10318	H1	WAT	2336	-11.060	15.817	-0.037	0.417000
HETATM10319	H2	WAT	2336	-10.477	16.909	0.834	0.417000
HETATM10320	O	WAT	2337	-18.988	15.627	-13.744	-0.834000
HETATM10321	H1	WAT	2337	-19.667	15.017	-13.455	0.417000
HETATM10322	H2	WAT	2337	-19.462	16.432	-13.953	0.417000
HETATM10323	O	WAT	2338	14.234	22.711	-12.704	-0.834000
HETATM10324	H1	WAT	2338	14.215	23.467	-13.291	0.417000
HETATM10325	H2	WAT	2338	13.791	23.011	-11.911	0.417000
HETATM10326	O	WAT	2339	5.475	-21.729	-19.442	-0.834000
HETATM10327	H1	WAT	2339	5.924	-21.817	-20.283	0.417000
HETATM10328	H2	WAT	2339	6.091	-21.245	-18.892	0.417000
HETATM10329	O	WAT	2340	-23.460	10.793	19.191	-0.834000
HETATM10330	H1	WAT	2340	-23.736	11.218	20.003	0.417000
HETATM10331	H2	WAT	2340	-22.590	11.150	19.016	0.417000
HETATM10332	O	WAT	2341	13.268	14.523	21.184	-0.834000
HETATM10333	H1	WAT	2341	13.920	15.200	21.004	0.417000
HETATM10334	H2	WAT	2341	13.743	13.699	21.079	0.417000
HETATM10335	O	WAT	2342	22.215	-3.119	6.545	-0.834000
HETATM10336	H1	WAT	2342	21.741	-3.875	6.893	0.417000
HETATM10337	H2	WAT	2342	22.381	-3.341	5.629	0.417000
HETATM10338	O	WAT	2343	-31.219	-1.026	-4.078	-0.834000
HETATM10339	H1	WAT	2343	-30.402	-0.799	-3.634	0.417000
HETATM10340	H2	WAT	2343	-31.672	-0.190	-4.188	0.417000
HETATM10341	O	WAT	2344	-3.167	-0.871	27.519	-0.834000
HETATM10342	H1	WAT	2344	-4.106	-0.798	27.347	0.417000
HETATM10343	H2	WAT	2344	-2.812	-0.016	27.276	0.417000
HETATM10344	O	WAT	2345	19.104	-15.685	18.291	-0.834000
HETATM10345	H1	WAT	2345	19.246	-16.632	18.282	0.417000
HETATM10346	H2	WAT	2345	18.640	-15.521	19.112	0.417000
HETATM10347	O	WAT	2346	21.334	-9.552	-12.629	-0.834000
HETATM10348	H1	WAT	2346	20.857	-9.744	-11.822	0.417000
HETATM10349	H2	WAT	2346	22.192	-9.957	-12.502	0.417000
HETATM10350	O	WAT	2347	7.320	-5.044	28.489	-0.834000
HETATM10351	H1	WAT	2347	7.746	-5.272	27.662	0.417000
HETATM10352	H2	WAT	2347	8.004	-4.612	29.000	0.417000
HETATM10353	O	WAT	2348	-30.633	-0.885	-9.471	-0.834000
HETATM10354	H1	WAT	2348	-29.756	-0.774	-9.105	0.417000
HETATM10355	H2	WAT	2348	-30.604	-0.422	-10.308	0.417000
HETATM10356	O	WAT	2349	-18.967	7.758	19.361	-0.834000
HETATM10357	H1	WAT	2349	-19.226	8.627	19.667	0.417000

HETATM10358	H2	WAT	2349	-18.675	7.897	18.460	0.417000
HETATM10359	O	WAT	2350	-25.891	14.857	11.876	-0.834000
HETATM10360	H1	WAT	2350	-26.480	15.551	11.581	0.417000
HETATM10361	H2	WAT	2350	-25.747	14.318	11.099	0.417000
HETATM10362	O	WAT	2351	-18.843	-9.579	-3.883	-0.834000
HETATM10363	H1	WAT	2351	-18.413	-8.844	-4.322	0.417000
HETATM10364	H2	WAT	2351	-19.433	-9.168	-3.252	0.417000
HETATM10365	O	WAT	2352	-26.556	8.976	-2.440	-0.834000
HETATM10366	H1	WAT	2352	-25.830	8.671	-1.896	0.417000
HETATM10367	H2	WAT	2352	-26.290	8.765	-3.335	0.417000
HETATM10368	O	WAT	2353	0.477	-18.821	21.671	-0.834000
HETATM10369	H1	WAT	2353	0.607	-18.805	20.722	0.417000
HETATM10370	H2	WAT	2353	-0.334	-19.315	21.792	0.417000
HETATM10371	O	WAT	2354	-24.538	8.308	19.055	-0.834000
HETATM10372	H1	WAT	2354	-24.139	9.173	19.152	0.417000
HETATM10373	H2	WAT	2354	-23.897	7.805	18.552	0.417000
HETATM10374	O	WAT	2355	-6.624	-31.222	-5.655	-0.834000
HETATM10375	H1	WAT	2355	-5.709	-31.112	-5.397	0.417000
HETATM10376	H2	WAT	2355	-6.647	-32.069	-6.101	0.417000
HETATM10377	O	WAT	2356	-8.853	-21.222	15.680	-0.834000
HETATM10378	H1	WAT	2356	-8.472	-20.911	16.501	0.417000
HETATM10379	H2	WAT	2356	-8.750	-22.173	15.714	0.417000
HETATM10380	O	WAT	2357	-3.589	-28.271	-15.559	-0.834000
HETATM10381	H1	WAT	2357	-3.299	-27.394	-15.808	0.417000
HETATM10382	H2	WAT	2357	-3.003	-28.861	-16.032	0.417000
HETATM10383	O	WAT	2358	5.046	19.305	-23.025	-0.834000
HETATM10384	H1	WAT	2358	4.552	18.490	-23.114	0.417000
HETATM10385	H2	WAT	2358	5.107	19.647	-23.917	0.417000
HETATM10386	O	WAT	2359	17.264	0.711	25.013	-0.834000
HETATM10387	H1	WAT	2359	17.009	1.125	24.189	0.417000
HETATM10388	H2	WAT	2359	17.315	-0.222	24.806	0.417000
HETATM10389	O	WAT	2360	11.441	27.322	12.639	-0.834000
HETATM10390	H1	WAT	2360	10.724	27.825	13.026	0.417000
HETATM10391	H2	WAT	2360	12.062	27.985	12.336	0.417000
HETATM10392	O	WAT	2361	2.873	26.938	9.649	-0.834000
HETATM10393	H1	WAT	2361	2.615	26.421	8.886	0.417000
HETATM10394	H2	WAT	2361	3.633	27.439	9.353	0.417000
HETATM10395	O	WAT	2362	-10.063	32.440	7.512	-0.834000
HETATM10396	H1	WAT	2362	-9.819	32.748	8.385	0.417000
HETATM10397	H2	WAT	2362	-9.974	33.212	6.953	0.417000
HETATM10398	O	WAT	2363	17.499	-20.498	9.900	-0.834000
HETATM10399	H1	WAT	2363	18.110	-20.160	10.555	0.417000
HETATM10400	H2	WAT	2363	17.777	-20.091	9.080	0.417000
HETATM10401	O	WAT	2364	28.327	11.123	-7.460	-0.834000
HETATM10402	H1	WAT	2364	28.335	10.172	-7.568	0.417000
HETATM10403	H2	WAT	2364	27.983	11.454	-8.290	0.417000
HETATM10404	O	WAT	2365	6.154	-2.844	22.483	-0.834000
HETATM10405	H1	WAT	2365	6.750	-2.096	22.521	0.417000
HETATM10406	H2	WAT	2365	5.280	-2.453	22.452	0.417000
HETATM10407	O	WAT	2366	-12.695	-30.255	-5.794	-0.834000
HETATM10408	H1	WAT	2366	-12.044	-30.003	-5.138	0.417000
HETATM10409	H2	WAT	2366	-13.535	-30.164	-5.345	0.417000
HETATM10410	O	WAT	2367	-19.596	-7.462	-15.602	-0.834000
HETATM10411	H1	WAT	2367	-18.810	-6.926	-15.496	0.417000
HETATM10412	H2	WAT	2367	-19.359	-8.105	-16.271	0.417000
HETATM10413	O	WAT	2368	0.052	31.192	-4.459	-0.834000
HETATM10414	H1	WAT	2368	-0.410	30.380	-4.247	0.417000
HETATM10415	H2	WAT	2368	-0.270	31.430	-5.329	0.417000
HETATM10416	O	WAT	2369	-13.188	-20.905	-18.241	-0.834000
HETATM10417	H1	WAT	2369	-13.054	-21.341	-17.400	0.417000
HETATM10418	H2	WAT	2369	-13.878	-21.414	-18.668	0.417000
HETATM10419	O	WAT	2370	21.926	18.110	3.515	-0.834000
HETATM10420	H1	WAT	2370	21.638	18.415	4.376	0.417000
HETATM10421	H2	WAT	2370	21.981	17.159	3.604	0.417000
HETATM10422	O	WAT	2371	2.761	-5.993	18.658	-0.834000
HETATM10423	H1	WAT	2371	3.497	-5.955	18.048	0.417000
HETATM10424	H2	WAT	2371	3.105	-6.458	19.421	0.417000
HETATM10425	O	WAT	2372	7.553	22.880	10.214	-0.834000
HETATM10426	H1	WAT	2372	8.488	22.730	10.352	0.417000
HETATM10427	H2	WAT	2372	7.125	22.137	10.640	0.417000

HETATM10428	O	WAT	2373	21.890	22.398	2.536	-0.834000
HETATM10429	H1	WAT	2373	21.814	23.235	2.077	0.417000
HETATM10430	H2	WAT	2373	21.401	21.781	1.991	0.417000
HETATM10431	O	WAT	2374	-15.134	-12.324	-22.926	-0.834000
HETATM10432	H1	WAT	2374	-15.161	-12.938	-23.660	0.417000
HETATM10433	H2	WAT	2374	-15.683	-11.591	-23.206	0.417000
HETATM10434	O	WAT	2375	-23.316	23.238	4.860	-0.834000
HETATM10435	H1	WAT	2375	-23.535	24.018	5.369	0.417000
HETATM10436	H2	WAT	2375	-23.797	23.345	4.039	0.417000
HETATM10437	O	WAT	2376	2.428	10.726	-33.227	-0.834000
HETATM10438	H1	WAT	2376	2.981	10.514	-32.475	0.417000
HETATM10439	H2	WAT	2376	2.164	9.875	-33.578	0.417000
HETATM10440	O	WAT	2377	-4.813	8.445	-13.802	-0.834000
HETATM10441	H1	WAT	2377	-5.294	7.620	-13.737	0.417000
HETATM10442	H2	WAT	2377	-4.959	8.738	-14.701	0.417000
HETATM10443	O	WAT	2378	10.219	21.231	7.838	-0.834000
HETATM10444	H1	WAT	2378	10.209	21.642	8.702	0.417000
HETATM10445	H2	WAT	2378	10.847	21.749	7.334	0.417000
HETATM10446	O	WAT	2379	21.611	6.312	-26.006	-0.834000
HETATM10447	H1	WAT	2379	21.916	6.907	-26.691	0.417000
HETATM10448	H2	WAT	2379	21.517	5.468	-26.447	0.417000
HETATM10449	O	WAT	2380	6.916	24.042	-15.334	-0.834000
HETATM10450	H1	WAT	2380	6.300	24.730	-15.081	0.417000
HETATM10451	H2	WAT	2380	7.769	24.368	-15.048	0.417000
HETATM10452	O	WAT	2381	-13.737	-23.973	13.792	-0.834000
HETATM10453	H1	WAT	2381	-14.666	-23.929	14.016	0.417000
HETATM10454	H2	WAT	2381	-13.334	-24.431	14.530	0.417000
HETATM10455	O	WAT	2382	-22.002	15.459	22.393	-0.834000
HETATM10456	H1	WAT	2382	-21.660	16.282	22.743	0.417000
HETATM10457	H2	WAT	2382	-22.814	15.706	21.949	0.417000
HETATM10458	O	WAT	2383	25.875	-0.976	7.963	-0.834000
HETATM10459	H1	WAT	2383	25.199	-0.322	8.135	0.417000
HETATM10460	H2	WAT	2383	26.234	-0.733	7.110	0.417000
HETATM10461	O	WAT	2384	1.404	-27.585	-16.336	-0.834000
HETATM10462	H1	WAT	2384	2.320	-27.842	-16.434	0.417000
HETATM10463	H2	WAT	2384	1.023	-27.719	-17.204	0.417000
HETATM10464	O	WAT	2385	26.381	0.120	5.477	-0.834000
HETATM10465	H1	WAT	2385	26.515	1.068	5.502	0.417000
HETATM10466	H2	WAT	2385	25.572	0.006	4.978	0.417000
HETATM10467	O	WAT	2386	28.147	12.449	8.411	-0.834000
HETATM10468	H1	WAT	2386	27.760	12.428	7.535	0.417000
HETATM10469	H2	WAT	2386	27.592	11.868	8.931	0.417000
HETATM10470	O	WAT	2387	-4.368	22.056	-11.822	-0.834000
HETATM10471	H1	WAT	2387	-3.895	22.882	-11.922	0.417000
HETATM10472	H2	WAT	2387	-3.877	21.578	-11.154	0.417000
HETATM10473	O	WAT	2388	25.650	12.265	-20.388	-0.834000
HETATM10474	H1	WAT	2388	26.600	12.197	-20.299	0.417000
HETATM10475	H2	WAT	2388	25.393	11.459	-20.836	0.417000
HETATM10476	O	WAT	2389	3.904	16.451	24.427	-0.834000
HETATM10477	H1	WAT	2389	4.139	15.930	23.659	0.417000
HETATM10478	H2	WAT	2389	4.742	16.675	24.830	0.417000
HETATM10479	O	WAT	2390	2.231	28.147	-1.768	-0.834000
HETATM10480	H1	WAT	2390	2.066	29.017	-1.404	0.417000
HETATM10481	H2	WAT	2390	3.077	28.228	-2.207	0.417000
HETATM10482	O	WAT	2391	-8.517	16.680	-26.344	-0.834000
HETATM10483	H1	WAT	2391	-7.633	16.490	-26.658	0.417000
HETATM10484	H2	WAT	2391	-8.398	16.923	-25.426	0.417000
HETATM10485	O	WAT	2392	-26.327	-8.222	0.163	-0.834000
HETATM10486	H1	WAT	2392	-25.551	-7.662	0.153	0.417000
HETATM10487	H2	WAT	2392	-26.378	-8.576	-0.724	0.417000
HETATM10488	O	WAT	2393	30.215	3.020	6.717	-0.834000
HETATM10489	H1	WAT	2393	29.623	3.432	6.087	0.417000
HETATM10490	H2	WAT	2393	30.715	3.748	7.087	0.417000
HETATM10491	O	WAT	2394	8.547	25.391	7.343	-0.834000
HETATM10492	H1	WAT	2394	7.906	24.710	7.548	0.417000
HETATM10493	H2	WAT	2394	9.178	24.960	6.767	0.417000
HETATM10494	O	WAT	2395	5.025	-17.182	-29.360	-0.834000
HETATM10495	H1	WAT	2395	5.332	-16.829	-30.195	0.417000
HETATM10496	H2	WAT	2395	4.841	-16.408	-28.827	0.417000
HETATM10497	O	WAT	2396	-21.086	-0.979	-20.996	-0.834000

HETATM10498	H1	WAT	2396	-20.802	-0.550	-21.804	0.417000
HETATM10499	H2	WAT	2396	-21.858	-0.485	-20.721	0.417000
HETATM10500	O	WAT	2397	26.796	-13.463	-12.677	-0.834000
HETATM10501	H1	WAT	2397	26.904	-14.234	-13.234	0.417000
HETATM10502	H2	WAT	2397	26.189	-12.902	-13.160	0.417000
HETATM10503	O	WAT	2398	-11.611	29.698	-11.689	-0.834000
HETATM10504	H1	WAT	2398	-12.138	28.962	-11.379	0.417000
HETATM10505	H2	WAT	2398	-12.208	30.207	-12.236	0.417000
HETATM10506	O	WAT	2399	-27.797	-12.526	14.517	-0.834000
HETATM10507	H1	WAT	2399	-26.967	-12.984	14.644	0.417000
HETATM10508	H2	WAT	2399	-27.632	-11.637	14.833	0.417000
HETATM10509	O	WAT	2400	-24.201	11.860	21.591	-0.834000
HETATM10510	H1	WAT	2400	-24.501	11.061	22.025	0.417000
HETATM10511	H2	WAT	2400	-23.593	12.257	22.213	0.417000
HETATM10512	O	WAT	2401	-24.194	-6.569	0.134	-0.834000
HETATM10513	H1	WAT	2401	-24.071	-6.250	-0.760	0.417000
HETATM10514	H2	WAT	2401	-24.299	-5.776	0.659	0.417000
HETATM10515	O	WAT	2402	-3.043	22.512	-18.219	-0.834000
HETATM10516	H1	WAT	2402	-3.138	21.624	-17.875	0.417000
HETATM10517	H2	WAT	2402	-2.586	22.990	-17.527	0.417000
HETATM10518	O	WAT	2403	20.379	-1.637	-19.684	-0.834000
HETATM10519	H1	WAT	2403	21.102	-1.319	-19.144	0.417000
HETATM10520	H2	WAT	2403	19.598	-1.246	-19.293	0.417000
HETATM10521	O	WAT	2404	-15.726	7.738	-23.509	-0.834000
HETATM10522	H1	WAT	2404	-15.006	8.329	-23.732	0.417000
HETATM10523	H2	WAT	2404	-15.905	7.262	-24.320	0.417000
HETATM10524	O	WAT	2405	-0.875	14.150	26.151	-0.834000
HETATM10525	H1	WAT	2405	-1.118	14.770	26.838	0.417000
HETATM10526	H2	WAT	2405	-0.044	14.483	25.811	0.417000
HETATM10527	O	WAT	2406	-9.413	-11.216	-31.397	-0.834000
HETATM10528	H1	WAT	2406	-9.468	-11.325	-30.448	0.417000
HETATM10529	H2	WAT	2406	-9.084	-12.056	-31.716	0.417000
HETATM10530	O	WAT	2407	28.828	-4.853	-6.357	-0.834000
HETATM10531	H1	WAT	2407	29.538	-4.504	-5.818	0.417000
HETATM10532	H2	WAT	2407	28.139	-5.077	-5.731	0.417000
HETATM10533	O	WAT	2408	9.611	15.453	12.986	-0.834000
HETATM10534	H1	WAT	2408	9.579	14.912	12.197	0.417000
HETATM10535	H2	WAT	2408	9.612	14.824	13.708	0.417000
HETATM10536	O	WAT	2409	29.269	-1.880	-19.196	-0.834000
HETATM10537	H1	WAT	2409	30.139	-1.932	-19.592	0.417000
HETATM10538	H2	WAT	2409	28.910	-2.762	-19.290	0.417000
HETATM10539	O	WAT	2410	16.542	18.893	-22.599	-0.834000
HETATM10540	H1	WAT	2410	17.161	18.758	-23.316	0.417000
HETATM10541	H2	WAT	2410	17.094	19.045	-21.832	0.417000
HETATM10542	O	WAT	2411	-25.490	-5.344	21.447	-0.834000
HETATM10543	H1	WAT	2411	-25.466	-4.447	21.114	0.417000
HETATM10544	H2	WAT	2411	-26.104	-5.310	22.180	0.417000
HETATM10545	O	WAT	2412	15.836	-6.634	22.917	-0.834000
HETATM10546	H1	WAT	2412	15.184	-5.963	22.714	0.417000
HETATM10547	H2	WAT	2412	16.675	-6.226	22.701	0.417000
HETATM10548	O	WAT	2413	0.328	31.757	14.472	-0.834000
HETATM10549	H1	WAT	2413	0.089	32.352	13.761	0.417000
HETATM10550	H2	WAT	2413	0.455	30.911	14.044	0.417000
HETATM10551	O	WAT	2414	-7.592	-27.352	18.753	-0.834000
HETATM10552	H1	WAT	2414	-7.215	-26.857	18.026	0.417000
HETATM10553	H2	WAT	2414	-8.538	-27.245	18.651	0.417000
HETATM10554	O	WAT	2415	-0.661	11.427	26.067	-0.834000
HETATM10555	H1	WAT	2415	-0.145	11.243	26.853	0.417000
HETATM10556	H2	WAT	2415	-0.774	12.377	26.073	0.417000
HETATM10557	O	WAT	2416	-0.496	-8.311	26.763	-0.834000
HETATM10558	H1	WAT	2416	0.239	-8.923	26.793	0.417000
HETATM10559	H2	WAT	2416	-0.207	-7.620	26.167	0.417000
HETATM10560	O	WAT	2417	-4.963	-18.339	9.400	-0.834000
HETATM10561	H1	WAT	2417	-4.633	-17.510	9.054	0.417000
HETATM10562	H2	WAT	2417	-5.763	-18.505	8.902	0.417000
HETATM10563	O	WAT	2418	-10.395	32.456	-3.801	-0.834000
HETATM10564	H1	WAT	2418	-10.272	32.852	-2.939	0.417000
HETATM10565	H2	WAT	2418	-10.613	33.192	-4.374	0.417000
HETATM10566	O	WAT	2419	-30.912	0.889	13.049	-0.834000
HETATM10567	H1	WAT	2419	-30.104	1.216	12.653	0.417000

HETATM10568	H2	WAT	2419	-30.617	0.314	13.755	0.417000
HETATM10569	O	WAT	2420	-10.245	-18.176	-10.025	-0.834000
HETATM10570	H1	WAT	2420	-9.467	-18.441	-9.535	0.417000
HETATM10571	H2	WAT	2420	-10.617	-17.457	-9.514	0.417000
HETATM10572	O	WAT	2421	-19.438	3.059	-19.633	-0.834000
HETATM10573	H1	WAT	2421	-18.915	3.852	-19.759	0.417000
HETATM10574	H2	WAT	2421	-18.823	2.422	-19.271	0.417000
HETATM10575	O	WAT	2422	-18.344	-14.198	-10.417	-0.834000
HETATM10576	H1	WAT	2422	-18.506	-14.297	-11.355	0.417000
HETATM10577	H2	WAT	2422	-18.558	-13.283	-10.232	0.417000
HETATM10578	O	WAT	2423	16.191	28.691	-1.992	-0.834000
HETATM10579	H1	WAT	2423	16.759	28.793	-2.756	0.417000
HETATM10580	H2	WAT	2423	16.407	29.437	-1.432	0.417000
HETATM10581	O	WAT	2424	11.287	-21.112	22.931	-0.834000
HETATM10582	H1	WAT	2424	11.132	-21.287	22.002	0.417000
HETATM10583	H2	WAT	2424	11.868	-20.352	22.937	0.417000
HETATM10584	O	WAT	2425	-0.484	9.068	29.861	-0.834000
HETATM10585	H1	WAT	2425	0.039	9.160	30.658	0.417000
HETATM10586	H2	WAT	2425	-0.762	8.152	29.862	0.417000
HETATM10587	O	WAT	2426	0.327	26.556	16.295	-0.834000
HETATM10588	H1	WAT	2426	-0.158	26.717	17.104	0.417000
HETATM10589	H2	WAT	2426	1.175	26.977	16.436	0.417000
HETATM10590	O	WAT	2427	21.069	1.149	24.123	-0.834000
HETATM10591	H1	WAT	2427	20.760	1.984	24.476	0.417000
HETATM10592	H2	WAT	2427	21.596	0.772	24.828	0.417000
HETATM10593	O	WAT	2428	1.687	14.535	-8.138	-0.834000
HETATM10594	H1	WAT	2428	2.257	14.466	-8.904	0.417000
HETATM10595	H2	WAT	2428	1.651	13.645	-7.786	0.417000
HETATM10596	O	WAT	2429	-5.445	-20.442	3.801	-0.834000
HETATM10597	H1	WAT	2429	-5.297	-21.283	3.368	0.417000
HETATM10598	H2	WAT	2429	-5.074	-19.795	3.201	0.417000
HETATM10599	O	WAT	2430	-13.955	-15.728	24.243	-0.834000
HETATM10600	H1	WAT	2430	-14.007	-16.342	24.975	0.417000
HETATM10601	H2	WAT	2430	-13.928	-16.285	23.465	0.417000
HETATM10602	O	WAT	2431	-23.110	-15.924	-0.694	-0.834000
HETATM10603	H1	WAT	2431	-22.911	-16.330	-1.538	0.417000
HETATM10604	H2	WAT	2431	-23.401	-16.650	-0.142	0.417000
HETATM10605	O	WAT	2432	21.887	9.112	16.772	-0.834000
HETATM10606	H1	WAT	2432	21.646	8.523	16.057	0.417000
HETATM10607	H2	WAT	2432	22.703	8.749	17.116	0.417000
HETATM10608	O	WAT	2433	-1.362	10.512	-18.076	-0.834000
HETATM10609	H1	WAT	2433	-1.161	11.329	-17.620	0.417000
HETATM10610	H2	WAT	2433	-0.820	10.538	-18.864	0.417000
HETATM10611	O	WAT	2434	-9.236	-32.820	-7.695	-0.834000
HETATM10612	H1	WAT	2434	-9.165	-31.871	-7.592	0.417000
HETATM10613	H2	WAT	2434	-8.364	-33.150	-7.481	0.417000
HETATM10614	O	WAT	2435	16.858	21.780	-19.802	-0.834000
HETATM10615	H1	WAT	2435	17.262	20.940	-20.018	0.417000
HETATM10616	H2	WAT	2435	16.933	21.844	-18.850	0.417000
HETATM10617	O	WAT	2436	-4.502	-11.480	27.670	-0.834000
HETATM10618	H1	WAT	2436	-3.606	-11.194	27.496	0.417000
HETATM10619	H2	WAT	2436	-4.487	-12.425	27.515	0.417000
HETATM10620	O	WAT	2437	-20.276	-27.376	1.686	-0.834000
HETATM10621	H1	WAT	2437	-19.692	-26.653	1.915	0.417000
HETATM10622	H2	WAT	2437	-21.096	-26.952	1.434	0.417000
HETATM10623	O	WAT	2438	10.081	1.968	17.543	-0.834000
HETATM10624	H1	WAT	2438	10.625	1.244	17.233	0.417000
HETATM10625	H2	WAT	2438	9.876	1.743	18.450	0.417000
HETATM10626	O	WAT	2439	19.805	16.067	0.655	-0.834000
HETATM10627	H1	WAT	2439	19.552	15.614	1.459	0.417000
HETATM10628	H2	WAT	2439	20.598	15.616	0.366	0.417000
HETATM10629	O	WAT	2440	3.949	-24.320	-16.768	-0.834000
HETATM10630	H1	WAT	2440	3.139	-24.567	-17.214	0.417000
HETATM10631	H2	WAT	2440	3.743	-23.489	-16.341	0.417000
HETATM10632	O	WAT	2441	6.184	20.754	11.296	-0.834000
HETATM10633	H1	WAT	2441	5.980	20.016	10.722	0.417000
HETATM10634	H2	WAT	2441	5.330	21.117	11.531	0.417000
HETATM10635	O	WAT	2442	3.011	18.455	-29.812	-0.834000
HETATM10636	H1	WAT	2442	2.328	19.025	-29.461	0.417000
HETATM10637	H2	WAT	2442	2.552	17.649	-30.049	0.417000

HETATM10638	O	WAT	2443	-5.132	28.831	18.037	-0.834000
HETATM10639	H1	WAT	2443	-5.199	27.997	18.503	0.417000
HETATM10640	H2	WAT	2443	-4.359	28.732	17.480	0.417000
HETATM10641	O	WAT	2444	-3.203	8.133	23.439	-0.834000
HETATM10642	H1	WAT	2444	-2.898	9.025	23.602	0.417000
HETATM10643	H2	WAT	2444	-3.815	8.218	22.708	0.417000
HETATM10644	O	WAT	2445	-25.628	16.676	3.746	-0.834000
HETATM10645	H1	WAT	2445	-25.918	17.463	4.206	0.417000
HETATM10646	H2	WAT	2445	-24.916	16.976	3.181	0.417000
HETATM10647	O	WAT	2446	-14.109	20.930	7.780	-0.834000
HETATM10648	H1	WAT	2446	-13.756	20.107	8.119	0.417000
HETATM10649	H2	WAT	2446	-13.988	21.555	8.494	0.417000
HETATM10650	O	WAT	2447	22.112	-9.522	26.023	-0.834000
HETATM10651	H1	WAT	2447	21.422	-9.097	25.514	0.417000
HETATM10652	H2	WAT	2447	21.646	-10.127	26.600	0.417000
HETATM10653	O	WAT	2448	-18.723	-11.473	-10.043	-0.834000
HETATM10654	H1	WAT	2448	-17.890	-11.083	-10.307	0.417000
HETATM10655	H2	WAT	2448	-19.381	-11.003	-10.556	0.417000
HETATM10656	O	WAT	2449	10.055	-19.093	18.750	-0.834000
HETATM10657	H1	WAT	2449	10.277	-18.205	18.470	0.417000
HETATM10658	H2	WAT	2449	9.172	-19.017	19.110	0.417000
HETATM10659	O	WAT	2450	4.258	24.251	21.937	-0.834000
HETATM10660	H1	WAT	2450	5.118	24.607	22.160	0.417000
HETATM10661	H2	WAT	2450	3.981	23.783	22.725	0.417000
HETATM10662	O	WAT	2451	5.812	5.458	-19.721	-0.834000
HETATM10663	H1	WAT	2451	6.138	4.573	-19.555	0.417000
HETATM10664	H2	WAT	2451	5.982	5.933	-18.908	0.417000
HETATM10665	O	WAT	2452	-20.995	-6.295	2.162	-0.834000
HETATM10666	H1	WAT	2452	-21.378	-6.546	3.002	0.417000
HETATM10667	H2	WAT	2452	-21.253	-5.381	2.044	0.417000
HETATM10668	O	WAT	2453	-9.641	0.042	-25.602	-0.834000
HETATM10669	H1	WAT	2453	-8.729	0.308	-25.485	0.417000
HETATM10670	H2	WAT	2453	-9.803	-0.578	-24.891	0.417000
HETATM10671	O	WAT	2454	-20.540	15.274	6.154	-0.834000
HETATM10672	H1	WAT	2454	-19.910	14.588	6.371	0.417000
HETATM10673	H2	WAT	2454	-21.366	14.808	6.022	0.417000
HETATM10674	O	WAT	2455	-22.018	-24.287	-1.021	-0.834000
HETATM10675	H1	WAT	2455	-21.246	-24.532	-1.532	0.417000
HETATM10676	H2	WAT	2455	-21.687	-23.668	-0.370	0.417000
HETATM10677	O	WAT	2456	23.501	-12.836	1.275	-0.834000
HETATM10678	H1	WAT	2456	24.075	-13.508	1.642	0.417000
HETATM10679	H2	WAT	2456	23.345	-13.120	0.375	0.417000
HETATM10680	O	WAT	2457	-18.713	19.622	-8.890	-0.834000
HETATM10681	H1	WAT	2457	-18.778	19.006	-9.620	0.417000
HETATM10682	H2	WAT	2457	-19.510	20.149	-8.948	0.417000
HETATM10683	O	WAT	2458	9.889	12.345	30.719	-0.834000
HETATM10684	H1	WAT	2458	10.548	12.658	31.339	0.417000
HETATM10685	H2	WAT	2458	9.064	12.396	31.202	0.417000
HETATM10686	O	WAT	2459	-2.527	21.042	-10.062	-0.834000
HETATM10687	H1	WAT	2459	-2.873	21.589	-9.358	0.417000
HETATM10688	H2	WAT	2459	-2.083	20.324	-9.611	0.417000
HETATM10689	O	WAT	2460	-2.633	-11.229	23.565	-0.834000
HETATM10690	H1	WAT	2460	-2.557	-12.180	23.631	0.417000
HETATM10691	H2	WAT	2460	-1.732	-10.922	23.471	0.417000
HETATM10692	O	WAT	2461	28.808	-7.324	-10.143	-0.834000
HETATM10693	H1	WAT	2461	28.428	-8.162	-10.407	0.417000
HETATM10694	H2	WAT	2461	28.884	-7.383	-9.191	0.417000
HETATM10695	O	WAT	2462	-17.945	26.739	8.742	-0.834000
HETATM10696	H1	WAT	2462	-18.502	27.032	8.022	0.417000
HETATM10697	H2	WAT	2462	-17.445	26.009	8.377	0.417000
HETATM10698	O	WAT	2463	-30.283	9.405	-11.005	-0.834000
HETATM10699	H1	WAT	2463	-29.387	9.069	-11.033	0.417000
HETATM10700	H2	WAT	2463	-30.241	10.151	-10.407	0.417000
HETATM10701	O	WAT	2464	9.679	-2.451	13.030	-0.834000
HETATM10702	H1	WAT	2464	9.773	-3.156	12.389	0.417000
HETATM10703	H2	WAT	2464	8.851	-2.029	12.802	0.417000
HETATM10704	O	WAT	2465	5.659	-21.123	18.574	-0.834000
HETATM10705	H1	WAT	2465	5.820	-21.240	17.637	0.417000
HETATM10706	H2	WAT	2465	5.838	-21.982	18.956	0.417000
HETATM10707	O	WAT	2466	28.190	12.675	2.111	-0.834000

HETATM10708	H1	WAT	2466	27.388	13.197	2.099	0.417000
HETATM10709	H2	WAT	2466	28.568	12.836	2.975	0.417000
HETATM10710	O	WAT	2467	21.356	-0.902	-5.481	-0.834000
HETATM10711	H1	WAT	2467	21.587	-1.817	-5.641	0.417000
HETATM10712	H2	WAT	2467	21.569	-0.760	-4.558	0.417000
HETATM10713	O	WAT	2468	-19.183	-19.101	19.464	-0.834000
HETATM10714	H1	WAT	2468	-18.824	-18.338	19.916	0.417000
HETATM10715	H2	WAT	2468	-19.433	-18.773	18.601	0.417000
HETATM10716	O	WAT	2469	10.295	10.803	13.491	-0.834000
HETATM10717	H1	WAT	2469	10.953	11.489	13.610	0.417000
HETATM10718	H2	WAT	2469	10.115	10.805	12.551	0.417000
HETATM10719	O	WAT	2470	27.618	-3.721	3.489	-0.834000
HETATM10720	H1	WAT	2470	26.900	-3.424	2.930	0.417000
HETATM10721	H2	WAT	2470	27.953	-2.920	3.893	0.417000
HETATM10722	O	WAT	2471	-5.325	15.263	-10.593	-0.834000
HETATM10723	H1	WAT	2471	-4.909	14.530	-11.048	0.417000
HETATM10724	H2	WAT	2471	-4.707	15.494	-9.899	0.417000
HETATM10725	O	WAT	2472	18.860	6.201	14.449	-0.834000
HETATM10726	H1	WAT	2472	18.447	6.925	13.978	0.417000
HETATM10727	H2	WAT	2472	18.797	5.458	13.850	0.417000
HETATM10728	O	WAT	2473	-10.074	20.200	-20.104	-0.834000
HETATM10729	H1	WAT	2473	-9.331	20.451	-19.554	0.417000
HETATM10730	H2	WAT	2473	-10.678	20.940	-20.042	0.417000
HETATM10731	O	WAT	2474	15.134	-29.752	8.448	-0.834000
HETATM10732	H1	WAT	2474	14.546	-29.790	7.694	0.417000
HETATM10733	H2	WAT	2474	15.477	-30.642	8.530	0.417000
HETATM10734	O	WAT	2475	-26.195	-17.437	1.332	-0.834000
HETATM10735	H1	WAT	2475	-25.355	-17.789	1.037	0.417000
HETATM10736	H2	WAT	2475	-26.528	-18.092	1.945	0.417000
HETATM10737	O	WAT	2476	-23.239	-3.665	25.289	-0.834000
HETATM10738	H1	WAT	2476	-23.484	-3.364	26.164	0.417000
HETATM10739	H2	WAT	2476	-23.419	-4.605	25.300	0.417000
HETATM10740	O	WAT	2477	2.065	-13.849	-31.513	-0.834000
HETATM10741	H1	WAT	2477	2.078	-12.894	-31.454	0.417000
HETATM10742	H2	WAT	2477	2.636	-14.051	-32.255	0.417000
HETATM10743	O	WAT	2478	-1.046	-29.257	18.472	-0.834000
HETATM10744	H1	WAT	2478	-1.093	-28.617	19.182	0.417000
HETATM10745	H2	WAT	2478	-1.477	-30.036	18.823	0.417000
HETATM10746	O	WAT	2479	34.048	-2.623	4.458	-0.834000
HETATM10747	H1	WAT	2479	34.423	-3.038	5.235	0.417000
HETATM10748	H2	WAT	2479	33.297	-2.130	4.790	0.417000
HETATM10749	O	WAT	2480	4.066	-30.670	11.528	-0.834000
HETATM10750	H1	WAT	2480	3.176	-30.671	11.177	0.417000
HETATM10751	H2	WAT	2480	3.952	-30.799	12.470	0.417000
HETATM10752	O	WAT	2481	-9.787	15.951	-7.643	-0.834000
HETATM10753	H1	WAT	2481	-10.571	15.873	-7.098	0.417000
HETATM10754	H2	WAT	2481	-9.495	15.049	-7.772	0.417000
HETATM10755	O	WAT	2482	-22.395	-9.806	11.162	-0.834000
HETATM10756	H1	WAT	2482	-22.153	-9.412	12.000	0.417000
HETATM10757	H2	WAT	2482	-21.653	-10.368	10.939	0.417000
HETATM10758	O	WAT	2483	-12.080	15.328	-6.262	-0.834000
HETATM10759	H1	WAT	2483	-12.868	15.803	-6.524	0.417000
HETATM10760	H2	WAT	2483	-12.269	14.414	-6.477	0.417000
HETATM10761	O	WAT	2484	21.816	17.537	16.761	-0.834000
HETATM10762	H1	WAT	2484	21.118	17.107	16.266	0.417000
HETATM10763	H2	WAT	2484	22.380	17.924	16.091	0.417000
HETATM10764	O	WAT	2485	-13.300	-21.321	13.482	-0.834000
HETATM10765	H1	WAT	2485	-12.708	-21.053	14.186	0.417000
HETATM10766	H2	WAT	2485	-13.453	-22.252	13.639	0.417000
HETATM10767	O	WAT	2486	5.526	21.127	-0.632	-0.834000
HETATM10768	H1	WAT	2486	4.754	21.178	-0.069	0.417000
HETATM10769	H2	WAT	2486	5.580	20.204	-0.881	0.417000
HETATM10770	O	WAT	2487	21.554	18.138	-14.993	-0.834000
HETATM10771	H1	WAT	2487	21.242	18.313	-15.881	0.417000
HETATM10772	H2	WAT	2487	22.362	18.646	-14.920	0.417000
HETATM10773	O	WAT	2488	30.546	11.253	-3.644	-0.834000
HETATM10774	H1	WAT	2488	31.422	10.979	-3.372	0.417000
HETATM10775	H2	WAT	2488	30.632	11.436	-4.580	0.417000
HETATM10776	O	WAT	2489	-22.450	18.540	-18.669	-0.834000
HETATM10777	H1	WAT	2489	-21.810	18.546	-19.382	0.417000

HETATM10778	H2	WAT	2489	-22.677	17.616	-18.559	0.417000
HETATM10779	O	WAT	2490	-9.099	-18.201	-23.535	-0.834000
HETATM10780	H1	WAT	2490	-9.241	-18.570	-24.407	0.417000
HETATM10781	H2	WAT	2490	-8.942	-18.961	-22.976	0.417000
HETATM10782	O	WAT	2491	-27.844	-13.316	-15.419	-0.834000
HETATM10783	H1	WAT	2491	-28.173	-12.594	-14.883	0.417000
HETATM10784	H2	WAT	2491	-28.500	-13.419	-16.109	0.417000
HETATM10785	O	WAT	2492	22.356	-19.779	-8.314	-0.834000
HETATM10786	H1	WAT	2492	22.204	-18.936	-8.741	0.417000
HETATM10787	H2	WAT	2492	22.898	-20.267	-8.935	0.417000
HETATM10788	O	WAT	2493	29.507	-15.069	5.244	-0.834000
HETATM10789	H1	WAT	2493	29.754	-14.172	5.018	0.417000
HETATM10790	H2	WAT	2493	28.770	-14.970	5.847	0.417000
HETATM10791	O	WAT	2494	-30.390	10.754	-13.434	-0.834000
HETATM10792	H1	WAT	2494	-29.937	11.531	-13.106	0.417000
HETATM10793	H2	WAT	2494	-30.450	10.174	-12.675	0.417000
HETATM10794	O	WAT	2495	-8.150	-3.064	31.348	-0.834000
HETATM10795	H1	WAT	2495	-8.481	-3.274	30.475	0.417000
HETATM10796	H2	WAT	2495	-8.762	-2.410	31.685	0.417000
HETATM10797	O	WAT	2496	8.438	-32.033	4.490	-0.834000
HETATM10798	H1	WAT	2496	8.834	-32.546	5.194	0.417000
HETATM10799	H2	WAT	2496	7.703	-31.582	4.906	0.417000
HETATM10800	O	WAT	2497	-10.774	-26.903	-4.055	-0.834000
HETATM10801	H1	WAT	2497	-10.432	-26.391	-4.788	0.417000
HETATM10802	H2	WAT	2497	-11.723	-26.886	-4.173	0.417000
HETATM10803	O	WAT	2498	13.828	24.595	-18.480	-0.834000
HETATM10804	H1	WAT	2498	13.330	24.025	-19.066	0.417000
HETATM10805	H2	WAT	2498	14.149	24.011	-17.793	0.417000
HETATM10806	O	WAT	2499	-29.575	4.553	18.341	-0.834000
HETATM10807	H1	WAT	2499	-29.457	5.482	18.144	0.417000
HETATM10808	H2	WAT	2499	-29.743	4.147	17.490	0.417000
HETATM10809	O	WAT	2500	11.565	19.274	-10.708	-0.834000
HETATM10810	H1	WAT	2500	11.069	18.892	-11.432	0.417000
HETATM10811	H2	WAT	2500	11.512	20.218	-10.854	0.417000
HETATM10812	O	WAT	2501	-25.164	-3.268	-11.483	-0.834000
HETATM10813	H1	WAT	2501	-24.413	-2.727	-11.237	0.417000
HETATM10814	H2	WAT	2501	-25.718	-2.685	-12.002	0.417000
HETATM10815	O	WAT	2502	-23.017	-25.447	3.492	-0.834000
HETATM10816	H1	WAT	2502	-22.808	-25.794	2.625	0.417000
HETATM10817	H2	WAT	2502	-22.462	-24.672	3.581	0.417000
HETATM10818	O	WAT	2503	-2.699	-20.736	-4.643	-0.834000
HETATM10819	H1	WAT	2503	-2.089	-21.234	-4.099	0.417000
HETATM10820	H2	WAT	2503	-2.563	-19.825	-4.382	0.417000
HETATM10821	O	WAT	2504	26.356	0.740	-3.358	-0.834000
HETATM10822	H1	WAT	2504	25.762	1.482	-3.246	0.417000
HETATM10823	H2	WAT	2504	26.883	0.732	-2.559	0.417000
HETATM10824	O	WAT	2505	-25.625	-2.654	20.906	-0.834000
HETATM10825	H1	WAT	2505	-26.449	-2.196	21.075	0.417000
HETATM10826	H2	WAT	2505	-25.063	-2.414	21.643	0.417000
HETATM10827	O	WAT	2506	13.813	-26.085	9.084	-0.834000
HETATM10828	H1	WAT	2506	13.410	-26.512	8.328	0.417000
HETATM10829	H2	WAT	2506	13.181	-26.204	9.793	0.417000
HETATM10830	O	WAT	2507	3.462	23.195	-23.127	-0.834000
HETATM10831	H1	WAT	2507	3.125	22.635	-23.827	0.417000
HETATM10832	H2	WAT	2507	2.734	23.780	-22.917	0.417000
HETATM10833	O	WAT	2508	15.249	17.573	-1.212	-0.834000
HETATM10834	H1	WAT	2508	15.130	18.124	-0.438	0.417000
HETATM10835	H2	WAT	2508	16.125	17.201	-1.109	0.417000
HETATM10836	O	WAT	2509	-24.867	14.178	4.448	-0.834000
HETATM10837	H1	WAT	2509	-24.713	13.858	3.558	0.417000
HETATM10838	H2	WAT	2509	-25.129	15.091	4.332	0.417000
HETATM10839	O	WAT	2510	-25.308	-13.751	14.816	-0.834000
HETATM10840	H1	WAT	2510	-25.003	-14.036	13.955	0.417000
HETATM10841	H2	WAT	2510	-24.507	-13.615	15.322	0.417000
HETATM10842	O	WAT	2511	-2.635	10.730	-9.977	-0.834000
HETATM10843	H1	WAT	2511	-3.326	10.493	-10.596	0.417000
HETATM10844	H2	WAT	2511	-2.267	11.541	-10.327	0.417000
HETATM10845	O	WAT	2512	15.795	2.423	26.610	-0.834000
HETATM10846	H1	WAT	2512	16.374	1.811	26.155	0.417000
HETATM10847	H2	WAT	2512	14.946	2.311	26.182	0.417000

HETATM10848	O	WAT	2513	2.701	15.013	-1.794	-0.834000
HETATM10849	H1	WAT	2513	2.555	15.197	-0.866	0.417000
HETATM10850	H2	WAT	2513	3.576	14.626	-1.826	0.417000
HETATM10851	O	WAT	2514	3.185	-33.241	7.262	-0.834000
HETATM10852	H1	WAT	2514	3.048	-32.872	6.389	0.417000
HETATM10853	H2	WAT	2514	3.295	-34.179	7.111	0.417000
HETATM10854	O	WAT	2515	6.677	10.661	-12.614	-0.834000
HETATM10855	H1	WAT	2515	7.395	10.196	-12.184	0.417000
HETATM10856	H2	WAT	2515	6.867	10.581	-13.549	0.417000
HETATM10857	O	WAT	2516	19.280	0.187	26.835	-0.834000
HETATM10858	H1	WAT	2516	19.453	1.001	27.308	0.417000
HETATM10859	H2	WAT	2516	18.593	0.416	26.209	0.417000
HETATM10860	O	WAT	2517	-3.990	13.286	-12.071	-0.834000
HETATM10861	H1	WAT	2517	-4.238	12.364	-12.147	0.417000
HETATM10862	H2	WAT	2517	-3.095	13.266	-11.735	0.417000
HETATM10863	O	WAT	2518	31.162	-6.187	-13.292	-0.834000
HETATM10864	H1	WAT	2518	31.808	-5.796	-13.880	0.417000
HETATM10865	H2	WAT	2518	30.440	-5.557	-13.277	0.417000
HETATM10866	O	WAT	2519	20.988	-5.145	13.673	-0.834000
HETATM10867	H1	WAT	2519	21.738	-5.074	14.264	0.417000
HETATM10868	H2	WAT	2519	20.903	-4.272	13.289	0.417000
HETATM10869	O	WAT	2520	22.706	10.861	-17.405	-0.834000
HETATM10870	H1	WAT	2520	21.809	10.992	-17.097	0.417000
HETATM10871	H2	WAT	2520	23.008	10.081	-16.939	0.417000
HETATM10872	O	WAT	2521	-5.586	3.744	24.329	-0.834000
HETATM10873	H1	WAT	2521	-5.511	4.697	24.267	0.417000
HETATM10874	H2	WAT	2521	-5.417	3.550	25.251	0.417000
HETATM10875	O	WAT	2522	6.506	-0.943	28.772	-0.834000
HETATM10876	H1	WAT	2522	6.251	-0.026	28.671	0.417000
HETATM10877	H2	WAT	2522	7.295	-1.033	28.239	0.417000
HETATM10878	O	WAT	2523	-14.602	20.969	-16.713	-0.834000
HETATM10879	H1	WAT	2523	-15.411	20.795	-16.231	0.417000
HETATM10880	H2	WAT	2523	-14.226	21.736	-16.281	0.417000
HETATM10881	O	WAT	2524	-30.109	-1.806	-15.329	-0.834000
HETATM10882	H1	WAT	2524	-29.438	-2.022	-15.976	0.417000
HETATM10883	H2	WAT	2524	-29.655	-1.263	-14.685	0.417000
HETATM10884	O	WAT	2525	-24.742	-23.682	-1.498	-0.834000
HETATM10885	H1	WAT	2525	-23.791	-23.784	-1.463	0.417000
HETATM10886	H2	WAT	2525	-24.965	-23.231	-0.684	0.417000
HETATM10887	O	WAT	2526	-3.932	24.128	19.411	-0.834000
HETATM10888	H1	WAT	2526	-3.713	24.168	18.480	0.417000
HETATM10889	H2	WAT	2526	-3.170	24.503	19.852	0.417000
HETATM10890	O	WAT	2527	15.865	8.181	-7.977	-0.834000
HETATM10891	H1	WAT	2527	16.699	7.724	-7.870	0.417000
HETATM10892	H2	WAT	2527	15.500	7.827	-8.788	0.417000
HETATM10893	O	WAT	2528	3.049	9.599	19.147	-0.834000
HETATM10894	H1	WAT	2528	2.875	9.678	18.209	0.417000
HETATM10895	H2	WAT	2528	3.831	9.050	19.200	0.417000
HETATM10896	O	WAT	2529	27.437	6.874	11.172	-0.834000
HETATM10897	H1	WAT	2529	28.003	6.103	11.133	0.417000
HETATM10898	H2	WAT	2529	27.618	7.345	10.359	0.417000
HETATM10899	O	WAT	2530	-5.349	6.493	24.211	-0.834000
HETATM10900	H1	WAT	2530	-4.530	6.957	24.035	0.417000
HETATM10901	H2	WAT	2530	-5.999	6.942	23.671	0.417000
HETATM10902	O	WAT	2531	18.107	29.270	-4.025	-0.834000
HETATM10903	H1	WAT	2531	18.818	28.653	-4.196	0.417000
HETATM10904	H2	WAT	2531	18.546	30.106	-3.873	0.417000
HETATM10905	O	WAT	2532	-10.670	15.816	-3.930	-0.834000
HETATM10906	H1	WAT	2532	-10.629	14.974	-3.476	0.417000
HETATM10907	H2	WAT	2532	-11.161	15.632	-4.731	0.417000
HETATM10908	O	WAT	2533	30.925	-8.925	-13.586	-0.834000
HETATM10909	H1	WAT	2533	30.909	-7.976	-13.462	0.417000
HETATM10910	H2	WAT	2533	30.161	-9.108	-14.132	0.417000
HETATM10911	O	WAT	2534	5.428	18.482	-1.293	-0.834000
HETATM10912	H1	WAT	2534	6.312	18.119	-1.355	0.417000
HETATM10913	H2	WAT	2534	5.071	18.394	-2.177	0.417000
HETATM10914	O	WAT	2535	-10.669	8.245	-14.162	-0.834000
HETATM10915	H1	WAT	2535	-11.264	7.632	-14.594	0.417000
HETATM10916	H2	WAT	2535	-10.908	8.200	-13.237	0.417000
HETATM10917	O	WAT	2536	-23.482	4.631	-3.710	-0.834000

HETATM10918	H1	WAT	2536	-23.358	5.502	-4.088	0.417000
HETATM10919	H2	WAT	2536	-22.829	4.085	-4.146	0.417000
HETATM10920	O	WAT	2537	21.080	-2.607	12.582	-0.834000
HETATM10921	H1	WAT	2537	20.940	-1.662	12.522	0.417000
HETATM10922	H2	WAT	2537	21.821	-2.777	12.001	0.417000
HETATM10923	O	WAT	2538	22.044	13.616	5.721	-0.834000
HETATM10924	H1	WAT	2538	21.179	13.578	6.128	0.417000
HETATM10925	H2	WAT	2538	22.386	12.726	5.802	0.417000
HETATM10926	O	WAT	2539	-4.233	-17.770	27.772	-0.834000
HETATM10927	H1	WAT	2539	-4.318	-18.276	26.964	0.417000
HETATM10928	H2	WAT	2539	-5.124	-17.480	27.968	0.417000
HETATM10929	O	WAT	2540	10.265	17.639	9.529	-0.834000
HETATM10930	H1	WAT	2540	10.726	18.198	10.155	0.417000
HETATM10931	H2	WAT	2540	10.819	16.863	9.449	0.417000
HETATM10932	O	WAT	2541	-11.623	-18.209	27.269	-0.834000
HETATM10933	H1	WAT	2541	-10.936	-18.378	26.624	0.417000
HETATM10934	H2	WAT	2541	-11.778	-19.058	27.682	0.417000
HETATM10935	O	WAT	2542	-6.746	-33.635	-6.875	-0.834000
HETATM10936	H1	WAT	2542	-6.558	-34.284	-6.197	0.417000
HETATM10937	H2	WAT	2542	-6.317	-33.978	-7.659	0.417000
HETATM10938	O	WAT	2543	7.920	-22.608	14.135	-0.834000
HETATM10939	H1	WAT	2543	8.661	-22.025	13.972	0.417000
HETATM10940	H2	WAT	2543	8.316	-23.470	14.265	0.417000
HETATM10941	O	WAT	2544	7.448	-1.400	-26.071	-0.834000
HETATM10942	H1	WAT	2544	8.231	-1.930	-26.216	0.417000
HETATM10943	H2	WAT	2544	6.805	-2.015	-25.718	0.417000
HETATM10944	O	WAT	2545	-18.859	-25.925	13.579	-0.834000
HETATM10945	H1	WAT	2545	-18.989	-25.381	14.356	0.417000
HETATM10946	H2	WAT	2545	-18.197	-26.564	13.843	0.417000
HETATM10947	O	WAT	2546	-26.253	3.652	-15.887	-0.834000
HETATM10948	H1	WAT	2546	-25.735	4.376	-15.537	0.417000
HETATM10949	H2	WAT	2546	-26.759	4.042	-16.600	0.417000
HETATM10950	O	WAT	2547	-14.187	18.762	19.628	-0.834000
HETATM10951	H1	WAT	2547	-13.772	18.152	19.018	0.417000
HETATM10952	H2	WAT	2547	-13.919	18.453	20.494	0.417000
HETATM10953	O	WAT	2548	15.418	3.368	-12.010	-0.834000
HETATM10954	H1	WAT	2548	15.932	3.342	-11.203	0.417000
HETATM10955	H2	WAT	2548	14.702	3.974	-11.819	0.417000
HETATM10956	O	WAT	2549	3.228	20.980	0.946	-0.834000
HETATM10957	H1	WAT	2549	3.669	21.503	1.615	0.417000
HETATM10958	H2	WAT	2549	2.807	20.273	1.433	0.417000
HETATM10959	O	WAT	2550	9.148	-18.593	12.830	-0.834000
HETATM10960	H1	WAT	2550	9.884	-17.986	12.911	0.417000
HETATM10961	H2	WAT	2550	8.386	-18.084	13.108	0.417000
HETATM10962	O	WAT	2551	-23.841	-13.317	-0.432	-0.834000
HETATM10963	H1	WAT	2551	-23.603	-13.123	0.475	0.417000
HETATM10964	H2	WAT	2551	-23.597	-14.234	-0.552	0.417000
HETATM10965	O	WAT	2552	20.288	-15.998	0.723	-0.834000
HETATM10966	H1	WAT	2552	19.708	-15.415	1.212	0.417000
HETATM10967	H2	WAT	2552	21.110	-15.985	1.214	0.417000
HETATM10968	O	WAT	2553	-28.523	2.591	7.660	-0.834000
HETATM10969	H1	WAT	2553	-28.484	2.601	6.704	0.417000
HETATM10970	H2	WAT	2553	-29.455	2.667	7.863	0.417000
HETATM10971	O	WAT	2554	-9.308	-13.076	-17.331	-0.834000
HETATM10972	H1	WAT	2554	-9.325	-12.239	-17.796	0.417000
HETATM10973	H2	WAT	2554	-8.464	-13.463	-17.563	0.417000
HETATM10974	O	WAT	2555	3.818	9.659	-31.137	-0.834000
HETATM10975	H1	WAT	2555	3.768	10.005	-30.246	0.417000
HETATM10976	H2	WAT	2555	3.654	8.721	-31.039	0.417000
HETATM10977	O	WAT	2556	3.225	-8.513	-27.309	-0.834000
HETATM10978	H1	WAT	2556	2.676	-8.722	-26.554	0.417000
HETATM10979	H2	WAT	2556	4.065	-8.930	-27.118	0.417000
HETATM10980	O	WAT	2557	-17.534	-19.050	-13.857	-0.834000
HETATM10981	H1	WAT	2557	-17.119	-18.979	-14.716	0.417000
HETATM10982	H2	WAT	2557	-18.395	-18.647	-13.973	0.417000
HETATM10983	O	WAT	2558	1.071	25.836	23.872	-0.834000
HETATM10984	H1	WAT	2558	0.768	24.928	23.902	0.417000
HETATM10985	H2	WAT	2558	1.423	25.942	22.988	0.417000
HETATM10986	O	WAT	2559	10.020	-7.611	9.555	-0.834000
HETATM10987	H1	WAT	2559	9.829	-6.820	10.059	0.417000

HETATM10988	H2	WAT	2559	9.364	-7.616	8.858	0.417000
HETATM10989	O	WAT	2560	18.719	-1.795	-16.065	-0.834000
HETATM10990	H1	WAT	2560	18.627	-1.204	-16.812	0.417000
HETATM10991	H2	WAT	2560	19.215	-2.538	-16.408	0.417000
HETATM10992	O	WAT	2561	-30.699	11.680	3.485	-0.834000
HETATM10993	H1	WAT	2561	-30.812	10.869	2.990	0.417000
HETATM10994	H2	WAT	2561	-31.042	11.478	4.356	0.417000
HETATM10995	O	WAT	2562	-26.477	-9.278	-2.403	-0.834000
HETATM10996	H1	WAT	2562	-25.612	-9.427	-2.784	0.417000
HETATM10997	H2	WAT	2562	-27.051	-9.143	-3.157	0.417000
HETATM10998	O	WAT	2563	23.957	4.814	-9.985	-0.834000
HETATM10999	H1	WAT	2563	24.478	4.116	-9.589	0.417000
HETATM11000	H2	WAT	2563	24.564	5.260	-10.575	0.417000
HETATM11001	O	WAT	2564	-13.304	-8.542	-24.946	-0.834000
HETATM11002	H1	WAT	2564	-13.315	-7.715	-25.427	0.417000
HETATM11003	H2	WAT	2564	-14.069	-8.497	-24.373	0.417000
HETATM11004	O	WAT	2565	-2.764	28.709	16.582	-0.834000
HETATM11005	H1	WAT	2565	-2.512	28.299	15.754	0.417000
HETATM11006	H2	WAT	2565	-2.425	29.602	16.519	0.417000
HETATM11007	O	WAT	2566	-9.527	13.022	-24.813	-0.834000
HETATM11008	H1	WAT	2566	-9.153	12.160	-24.994	0.417000
HETATM11009	H2	WAT	2566	-9.583	13.443	-25.670	0.417000
HETATM11010	O	WAT	2567	-9.415	-25.496	-2.089	-0.834000
HETATM11011	H1	WAT	2567	-9.777	-24.624	-2.245	0.417000
HETATM11012	H2	WAT	2567	-9.845	-26.053	-2.737	0.417000
HETATM11013	O	WAT	2568	-6.821	-11.521	12.548	-0.834000
HETATM11014	H1	WAT	2568	-6.587	-12.387	12.214	0.417000
HETATM11015	H2	WAT	2568	-6.114	-11.298	13.152	0.417000
HETATM11016	O	WAT	2569	4.085	-0.869	-33.713	-0.834000
HETATM11017	H1	WAT	2569	4.114	-1.800	-33.930	0.417000
HETATM11018	H2	WAT	2569	3.569	-0.474	-34.416	0.417000
HETATM11019	O	WAT	2570	-1.791	-11.002	27.429	-0.834000
HETATM11020	H1	WAT	2570	-1.444	-11.847	27.141	0.417000
HETATM11021	H2	WAT	2570	-1.269	-10.355	26.953	0.417000
HETATM11022	O	WAT	2571	7.377	-13.932	-30.053	-0.834000
HETATM11023	H1	WAT	2571	7.492	-14.233	-29.151	0.417000
HETATM11024	H2	WAT	2571	8.265	-13.905	-30.410	0.417000
HETATM11025	O	WAT	2572	-20.893	8.708	-15.229	-0.834000
HETATM11026	H1	WAT	2572	-21.326	9.127	-14.485	0.417000
HETATM11027	H2	WAT	2572	-19.959	8.769	-15.029	0.417000
HETATM11028	O	WAT	2573	17.201	4.568	27.556	-0.834000
HETATM11029	H1	WAT	2573	16.708	3.867	27.128	0.417000
HETATM11030	H2	WAT	2573	16.586	4.945	28.184	0.417000
HETATM11031	O	WAT	2574	-15.878	9.916	-6.784	-0.834000
HETATM11032	H1	WAT	2574	-15.534	10.776	-7.025	0.417000
HETATM11033	H2	WAT	2574	-16.824	9.994	-6.908	0.417000
HETATM11034	O	WAT	2575	14.161	-20.891	-10.721	-0.834000
HETATM11035	H1	WAT	2575	13.644	-20.215	-11.159	0.417000
HETATM11036	H2	WAT	2575	15.053	-20.542	-10.710	0.417000
HETATM11037	O	WAT	2576	-1.575	-5.243	-20.865	-0.834000
HETATM11038	H1	WAT	2576	-0.665	-5.369	-20.599	0.417000
HETATM11039	H2	WAT	2576	-1.520	-4.738	-21.676	0.417000
HETATM11040	O	WAT	2577	12.344	2.060	14.018	-0.834000
HETATM11041	H1	WAT	2577	11.921	1.201	14.011	0.417000
HETATM11042	H2	WAT	2577	11.620	2.684	14.050	0.417000
HETATM11043	O	WAT	2578	-13.824	17.126	24.772	-0.834000
HETATM11044	H1	WAT	2578	-14.268	16.305	24.986	0.417000
HETATM11045	H2	WAT	2578	-13.012	17.098	25.277	0.417000
HETATM11046	O	WAT	2579	13.160	-23.963	3.829	-0.834000
HETATM11047	H1	WAT	2579	12.751	-23.587	4.609	0.417000
HETATM11048	H2	WAT	2579	13.544	-24.785	4.133	0.417000
HETATM11049	O	WAT	2580	6.140	0.309	-27.781	-0.834000
HETATM11050	H1	WAT	2580	6.561	-0.311	-27.186	0.417000
HETATM11051	H2	WAT	2580	6.809	0.501	-28.438	0.417000
HETATM11052	O	WAT	2581	14.493	-23.494	9.422	-0.834000
HETATM11053	H1	WAT	2581	14.250	-24.408	9.272	0.417000
HETATM11054	H2	WAT	2581	14.005	-23.005	8.760	0.417000
HETATM11055	O	WAT	2582	-27.959	-8.223	13.393	-0.834000
HETATM11056	H1	WAT	2582	-27.723	-8.946	13.974	0.417000
HETATM11057	H2	WAT	2582	-28.231	-8.649	12.580	0.417000

HETATM11058	O	WAT	2583	26.131	6.064	2.827	-0.834000
HETATM11059	H1	WAT	2583	26.642	5.781	2.069	0.417000
HETATM11060	H2	WAT	2583	26.654	6.763	3.220	0.417000
HETATM11061	O	WAT	2584	15.942	-1.767	28.359	-0.834000
HETATM11062	H1	WAT	2584	16.875	-1.962	28.279	0.417000
HETATM11063	H2	WAT	2584	15.594	-1.894	27.477	0.417000
HETATM11064	O	WAT	2585	-19.123	21.063	-17.186	-0.834000
HETATM11065	H1	WAT	2585	-19.847	20.493	-16.926	0.417000
HETATM11066	H2	WAT	2585	-19.274	21.877	-16.706	0.417000
HETATM11067	O	WAT	2586	-18.337	-27.584	-2.273	-0.834000
HETATM11068	H1	WAT	2586	-17.483	-28.016	-2.254	0.417000
HETATM11069	H2	WAT	2586	-18.867	-28.074	-1.643	0.417000
HETATM11070	O	WAT	2587	-29.639	4.269	10.714	-0.834000
HETATM11071	H1	WAT	2587	-29.145	5.067	10.527	0.417000
HETATM11072	H2	WAT	2587	-30.348	4.555	11.291	0.417000
HETATM11073	O	WAT	2588	8.165	-29.004	12.391	-0.834000
HETATM11074	H1	WAT	2588	9.008	-28.914	11.945	0.417000
HETATM11075	H2	WAT	2588	7.854	-29.874	12.140	0.417000
HETATM11076	O	WAT	2589	1.377	-15.055	18.903	-0.834000
HETATM11077	H1	WAT	2589	2.031	-15.728	18.714	0.417000
HETATM11078	H2	WAT	2589	1.318	-14.545	18.095	0.417000
HETATM11079	O	WAT	2590	6.962	10.594	-15.344	-0.834000
HETATM11080	H1	WAT	2590	6.379	10.049	-15.873	0.417000
HETATM11081	H2	WAT	2590	6.680	11.491	-15.524	0.417000
HETATM11082	O	WAT	2591	-16.286	-2.833	25.960	-0.834000
HETATM11083	H1	WAT	2591	-16.513	-2.897	26.888	0.417000
HETATM11084	H2	WAT	2591	-15.579	-3.468	25.843	0.417000
HETATM11085	O	WAT	2592	-26.773	4.463	8.686	-0.834000
HETATM11086	H1	WAT	2592	-26.364	4.092	9.467	0.417000
HETATM11087	H2	WAT	2592	-27.344	3.767	8.360	0.417000
HETATM11088	O	WAT	2593	23.967	-21.150	-10.058	-0.834000
HETATM11089	H1	WAT	2593	23.575	-21.320	-10.915	0.417000
HETATM11090	H2	WAT	2593	23.914	-21.989	-9.600	0.417000
HETATM11091	O	WAT	2594	24.305	21.736	-10.002	-0.834000
HETATM11092	H1	WAT	2594	24.877	21.052	-9.654	0.417000
HETATM11093	H2	WAT	2594	23.429	21.493	-9.700	0.417000
HETATM11094	O	WAT	2595	-3.870	-32.529	-9.437	-0.834000
HETATM11095	H1	WAT	2595	-4.319	-31.683	-9.428	0.417000
HETATM11096	H2	WAT	2595	-4.576	-33.175	-9.411	0.417000
HETATM11097	O	WAT	2596	16.592	-21.516	-18.471	-0.834000
HETATM11098	H1	WAT	2596	16.898	-22.359	-18.137	0.417000
HETATM11099	H2	WAT	2596	17.207	-21.299	-19.173	0.417000
HETATM11100	O	WAT	2597	-7.592	-19.990	28.786	-0.834000
HETATM11101	H1	WAT	2597	-8.160	-19.375	29.250	0.417000
HETATM11102	H2	WAT	2597	-7.502	-19.619	27.909	0.417000
HETATM11103	O	WAT	2598	14.051	14.119	10.293	-0.834000
HETATM11104	H1	WAT	2598	14.947	14.138	9.955	0.417000
HETATM11105	H2	WAT	2598	13.760	13.218	10.149	0.417000
HETATM11106	O	WAT	2599	31.014	-7.144	11.393	-0.834000
HETATM11107	H1	WAT	2599	30.425	-6.694	11.998	0.417000
HETATM11108	H2	WAT	2599	31.818	-6.626	11.411	0.417000
HETATM11109	O	WAT	2600	-22.577	-6.024	12.273	-0.834000
HETATM11110	H1	WAT	2600	-23.218	-6.530	11.774	0.417000
HETATM11111	H2	WAT	2600	-23.102	-5.410	12.785	0.417000
HETATM11112	O	WAT	2601	-9.168	-12.592	19.886	-0.834000
HETATM11113	H1	WAT	2601	-9.233	-12.127	20.720	0.417000
HETATM11114	H2	WAT	2601	-8.266	-12.910	19.859	0.417000
HETATM11115	O	WAT	2602	26.803	15.871	11.070	-0.834000
HETATM11116	H1	WAT	2602	27.534	15.513	10.565	0.417000
HETATM11117	H2	WAT	2602	27.169	16.640	11.507	0.417000
HETATM11118	O	WAT	2603	18.801	7.001	4.463	-0.834000
HETATM11119	H1	WAT	2603	18.485	7.507	3.714	0.417000
HETATM11120	H2	WAT	2603	19.535	6.493	4.116	0.417000
HETATM11121	O	WAT	2604	7.211	-18.994	15.515	-0.834000
HETATM11122	H1	WAT	2604	6.675	-19.773	15.667	0.417000
HETATM11123	H2	WAT	2604	6.862	-18.618	14.707	0.417000
HETATM11124	O	WAT	2605	-6.926	-17.686	22.921	-0.834000
HETATM11125	H1	WAT	2605	-6.192	-17.429	22.362	0.417000
HETATM11126	H2	WAT	2605	-7.702	-17.378	22.454	0.417000
HETATM11127	O	WAT	2606	12.041	-10.152	27.592	-0.834000

HETATM11128	H1	WAT	2606	11.897	-11.097	27.552	0.417000
HETATM11129	H2	WAT	2606	11.259	-9.808	28.024	0.417000
HETATM11130	O	WAT	2607	-6.961	-20.447	22.361	-0.834000
HETATM11131	H1	WAT	2607	-6.943	-19.523	22.610	0.417000
HETATM11132	H2	WAT	2607	-6.318	-20.518	21.655	0.417000
HETATM11133	O	WAT	2608	-14.147	-17.418	22.103	-0.834000
HETATM11134	H1	WAT	2608	-15.021	-17.611	22.443	0.417000
HETATM11135	H2	WAT	2608	-14.270	-17.339	21.157	0.417000
HETATM11136	O	WAT	2609	15.825	-18.401	12.882	-0.834000
HETATM11137	H1	WAT	2609	16.573	-18.381	13.479	0.417000
HETATM11138	H2	WAT	2609	15.059	-18.384	13.457	0.417000
HETATM11139	O	WAT	2610	10.110	-24.842	4.557	-0.834000
HETATM11140	H1	WAT	2610	10.812	-24.319	4.942	0.417000
HETATM11141	H2	WAT	2610	9.869	-25.464	5.244	0.417000
HETATM11142	O	WAT	2611	22.904	5.501	-23.747	-0.834000
HETATM11143	H1	WAT	2611	22.502	5.844	-24.545	0.417000
HETATM11144	H2	WAT	2611	23.111	4.590	-23.956	0.417000
HETATM11145	O	WAT	2612	-0.839	-8.749	-33.466	-0.834000
HETATM11146	H1	WAT	2612	-0.698	-9.696	-33.457	0.417000
HETATM11147	H2	WAT	2612	-0.641	-8.470	-32.572	0.417000
HETATM11148	O	WAT	2613	-21.823	-20.164	-8.512	-0.834000
HETATM11149	H1	WAT	2613	-21.631	-19.429	-9.094	0.417000
HETATM11150	H2	WAT	2613	-20.969	-20.429	-8.171	0.417000
HETATM11151	O	WAT	2614	25.968	9.311	0.710	-0.834000
HETATM11152	H1	WAT	2614	26.797	9.450	1.168	0.417000
HETATM11153	H2	WAT	2614	25.772	10.158	0.309	0.417000
HETATM11154	O	WAT	2615	-13.479	23.274	-15.613	-0.834000
HETATM11155	H1	WAT	2615	-12.536	23.216	-15.770	0.417000
HETATM11156	H2	WAT	2615	-13.553	23.625	-14.726	0.417000
HETATM11157	O	WAT	2616	-30.239	10.740	8.932	-0.834000
HETATM11158	H1	WAT	2616	-30.154	9.841	9.249	0.417000
HETATM11159	H2	WAT	2616	-29.434	10.896	8.438	0.417000
HETATM11160	O	WAT	2617	-29.820	-0.437	15.269	-0.834000
HETATM11161	H1	WAT	2617	-28.877	-0.568	15.176	0.417000
HETATM11162	H2	WAT	2617	-29.915	0.053	16.086	0.417000
HETATM11163	O	WAT	2618	30.450	16.705	0.834	-0.834000
HETATM11164	H1	WAT	2618	30.299	16.949	1.747	0.417000
HETATM11165	H2	WAT	2618	30.344	15.753	0.821	0.417000
HETATM11166	O	WAT	2619	-21.287	19.610	-16.392	-0.834000
HETATM11167	H1	WAT	2619	-21.901	20.223	-15.987	0.417000
HETATM11168	H2	WAT	2619	-21.760	19.265	-17.150	0.417000
HETATM11169	O	WAT	2620	-16.016	-26.655	-13.946	-0.834000
HETATM11170	H1	WAT	2620	-16.016	-26.170	-14.771	0.417000
HETATM11171	H2	WAT	2620	-15.688	-27.523	-14.178	0.417000
HETATM11172	O	WAT	2621	0.125	24.385	14.562	-0.834000
HETATM11173	H1	WAT	2621	0.145	25.174	15.103	0.417000
HETATM11174	H2	WAT	2621	-0.802	24.152	14.513	0.417000
HETATM11175	O	WAT	2622	-6.065	21.051	27.466	-0.834000
HETATM11176	H1	WAT	2622	-6.836	21.192	26.917	0.417000
HETATM11177	H2	WAT	2622	-5.900	20.110	27.409	0.417000
HETATM11178	O	WAT	2623	28.918	-14.128	-4.931	-0.834000
HETATM11179	H1	WAT	2623	29.005	-15.010	-5.292	0.417000
HETATM11180	H2	WAT	2623	29.634	-14.056	-4.300	0.417000
HETATM11181	O	WAT	2624	-2.145	-17.901	-4.563	-0.834000
HETATM11182	H1	WAT	2624	-2.218	-16.973	-4.343	0.417000
HETATM11183	H2	WAT	2624	-1.252	-18.137	-4.311	0.417000
HETATM11184	O	WAT	2625	4.779	22.889	19.628	-0.834000
HETATM11185	H1	WAT	2625	4.509	23.404	20.388	0.417000
HETATM11186	H2	WAT	2625	4.414	23.360	18.878	0.417000
HETATM11187	O	WAT	2626	6.202	18.529	27.885	-0.834000
HETATM11188	H1	WAT	2626	6.911	18.647	28.517	0.417000
HETATM11189	H2	WAT	2626	5.807	19.397	27.802	0.417000
HETATM11190	O	WAT	2627	-19.559	1.463	20.606	-0.834000
HETATM11191	H1	WAT	2627	-18.940	1.840	21.231	0.417000
HETATM11192	H2	WAT	2627	-20.420	1.709	20.945	0.417000
HETATM11193	O	WAT	2628	-28.667	-0.077	4.277	-0.834000
HETATM11194	H1	WAT	2628	-28.685	-0.481	5.144	0.417000
HETATM11195	H2	WAT	2628	-29.588	-0.026	4.018	0.417000
HETATM11196	O	WAT	2629	31.543	2.041	-4.108	-0.834000
HETATM11197	H1	WAT	2629	31.335	2.421	-4.962	0.417000

HETATM11198	H2	WAT	2629	30.786	2.252	-3.561	0.417000
HETATM11199	O	WAT	2630	-26.794	2.257	-11.349	-0.834000
HETATM11200	H1	WAT	2630	-26.185	1.519	-11.361	0.417000
HETATM11201	H2	WAT	2630	-27.102	2.329	-12.252	0.417000
HETATM11202	O	WAT	2631	25.596	4.156	-0.699	-0.834000
HETATM11203	H1	WAT	2631	25.372	3.534	-1.392	0.417000
HETATM11204	H2	WAT	2631	25.099	3.855	0.062	0.417000
HETATM11205	O	WAT	2632	32.956	10.665	-2.482	-0.834000
HETATM11206	H1	WAT	2632	32.958	11.048	-1.605	0.417000
HETATM11207	H2	WAT	2632	33.721	11.047	-2.913	0.417000
HETATM11208	O	WAT	2633	-32.681	-12.133	-4.481	-0.834000
HETATM11209	H1	WAT	2633	-32.683	-11.195	-4.668	0.417000
HETATM11210	H2	WAT	2633	-33.229	-12.223	-3.701	0.417000
HETATM11211	O	WAT	2634	18.133	-23.766	6.457	-0.834000
HETATM11212	H1	WAT	2634	17.670	-23.626	7.283	0.417000
HETATM11213	H2	WAT	2634	17.641	-24.464	6.023	0.417000
HETATM11214	O	WAT	2635	18.696	25.086	0.673	-0.834000
HETATM11215	H1	WAT	2635	18.010	25.586	1.115	0.417000
HETATM11216	H2	WAT	2635	18.430	24.172	0.775	0.417000
HETATM11217	O	WAT	2636	13.895	-2.208	23.158	-0.834000
HETATM11218	H1	WAT	2636	14.221	-1.522	22.575	0.417000
HETATM11219	H2	WAT	2636	13.011	-1.924	23.391	0.417000
HETATM11220	O	WAT	2637	26.170	-20.881	2.362	-0.834000
HETATM11221	H1	WAT	2637	26.446	-19.992	2.582	0.417000
HETATM11222	H2	WAT	2637	25.457	-20.763	1.734	0.417000
HETATM11223	O	WAT	2638	5.293	28.384	-8.049	-0.834000
HETATM11224	H1	WAT	2638	5.182	27.902	-8.869	0.417000
HETATM11225	H2	WAT	2638	4.480	28.880	-7.951	0.417000
HETATM11226	O	WAT	2639	21.116	19.249	5.880	-0.834000
HETATM11227	H1	WAT	2639	21.812	19.447	6.506	0.417000
HETATM11228	H2	WAT	2639	20.889	20.097	5.498	0.417000
HETATM11229	O	WAT	2640	-7.025	23.649	22.233	-0.834000
HETATM11230	H1	WAT	2640	-7.803	24.093	21.894	0.417000
HETATM11231	H2	WAT	2640	-6.616	24.293	22.813	0.417000
HETATM11232	O	WAT	2641	22.307	-10.680	-23.655	-0.834000
HETATM11233	H1	WAT	2641	21.942	-10.996	-22.829	0.417000
HETATM11234	H2	WAT	2641	21.662	-10.050	-23.977	0.417000
HETATM11235	O	WAT	2642	26.794	1.517	-18.764	-0.834000
HETATM11236	H1	WAT	2642	26.872	2.338	-18.278	0.417000
HETATM11237	H2	WAT	2642	27.660	1.385	-19.150	0.417000
HETATM11238	O	WAT	2643	-18.109	-14.679	-24.743	-0.834000
HETATM11239	H1	WAT	2643	-18.333	-14.418	-23.850	0.417000
HETATM11240	H2	WAT	2643	-18.514	-15.540	-24.849	0.417000
HETATM11241	O	WAT	2644	-19.682	7.403	-20.938	-0.834000
HETATM11242	H1	WAT	2644	-19.515	8.185	-20.412	0.417000
HETATM11243	H2	WAT	2644	-20.515	7.582	-21.375	0.417000
HETATM11244	O	WAT	2645	-1.736	19.518	24.943	-0.834000
HETATM11245	H1	WAT	2645	-2.493	19.916	24.514	0.417000
HETATM11246	H2	WAT	2645	-1.464	20.163	25.597	0.417000
HETATM11247	O	WAT	2646	10.865	-21.242	20.242	-0.834000
HETATM11248	H1	WAT	2646	11.515	-21.682	19.694	0.417000
HETATM11249	H2	WAT	2646	10.645	-20.445	19.760	0.417000
HETATM11250	O	WAT	2647	-4.318	34.578	-1.990	-0.834000
HETATM11251	H1	WAT	2647	-5.186	34.951	-2.145	0.417000
HETATM11252	H2	WAT	2647	-3.937	35.132	-1.310	0.417000
HETATM11253	O	WAT	2648	2.744	-21.991	-19.825	-0.834000
HETATM11254	H1	WAT	2648	2.659	-22.897	-20.123	0.417000
HETATM11255	H2	WAT	2648	3.664	-21.906	-19.576	0.417000
HETATM11256	O	WAT	2649	19.280	19.869	19.760	-0.834000
HETATM11257	H1	WAT	2649	19.498	20.694	20.195	0.417000
HETATM11258	H2	WAT	2649	18.351	19.950	19.545	0.417000
HETATM11259	O	WAT	2650	18.510	15.325	10.708	-0.834000
HETATM11260	H1	WAT	2650	18.312	16.144	11.162	0.417000
HETATM11261	H2	WAT	2650	19.143	14.884	11.274	0.417000
HETATM11262	O	WAT	2651	-5.590	24.746	-9.245	-0.834000
HETATM11263	H1	WAT	2651	-5.950	25.417	-9.824	0.417000
HETATM11264	H2	WAT	2651	-6.359	24.330	-8.854	0.417000
HETATM11265	O	WAT	2652	15.038	-20.264	11.089	-0.834000
HETATM11266	H1	WAT	2652	15.836	-20.389	10.574	0.417000
HETATM11267	H2	WAT	2652	15.266	-19.584	11.723	0.417000

HETATM11268	O	WAT	2653	-23.340	-17.271	17.927	-0.834000
HETATM11269	H1	WAT	2653	-24.039	-17.617	17.373	0.417000
HETATM11270	H2	WAT	2653	-23.160	-17.974	18.552	0.417000
HETATM11271	O	WAT	2654	23.865	21.361	-12.786	-0.834000
HETATM11272	H1	WAT	2654	23.184	20.737	-12.534	0.417000
HETATM11273	H2	WAT	2654	24.253	21.640	-11.956	0.417000
HETATM11274	O	WAT	2655	4.710	31.883	11.544	-0.834000
HETATM11275	H1	WAT	2655	5.043	32.297	10.748	0.417000
HETATM11276	H2	WAT	2655	3.767	32.044	11.522	0.417000
HETATM11277	O	WAT	2656	-17.799	11.900	-16.659	-0.834000
HETATM11278	H1	WAT	2656	-17.871	11.925	-15.704	0.417000
HETATM11279	H2	WAT	2656	-17.621	10.982	-16.862	0.417000
HETATM11280	O	WAT	2657	1.645	32.618	2.846	-0.834000
HETATM11281	H1	WAT	2657	2.244	32.583	2.100	0.417000
HETATM11282	H2	WAT	2657	0.815	32.914	2.472	0.417000
HETATM11283	O	WAT	2658	-7.089	18.485	-15.689	-0.834000
HETATM11284	H1	WAT	2658	-7.870	18.775	-15.216	0.417000
HETATM11285	H2	WAT	2658	-6.707	19.291	-16.035	0.417000
HETATM11286	O	WAT	2659	-3.583	-16.039	8.739	-0.834000
HETATM11287	H1	WAT	2659	-2.665	-16.000	8.470	0.417000
HETATM11288	H2	WAT	2659	-4.042	-15.491	8.103	0.417000
HETATM11289	O	WAT	2660	10.816	-10.837	-25.043	-0.834000
HETATM11290	H1	WAT	2660	10.924	-10.277	-25.811	0.417000
HETATM11291	H2	WAT	2660	10.078	-11.405	-25.262	0.417000
HETATM11292	O	WAT	2661	8.620	-9.772	10.386	-0.834000
HETATM11293	H1	WAT	2661	9.212	-9.132	9.991	0.417000
HETATM11294	H2	WAT	2661	7.754	-9.368	10.323	0.417000
HETATM11295	O	WAT	2662	9.580	-30.877	-1.768	-0.834000
HETATM11296	H1	WAT	2662	9.489	-31.724	-1.332	0.417000
HETATM11297	H2	WAT	2662	8.697	-30.507	-1.761	0.417000
HETATM11298	O	WAT	2663	-26.295	6.604	-10.093	-0.834000
HETATM11299	H1	WAT	2663	-25.848	5.758	-10.073	0.417000
HETATM11300	H2	WAT	2663	-27.207	6.399	-9.886	0.417000
HETATM11301	O	WAT	2664	2.916	-18.452	26.466	-0.834000
HETATM11302	H1	WAT	2664	2.330	-19.208	26.443	0.417000
HETATM11303	H2	WAT	2664	3.548	-18.660	27.155	0.417000
HETATM11304	O	WAT	2665	14.186	28.023	9.961	-0.834000
HETATM11305	H1	WAT	2665	13.658	28.504	10.597	0.417000
HETATM11306	H2	WAT	2665	14.804	28.671	9.623	0.417000
HETATM11307	O	WAT	2666	27.765	0.689	-1.024	-0.834000
HETATM11308	H1	WAT	2666	27.501	-0.213	-0.843	0.417000
HETATM11309	H2	WAT	2666	27.863	1.088	-0.159	0.417000
HETATM11310	O	WAT	2667	-9.073	-14.468	-12.149	-0.834000
HETATM11311	H1	WAT	2667	-9.031	-15.423	-12.184	0.417000
HETATM11312	H2	WAT	2667	-8.195	-14.179	-12.397	0.417000
HETATM11313	O	WAT	2668	-14.630	27.500	11.717	-0.834000
HETATM11314	H1	WAT	2668	-14.524	28.248	11.129	0.417000
HETATM11315	H2	WAT	2668	-14.052	26.828	11.356	0.417000
HETATM11316	O	WAT	2669	7.673	13.012	-26.914	-0.834000
HETATM11317	H1	WAT	2669	7.911	13.581	-26.182	0.417000
HETATM11318	H2	WAT	2669	7.849	13.538	-27.693	0.417000
HETATM11319	O	WAT	2670	4.848	21.618	-21.327	-0.834000
HETATM11320	H1	WAT	2670	4.337	22.169	-21.919	0.417000
HETATM11321	H2	WAT	2670	4.980	20.803	-21.812	0.417000
HETATM11322	O	WAT	2671	-10.553	13.347	-2.596	-0.834000
HETATM11323	H1	WAT	2671	-10.902	12.969	-1.788	0.417000
HETATM11324	H2	WAT	2671	-10.911	12.797	-3.292	0.417000
HETATM11325	O	WAT	2672	32.575	8.615	-8.349	-0.834000
HETATM11326	H1	WAT	2672	32.376	9.549	-8.275	0.417000
HETATM11327	H2	WAT	2672	33.482	8.588	-8.654	0.417000
HETATM11328	O	WAT	2673	13.124	10.268	-21.073	-0.834000
HETATM11329	H1	WAT	2673	12.308	10.523	-20.644	0.417000
HETATM11330	H2	WAT	2673	12.902	10.222	-22.003	0.417000
HETATM11331	O	WAT	2674	17.023	19.465	-4.317	-0.834000
HETATM11332	H1	WAT	2674	17.151	20.414	-4.304	0.417000
HETATM11333	H2	WAT	2674	16.100	19.346	-4.092	0.417000
HETATM11334	O	WAT	2675	30.170	-1.825	15.838	-0.834000
HETATM11335	H1	WAT	2675	29.485	-2.309	16.299	0.417000
HETATM11336	H2	WAT	2675	29.876	-1.801	14.928	0.417000
HETATM11337	O	WAT	2676	0.147	16.356	7.096	-0.834000

HETATM11338	H1	WAT	2676	0.562	15.551	6.786	0.417000
HETATM11339	H2	WAT	2676	0.744	16.692	7.764	0.417000
HETATM11340	O	WAT	2677	18.030	13.187	4.736	-0.834000
HETATM11341	H1	WAT	2677	18.530	13.367	5.532	0.417000
HETATM11342	H2	WAT	2677	18.020	12.232	4.671	0.417000
HETATM11343	O	WAT	2678	-15.739	12.714	1.502	-0.834000
HETATM11344	H1	WAT	2678	-15.195	13.501	1.529	0.417000
HETATM11345	H2	WAT	2678	-15.245	12.064	2.001	0.417000
HETATM11346	O	WAT	2679	22.996	-19.487	12.874	-0.834000
HETATM11347	H1	WAT	2679	23.671	-19.846	13.449	0.417000
HETATM11348	H2	WAT	2679	22.332	-20.175	12.825	0.417000
HETATM11349	O	WAT	2680	-13.310	-23.398	-21.327	-0.834000
HETATM11350	H1	WAT	2680	-13.523	-24.181	-21.835	0.417000
HETATM11351	H2	WAT	2680	-12.355	-23.408	-21.261	0.417000
HETATM11352	O	WAT	2681	18.397	-9.861	17.278	-0.834000
HETATM11353	H1	WAT	2681	18.278	-10.311	16.442	0.417000
HETATM11354	H2	WAT	2681	18.999	-9.143	17.081	0.417000
HETATM11355	O	WAT	2682	20.967	-18.720	-2.363	-0.834000
HETATM11356	H1	WAT	2682	20.441	-19.280	-2.934	0.417000
HETATM11357	H2	WAT	2682	21.855	-18.788	-2.713	0.417000
HETATM11358	O	WAT	2683	-3.228	-20.262	28.840	-0.834000
HETATM11359	H1	WAT	2683	-3.957	-20.281	29.461	0.417000
HETATM11360	H2	WAT	2683	-3.216	-19.363	28.512	0.417000
HETATM11361	O	WAT	2684	-3.683	22.826	-8.314	-0.834000
HETATM11362	H1	WAT	2684	-2.960	23.334	-7.947	0.417000
HETATM11363	H2	WAT	2684	-4.286	23.483	-8.662	0.417000
HETATM11364	O	WAT	2685	5.156	23.148	26.048	-0.834000
HETATM11365	H1	WAT	2685	4.424	23.088	25.434	0.417000
HETATM11366	H2	WAT	2685	5.936	23.138	25.492	0.417000
HETATM11367	O	WAT	2686	-28.305	-10.693	1.583	-0.834000
HETATM11368	H1	WAT	2686	-27.785	-9.989	1.971	0.417000
HETATM11369	H2	WAT	2686	-29.166	-10.608	1.991	0.417000
HETATM11370	O	WAT	2687	12.912	-18.306	16.734	-0.834000
HETATM11371	H1	WAT	2687	13.601	-17.683	16.963	0.417000
HETATM11372	H2	WAT	2687	12.101	-17.879	17.012	0.417000
HETATM11373	O	WAT	2688	-27.824	11.015	7.486	-0.834000
HETATM11374	H1	WAT	2688	-27.540	11.772	6.975	0.417000
HETATM11375	H2	WAT	2688	-27.845	10.295	6.856	0.417000
HETATM11376	O	WAT	2689	-30.270	17.517	3.187	-0.834000
HETATM11377	H1	WAT	2689	-30.527	17.602	4.105	0.417000
HETATM11378	H2	WAT	2689	-29.576	16.858	3.192	0.417000
HETATM11379	O	WAT	2690	-28.087	7.327	0.999	-0.834000
HETATM11380	H1	WAT	2690	-28.421	7.368	0.103	0.417000
HETATM11381	H2	WAT	2690	-28.470	6.528	1.361	0.417000
HETATM11382	O	WAT	2691	10.119	2.189	-28.444	-0.834000
HETATM11383	H1	WAT	2691	9.671	2.929	-28.034	0.417000
HETATM11384	H2	WAT	2691	10.506	1.708	-27.713	0.417000
HETATM11385	O	WAT	2692	8.071	20.128	6.533	-0.834000
HETATM11386	H1	WAT	2692	7.889	20.845	5.925	0.417000
HETATM11387	H2	WAT	2692	8.777	20.459	7.089	0.417000
HETATM11388	O	WAT	2693	11.502	18.009	15.867	-0.834000
HETATM11389	H1	WAT	2693	12.150	18.713	15.843	0.417000
HETATM11390	H2	WAT	2693	10.798	18.351	16.418	0.417000
HETATM11391	O	WAT	2694	15.445	9.528	5.182	-0.834000
HETATM11392	H1	WAT	2694	14.890	9.252	4.452	0.417000
HETATM11393	H2	WAT	2694	14.855	10.007	5.764	0.417000
HETATM11394	O	WAT	2695	12.472	-21.735	2.156	-0.834000
HETATM11395	H1	WAT	2695	13.264	-21.254	2.396	0.417000
HETATM11396	H2	WAT	2695	12.521	-22.545	2.665	0.417000
HETATM11397	O	WAT	2696	14.087	16.820	24.770	-0.834000
HETATM11398	H1	WAT	2696	13.699	17.455	24.167	0.417000
HETATM11399	H2	WAT	2696	13.658	15.992	24.554	0.417000
HETATM11400	O	WAT	2697	-5.822	22.223	20.222	-0.834000
HETATM11401	H1	WAT	2697	-5.138	22.803	19.888	0.417000
HETATM11402	H2	WAT	2697	-6.213	22.709	20.949	0.417000
HETATM11403	O	WAT	2698	2.808	-4.883	24.610	-0.834000
HETATM11404	H1	WAT	2698	2.793	-4.604	23.695	0.417000
HETATM11405	H2	WAT	2698	3.223	-4.158	25.076	0.417000
HETATM11406	O	WAT	2699	5.888	32.134	-4.562	-0.834000
HETATM11407	H1	WAT	2699	5.887	33.043	-4.262	0.417000

HETATM11408	H2	WAT	2699	5.091	32.055	-5.087	0.417000
HETATM11409	O	WAT	2700	-31.888	7.047	8.082	-0.834000
HETATM11410	H1	WAT	2700	-32.796	7.341	8.147	0.417000
HETATM11411	H2	WAT	2700	-31.948	6.155	7.738	0.417000
HETATM11412	O	WAT	2701	-2.178	-7.386	19.696	-0.834000
HETATM11413	H1	WAT	2701	-1.940	-7.544	20.610	0.417000
HETATM11414	H2	WAT	2701	-1.692	-8.048	19.204	0.417000
HETATM11415	O	WAT	2702	-30.103	7.283	-15.617	-0.834000
HETATM11416	H1	WAT	2702	-30.135	8.150	-16.021	0.417000
HETATM11417	H2	WAT	2702	-29.433	7.360	-14.937	0.417000
HETATM11418	O	WAT	2703	20.777	-25.917	3.326	-0.834000
HETATM11419	H1	WAT	2703	19.872	-25.702	3.100	0.417000
HETATM11420	H2	WAT	2703	21.015	-26.618	2.718	0.417000
HETATM11421	O	WAT	2704	22.218	24.343	-7.829	-0.834000
HETATM11422	H1	WAT	2704	23.070	24.464	-7.409	0.417000
HETATM11423	H2	WAT	2704	21.872	23.539	-7.442	0.417000
HETATM11424	O	WAT	2705	-13.894	-2.169	27.999	-0.834000
HETATM11425	H1	WAT	2705	-14.772	-2.262	28.369	0.417000
HETATM11426	H2	WAT	2705	-13.836	-2.864	27.343	0.417000
HETATM11427	O	WAT	2706	-15.464	18.966	-22.696	-0.834000
HETATM11428	H1	WAT	2706	-15.819	19.545	-23.371	0.417000
HETATM11429	H2	WAT	2706	-15.876	19.264	-21.885	0.417000
HETATM11430	O	WAT	2707	14.843	-16.555	-24.782	-0.834000
HETATM11431	H1	WAT	2707	14.312	-17.107	-24.209	0.417000
HETATM11432	H2	WAT	2707	14.572	-16.797	-25.667	0.417000
HETATM11433	O	WAT	2708	-11.179	-26.765	11.369	-0.834000
HETATM11434	H1	WAT	2708	-11.141	-27.126	10.483	0.417000
HETATM11435	H2	WAT	2708	-11.799	-26.039	11.306	0.417000
HETATM11436	O	WAT	2709	10.599	-10.253	20.025	-0.834000
HETATM11437	H1	WAT	2709	11.034	-11.037	20.360	0.417000
HETATM11438	H2	WAT	2709	11.109	-10.008	19.253	0.417000
HETATM11439	O	WAT	2710	13.661	-23.519	-10.566	-0.834000
HETATM11440	H1	WAT	2710	13.847	-22.580	-10.546	0.417000
HETATM11441	H2	WAT	2710	14.508	-23.927	-10.744	0.417000
HETATM11442	O	WAT	2711	-28.301	9.343	2.816	-0.834000
HETATM11443	H1	WAT	2711	-28.143	8.621	2.207	0.417000
HETATM11444	H2	WAT	2711	-27.944	10.113	2.373	0.417000
HETATM11445	O	WAT	2712	21.766	5.152	-2.151	-0.834000
HETATM11446	H1	WAT	2712	21.579	4.380	-1.616	0.417000
HETATM11447	H2	WAT	2712	22.546	5.536	-1.752	0.417000
HETATM11448	O	WAT	2713	10.872	-9.302	-27.333	-0.834000
HETATM11449	H1	WAT	2713	10.232	-8.591	-27.381	0.417000
HETATM11450	H2	WAT	2713	10.680	-9.849	-28.094	0.417000
HETATM11451	O	WAT	2714	9.486	0.813	32.775	-0.834000
HETATM11452	H1	WAT	2714	9.163	1.360	32.059	0.417000
HETATM11453	H2	WAT	2714	8.842	0.110	32.850	0.417000
HETATM11454	O	WAT	2715	-12.338	3.509	-23.906	-0.834000
HETATM11455	H1	WAT	2715	-11.811	3.068	-24.573	0.417000
HETATM11456	H2	WAT	2715	-12.900	4.105	-24.401	0.417000
HETATM11457	O	WAT	2716	20.069	2.973	15.750	-0.834000
HETATM11458	H1	WAT	2716	19.895	2.615	14.879	0.417000
HETATM11459	H2	WAT	2716	19.233	2.901	16.211	0.417000
HETATM11460	O	WAT	2717	-31.493	-0.038	0.736	-0.834000
HETATM11461	H1	WAT	2717	-32.157	0.472	0.272	0.417000
HETATM11462	H2	WAT	2717	-31.576	-0.922	0.377	0.417000
HETATM11463	O	WAT	2718	-14.992	-22.494	9.469	-0.834000
HETATM11464	H1	WAT	2718	-14.156	-22.250	9.865	0.417000
HETATM11465	H2	WAT	2718	-15.529	-21.705	9.536	0.417000
HETATM11466	O	WAT	2719	-17.868	-7.201	19.476	-0.834000
HETATM11467	H1	WAT	2719	-18.697	-7.525	19.123	0.417000
HETATM11468	H2	WAT	2719	-17.197	-7.685	18.993	0.417000
HETATM11469	O	WAT	2720	6.338	6.265	16.672	-0.834000
HETATM11470	H1	WAT	2720	6.831	5.813	17.357	0.417000
HETATM11471	H2	WAT	2720	6.575	5.807	15.865	0.417000
HETATM11472	O	WAT	2721	-25.200	-12.901	-16.125	-0.834000
HETATM11473	H1	WAT	2721	-25.115	-12.028	-15.743	0.417000
HETATM11474	H2	WAT	2721	-26.088	-13.178	-15.899	0.417000
HETATM11475	O	WAT	2722	-7.816	20.655	19.171	-0.834000
HETATM11476	H1	WAT	2722	-7.263	20.011	18.729	0.417000
HETATM11477	H2	WAT	2722	-7.198	21.270	19.567	0.417000

HETATM11478	O	WAT	2723	-15.640	7.365	-17.470	-0.834000
HETATM11479	H1	WAT	2723	-15.945	6.457	-17.456	0.417000
HETATM11480	H2	WAT	2723	-15.084	7.418	-18.247	0.417000
HETATM11481	O	WAT	2724	-16.607	1.966	-9.936	-0.834000
HETATM11482	H1	WAT	2724	-16.309	1.717	-10.811	0.417000
HETATM11483	H2	WAT	2724	-16.500	2.917	-9.908	0.417000
HETATM11484	O	WAT	2725	10.024	10.963	-30.047	-0.834000
HETATM11485	H1	WAT	2725	9.526	11.681	-30.438	0.417000
HETATM11486	H2	WAT	2725	9.481	10.188	-30.194	0.417000
HETATM11487	O	WAT	2726	-3.890	16.559	-24.016	-0.834000
HETATM11488	H1	WAT	2726	-3.699	16.854	-24.906	0.417000
HETATM11489	H2	WAT	2726	-3.652	15.632	-24.015	0.417000
HETATM11490	O	WAT	2727	31.522	-8.907	6.105	-0.834000
HETATM11491	H1	WAT	2727	30.731	-9.186	6.567	0.417000
HETATM11492	H2	WAT	2727	31.649	-7.998	6.376	0.417000
HETATM11493	O	WAT	2728	2.231	-20.975	12.804	-0.834000
HETATM11494	H1	WAT	2728	2.210	-20.048	12.563	0.417000
HETATM11495	H2	WAT	2728	2.300	-20.973	13.758	0.417000
HETATM11496	O	WAT	2729	4.597	-15.682	14.389	-0.834000
HETATM11497	H1	WAT	2729	4.639	-15.052	13.669	0.417000
HETATM11498	H2	WAT	2729	4.519	-15.142	15.175	0.417000
HETATM11499	O	WAT	2730	-13.460	-23.853	3.278	-0.834000
HETATM11500	H1	WAT	2730	-13.881	-23.531	2.481	0.417000
HETATM11501	H2	WAT	2730	-14.092	-24.468	3.651	0.417000
HETATM11502	O	WAT	2731	-22.904	-11.095	20.976	-0.834000
HETATM11503	H1	WAT	2731	-22.085	-10.608	21.068	0.417000
HETATM11504	H2	WAT	2731	-23.385	-10.628	20.293	0.417000
HETATM11505	O	WAT	2732	-4.917	-30.087	13.539	-0.834000
HETATM11506	H1	WAT	2732	-3.961	-30.136	13.529	0.417000
HETATM11507	H2	WAT	2732	-5.148	-30.089	14.468	0.417000
HETATM11508	O	WAT	2733	-26.139	-1.268	-15.939	-0.834000
HETATM11509	H1	WAT	2733	-26.919	-1.524	-16.431	0.417000
HETATM11510	H2	WAT	2733	-25.909	-0.406	-16.286	0.417000
HETATM11511	O	WAT	2734	6.253	29.788	15.528	-0.834000
HETATM11512	H1	WAT	2734	6.185	28.866	15.279	0.417000
HETATM11513	H2	WAT	2734	7.176	30.004	15.396	0.417000
HETATM11514	O	WAT	2735	-16.104	-6.118	-27.168	-0.834000
HETATM11515	H1	WAT	2735	-16.470	-6.994	-27.286	0.417000
HETATM11516	H2	WAT	2735	-16.185	-5.707	-28.029	0.417000
HETATM11517	O	WAT	2736	13.844	-19.244	0.528	-0.834000
HETATM11518	H1	WAT	2736	13.354	-18.482	0.837	0.417000
HETATM11519	H2	WAT	2736	14.211	-19.631	1.322	0.417000
HETATM11520	O	WAT	2737	-32.801	-9.041	1.973	-0.834000
HETATM11521	H1	WAT	2737	-32.298	-8.794	1.197	0.417000
HETATM11522	H2	WAT	2737	-33.602	-9.433	1.625	0.417000
HETATM11523	O	WAT	2738	-25.580	3.780	11.123	-0.834000
HETATM11524	H1	WAT	2738	-24.708	4.167	11.200	0.417000
HETATM11525	H2	WAT	2738	-26.105	4.242	11.776	0.417000
HETATM11526	O	WAT	2739	-30.550	8.325	6.074	-0.834000
HETATM11527	H1	WAT	2739	-30.911	7.899	6.851	0.417000
HETATM11528	H2	WAT	2739	-30.936	7.850	5.338	0.417000
HETATM11529	O	WAT	2740	-14.378	10.750	3.037	-0.834000
HETATM11530	H1	WAT	2740	-15.025	10.730	3.742	0.417000
HETATM11531	H2	WAT	2740	-14.609	10.007	2.479	0.417000
HETATM11532	O	WAT	2741	18.425	27.575	-8.012	-0.834000
HETATM11533	H1	WAT	2741	18.838	28.294	-8.491	0.417000
HETATM11534	H2	WAT	2741	19.157	27.078	-7.649	0.417000
HETATM11535	O	WAT	2742	-10.069	19.599	26.644	-0.834000
HETATM11536	H1	WAT	2742	-10.485	19.987	27.414	0.417000
HETATM11537	H2	WAT	2742	-9.743	18.752	26.948	0.417000
HETATM11538	O	WAT	2743	11.437	-17.026	13.090	-0.834000
HETATM11539	H1	WAT	2743	11.567	-16.225	13.598	0.417000
HETATM11540	H2	WAT	2743	12.156	-17.599	13.356	0.417000
HETATM11541	O	WAT	2744	5.178	-9.065	9.631	-0.834000
HETATM11542	H1	WAT	2744	5.475	-8.785	8.765	0.417000
HETATM11543	H2	WAT	2744	4.841	-8.267	10.038	0.417000
HETATM11544	O	WAT	2745	-22.845	-14.323	-21.510	-0.834000
HETATM11545	H1	WAT	2745	-23.760	-14.544	-21.335	0.417000
HETATM11546	H2	WAT	2745	-22.345	-14.883	-20.916	0.417000
HETATM11547	O	WAT	2746	-7.756	-28.379	-18.526	-0.834000

HETATM11548	H1	WAT	2746	-8.112	-28.673	-19.365	0.417000
HETATM11549	H2	WAT	2746	-7.060	-29.005	-18.329	0.417000
HETATM11550	O	WAT	2747	5.351	-25.336	2.198	-0.834000
HETATM11551	H1	WAT	2747	4.805	-25.548	2.955	0.417000
HETATM11552	H2	WAT	2747	6.121	-25.897	2.294	0.417000
HETATM11553	O	WAT	2748	-6.301	12.497	-30.450	-0.834000
HETATM11554	H1	WAT	2748	-7.145	12.842	-30.158	0.417000
HETATM11555	H2	WAT	2748	-5.669	12.852	-29.825	0.417000
HETATM11556	O	WAT	2749	-9.830	10.481	-18.758	-0.834000
HETATM11557	H1	WAT	2749	-10.700	10.429	-18.361	0.417000
HETATM11558	H2	WAT	2749	-9.782	11.370	-19.110	0.417000
HETATM11559	O	WAT	2750	22.893	13.754	16.097	-0.834000
HETATM11560	H1	WAT	2750	22.016	13.992	16.397	0.417000
HETATM11561	H2	WAT	2750	22.785	12.890	15.700	0.417000
HETATM11562	O	WAT	2751	7.689	0.570	25.143	-0.834000
HETATM11563	H1	WAT	2751	7.984	-0.003	25.851	0.417000
HETATM11564	H2	WAT	2751	8.169	1.386	25.279	0.417000
HETATM11565	O	WAT	2752	33.626	-2.457	9.380	-0.834000
HETATM11566	H1	WAT	2752	33.403	-2.553	10.306	0.417000
HETATM11567	H2	WAT	2752	34.507	-2.823	9.307	0.417000
HETATM11568	O	WAT	2753	-22.694	-0.969	18.829	-0.834000
HETATM11569	H1	WAT	2753	-22.304	-1.171	19.680	0.417000
HETATM11570	H2	WAT	2753	-23.282	-1.704	18.655	0.417000
HETATM11571	O	WAT	2754	-27.729	-9.951	-18.435	-0.834000
HETATM11572	H1	WAT	2754	-26.909	-9.553	-18.144	0.417000
HETATM11573	H2	WAT	2754	-28.309	-9.887	-17.676	0.417000
HETATM11574	O	WAT	2755	-6.237	19.217	-1.056	-0.834000
HETATM11575	H1	WAT	2755	-6.095	18.349	-0.679	0.417000
HETATM11576	H2	WAT	2755	-5.757	19.811	-0.479	0.417000
HETATM11577	O	WAT	2756	-2.897	-1.912	-33.159	-0.834000
HETATM11578	H1	WAT	2756	-3.278	-1.093	-33.475	0.417000
HETATM11579	H2	WAT	2756	-2.233	-1.638	-32.526	0.417000
HETATM11580	O	WAT	2757	-2.581	21.441	-20.791	-0.834000
HETATM11581	H1	WAT	2757	-2.784	21.845	-19.947	0.417000
HETATM11582	H2	WAT	2757	-3.435	21.221	-21.162	0.417000
HETATM11583	O	WAT	2758	4.985	-10.113	32.035	-0.834000
HETATM11584	H1	WAT	2758	4.423	-10.098	32.810	0.417000
HETATM11585	H2	WAT	2758	4.379	-10.207	31.301	0.417000
HETATM11586	O	WAT	2759	4.969	-17.957	24.648	-0.834000
HETATM11587	H1	WAT	2759	4.857	-17.172	24.112	0.417000
HETATM11588	H2	WAT	2759	4.182	-17.991	25.192	0.417000
HETATM11589	O	WAT	2760	-30.783	4.035	-9.310	-0.834000
HETATM11590	H1	WAT	2760	-31.394	3.732	-8.638	0.417000
HETATM11591	H2	WAT	2760	-30.164	3.312	-9.413	0.417000
HETATM11592	O	WAT	2761	-18.235	-7.227	22.137	-0.834000
HETATM11593	H1	WAT	2761	-18.262	-8.162	22.340	0.417000
HETATM11594	H2	WAT	2761	-18.051	-7.191	21.198	0.417000
HETATM11595	O	WAT	2762	18.086	10.887	26.155	-0.834000
HETATM11596	H1	WAT	2762	17.884	10.407	26.958	0.417000
HETATM11597	H2	WAT	2762	18.999	11.153	26.259	0.417000
HETATM11598	O	WAT	2763	4.604	-26.291	-12.842	-0.834000
HETATM11599	H1	WAT	2763	4.225	-27.123	-12.559	0.417000
HETATM11600	H2	WAT	2763	5.303	-26.119	-12.212	0.417000
HETATM11601	O	WAT	2764	-21.248	-3.391	-25.212	-0.834000
HETATM11602	H1	WAT	2764	-21.250	-3.333	-24.257	0.417000
HETATM11603	H2	WAT	2764	-20.996	-2.515	-25.505	0.417000
HETATM11604	O	WAT	2765	-7.532	-9.468	-32.341	-0.834000
HETATM11605	H1	WAT	2765	-7.241	-10.022	-33.065	0.417000
HETATM11606	H2	WAT	2765	-8.260	-9.950	-31.947	0.417000
HETATM11607	O	WAT	2766	-30.867	15.620	-4.276	-0.834000
HETATM11608	H1	WAT	2766	-30.463	16.392	-4.672	0.417000
HETATM11609	H2	WAT	2766	-31.792	15.850	-4.192	0.417000
HETATM11610	O	WAT	2767	14.750	5.282	-14.846	-0.834000
HETATM11611	H1	WAT	2767	15.265	5.995	-14.469	0.417000
HETATM11612	H2	WAT	2767	14.322	4.871	-14.095	0.417000
HETATM11613	O	WAT	2768	-18.421	-11.453	-21.632	-0.834000
HETATM11614	H1	WAT	2768	-17.885	-10.984	-22.271	0.417000
HETATM11615	H2	WAT	2768	-19.257	-10.987	-21.633	0.417000
HETATM11616	O	WAT	2769	4.020	-9.086	27.545	-0.834000
HETATM11617	H1	WAT	2769	4.694	-9.607	27.109	0.417000

HETATM11618	H2	WAT	2769	4.318	-8.181	27.449	0.417000
HETATM11619	O	WAT	2770	14.457	-8.477	19.240	-0.834000
HETATM11620	H1	WAT	2770	14.787	-8.725	20.103	0.417000
HETATM11621	H2	WAT	2770	14.461	-7.520	19.247	0.417000
HETATM11622	O	WAT	2771	30.321	-8.176	-5.197	-0.834000
HETATM11623	H1	WAT	2771	30.870	-7.719	-4.560	0.417000
HETATM11624	H2	WAT	2771	29.679	-8.648	-4.665	0.417000
HETATM11625	O	WAT	2772	9.013	-29.555	-15.392	-0.834000
HETATM11626	H1	WAT	2772	9.209	-29.443	-16.322	0.417000
HETATM11627	H2	WAT	2772	9.869	-29.667	-14.979	0.417000
HETATM11628	O	WAT	2773	-20.962	15.879	-16.262	-0.834000
HETATM11629	H1	WAT	2773	-20.047	15.694	-16.473	0.417000
HETATM11630	H2	WAT	2773	-20.922	16.595	-15.628	0.417000
HETATM11631	O	WAT	2774	13.855	8.513	3.149	-0.834000
HETATM11632	H1	WAT	2774	14.398	7.904	2.648	0.417000
HETATM11633	H2	WAT	2774	13.079	8.005	3.383	0.417000
HETATM11634	O	WAT	2775	-16.869	-5.121	-10.709	-0.834000
HETATM11635	H1	WAT	2775	-16.294	-4.816	-10.007	0.417000
HETATM11636	H2	WAT	2775	-16.665	-6.051	-10.799	0.417000
HETATM11637	O	WAT	2776	-24.196	1.220	19.719	-0.834000
HETATM11638	H1	WAT	2776	-24.405	1.796	18.983	0.417000
HETATM11639	H2	WAT	2776	-23.746	0.475	19.320	0.417000
HETATM11640	O	WAT	2777	26.844	21.014	7.450	-0.834000
HETATM11641	H1	WAT	2777	27.525	21.044	6.779	0.417000
HETATM11642	H2	WAT	2777	26.659	20.082	7.563	0.417000
HETATM11643	O	WAT	2778	19.798	17.311	20.651	-0.834000
HETATM11644	H1	WAT	2778	18.977	16.985	21.018	0.417000
HETATM11645	H2	WAT	2778	19.571	18.162	20.275	0.417000
HETATM11646	O	WAT	2779	-6.782	-25.853	-1.407	-0.834000
HETATM11647	H1	WAT	2779	-6.816	-26.591	-0.799	0.417000
HETATM11648	H2	WAT	2779	-7.700	-25.650	-1.588	0.417000
HETATM11649	O	WAT	2780	10.122	-21.271	-18.007	-0.834000
HETATM11650	H1	WAT	2780	10.896	-20.729	-18.162	0.417000
HETATM11651	H2	WAT	2780	10.440	-21.995	-17.469	0.417000
HETATM11652	O	WAT	2781	29.418	18.242	-1.210	-0.834000
HETATM11653	H1	WAT	2781	28.482	18.266	-1.013	0.417000
HETATM11654	H2	WAT	2781	29.791	17.678	-0.532	0.417000
HETATM11655	O	WAT	2782	15.161	-7.113	29.524	-0.834000
HETATM11656	H1	WAT	2782	14.920	-7.845	30.092	0.417000
HETATM11657	H2	WAT	2782	14.331	-6.677	29.331	0.417000
HETATM11658	O	WAT	2783	14.627	26.990	-7.063	-0.834000
HETATM11659	H1	WAT	2783	15.164	26.543	-7.717	0.417000
HETATM11660	H2	WAT	2783	15.217	27.632	-6.668	0.417000
HETATM11661	O	WAT	2784	9.154	28.890	-12.470	-0.834000
HETATM11662	H1	WAT	2784	9.460	29.145	-13.340	0.417000
HETATM11663	H2	WAT	2784	9.816	28.276	-12.154	0.417000
HETATM11664	O	WAT	2785	-33.088	7.712	-3.446	-0.834000
HETATM11665	H1	WAT	2785	-33.095	7.016	-2.789	0.417000
HETATM11666	H2	WAT	2785	-33.900	8.195	-3.293	0.417000
HETATM11667	O	WAT	2786	15.632	-29.499	11.171	-0.834000
HETATM11668	H1	WAT	2786	15.464	-29.476	10.229	0.417000
HETATM11669	H2	WAT	2786	16.300	-30.176	11.278	0.417000
HETATM11670	O	WAT	2787	24.063	-24.756	1.084	-0.834000
HETATM11671	H1	WAT	2787	24.755	-24.144	0.833	0.417000
HETATM11672	H2	WAT	2787	23.664	-25.019	0.254	0.417000
HETATM11673	O	WAT	2788	-2.375	26.321	12.203	-0.834000
HETATM11674	H1	WAT	2788	-3.213	25.984	12.520	0.417000
HETATM11675	H2	WAT	2788	-1.975	26.728	12.971	0.417000
HETATM11676	O	WAT	2789	1.488	-27.827	2.913	-0.834000
HETATM11677	H1	WAT	2789	0.738	-28.402	3.066	0.417000
HETATM11678	H2	WAT	2789	1.100	-26.990	2.657	0.417000
HETATM11679	O	WAT	2790	-15.361	16.221	-22.314	-0.834000
HETATM11680	H1	WAT	2790	-15.459	17.161	-22.465	0.417000
HETATM11681	H2	WAT	2790	-15.225	16.143	-21.370	0.417000
HETATM11682	O	WAT	2791	1.423	9.473	-15.268	-0.834000
HETATM11683	H1	WAT	2791	1.475	10.220	-15.865	0.417000
HETATM11684	H2	WAT	2791	0.593	9.049	-15.486	0.417000
HETATM11685	O	WAT	2792	-1.297	27.668	14.378	-0.834000
HETATM11686	H1	WAT	2792	-0.740	27.232	15.022	0.417000
HETATM11687	H2	WAT	2792	-0.731	28.328	13.978	0.417000

HETATM11688	O	WAT	2793	0.794	20.012	13.994	-0.834000
HETATM11689	H1	WAT	2793	1.515	20.500	14.392	0.417000
HETATM11690	H2	WAT	2793	1.155	19.679	13.173	0.417000
HETATM11691	O	WAT	2794	-13.748	5.255	-25.497	-0.834000
HETATM11692	H1	WAT	2794	-13.173	6.002	-25.330	0.417000
HETATM11693	H2	WAT	2794	-14.624	5.636	-25.560	0.417000
HETATM11694	O	WAT	2795	7.286	-15.427	29.361	-0.834000
HETATM11695	H1	WAT	2795	7.402	-15.364	28.413	0.417000
HETATM11696	H2	WAT	2795	6.581	-14.810	29.558	0.417000
HETATM11697	O	WAT	2796	8.100	-10.068	-23.755	-0.834000
HETATM11698	H1	WAT	2796	8.306	-9.352	-23.154	0.417000
HETATM11699	H2	WAT	2796	7.998	-9.645	-24.607	0.417000
HETATM11700	O	WAT	2797	10.021	13.118	2.783	-0.834000
HETATM11701	H1	WAT	2797	10.520	13.919	2.942	0.417000
HETATM11702	H2	WAT	2797	9.774	12.812	3.656	0.417000
HETATM11703	O	WAT	2798	15.580	14.539	14.810	-0.834000
HETATM11704	H1	WAT	2798	14.910	14.717	14.150	0.417000
HETATM11705	H2	WAT	2798	16.212	15.250	14.708	0.417000
HETATM11706	O	WAT	2799	1.192	15.878	-24.141	-0.834000
HETATM11707	H1	WAT	2799	0.617	16.630	-24.001	0.417000
HETATM11708	H2	WAT	2799	1.065	15.646	-25.061	0.417000
HETATM11709	O	WAT	2800	-21.309	9.574	6.572	-0.834000
HETATM11710	H1	WAT	2800	-21.683	10.137	5.894	0.417000
HETATM11711	H2	WAT	2800	-22.066	9.255	7.063	0.417000
HETATM11712	O	WAT	2801	12.840	-15.137	28.044	-0.834000
HETATM11713	H1	WAT	2801	13.339	-14.911	28.829	0.417000
HETATM11714	H2	WAT	2801	12.350	-14.343	27.835	0.417000
HETATM11715	O	WAT	2802	-24.838	7.696	13.162	-0.834000
HETATM11716	H1	WAT	2802	-24.031	8.101	12.843	0.417000
HETATM11717	H2	WAT	2802	-24.802	7.805	14.112	0.417000
HETATM11718	O	WAT	2803	-16.280	-0.907	-17.730	-0.834000
HETATM11719	H1	WAT	2803	-15.390	-0.563	-17.807	0.417000
HETATM11720	H2	WAT	2803	-16.216	-1.809	-18.043	0.417000
HETATM11721	O	WAT	2804	1.127	-30.647	-8.982	-0.834000
HETATM11722	H1	WAT	2804	0.293	-30.181	-8.926	0.417000
HETATM11723	H2	WAT	2804	1.777	-29.958	-9.124	0.417000
HETATM11724	O	WAT	2805	5.015	28.165	8.328	-0.834000
HETATM11725	H1	WAT	2805	5.646	27.752	7.739	0.417000
HETATM11726	H2	WAT	2805	4.604	28.847	7.798	0.417000
HETATM11727	O	WAT	2806	-34.372	-2.261	-6.497	-0.834000
HETATM11728	H1	WAT	2806	-34.208	-1.341	-6.293	0.417000
HETATM11729	H2	WAT	2806	-34.781	-2.245	-7.363	0.417000
HETATM11730	O	WAT	2807	13.612	14.923	12.928	-0.834000
HETATM11731	H1	WAT	2807	13.109	15.737	12.941	0.417000
HETATM11732	H2	WAT	2807	13.780	14.761	11.999	0.417000
HETATM11733	O	WAT	2808	11.033	-5.623	25.528	-0.834000
HETATM11734	H1	WAT	2808	11.240	-5.716	24.598	0.417000
HETATM11735	H2	WAT	2808	11.548	-6.306	25.958	0.417000
HETATM11736	O	WAT	2809	-19.319	-5.691	-1.971	-0.834000
HETATM11737	H1	WAT	2809	-18.767	-5.215	-2.592	0.417000
HETATM11738	H2	WAT	2809	-18.861	-5.611	-1.134	0.417000
HETATM11739	O	WAT	2810	-23.128	-4.144	-8.485	-0.834000
HETATM11740	H1	WAT	2810	-23.507	-3.391	-8.031	0.417000
HETATM11741	H2	WAT	2810	-23.884	-4.668	-8.751	0.417000
HETATM11742	O	WAT	2811	0.536	-16.560	23.319	-0.834000
HETATM11743	H1	WAT	2811	-0.378	-16.567	23.603	0.417000
HETATM11744	H2	WAT	2811	0.616	-17.326	22.750	0.417000
HETATM11745	O	WAT	2812	12.901	-14.254	9.701	-0.834000
HETATM11746	H1	WAT	2812	12.359	-14.955	10.063	0.417000
HETATM11747	H2	WAT	2812	12.415	-13.947	8.936	0.417000
HETATM11748	O	WAT	2813	-13.968	-13.055	-16.579	-0.834000
HETATM11749	H1	WAT	2813	-14.465	-13.762	-16.167	0.417000
HETATM11750	H2	WAT	2813	-13.130	-13.453	-16.810	0.417000
HETATM11751	O	WAT	2814	-7.227	-18.416	-3.821	-0.834000
HETATM11752	H1	WAT	2814	-6.816	-17.792	-4.419	0.417000
HETATM11753	H2	WAT	2814	-6.795	-18.263	-2.980	0.417000
HETATM11754	O	WAT	2815	-17.267	-8.590	-27.413	-0.834000
HETATM11755	H1	WAT	2815	-17.584	-9.136	-26.694	0.417000
HETATM11756	H2	WAT	2815	-18.061	-8.256	-27.829	0.417000
HETATM11757	O	WAT	2816	9.992	31.579	-0.571	-0.834000

HETATM11758	H1	WAT	2816	10.897	31.691	-0.281	0.417000
HETATM11759	H2	WAT	2816	9.502	31.407	0.234	0.417000
HETATM11760	O	WAT	2817	8.273	-15.045	-27.677	-0.834000
HETATM11761	H1	WAT	2817	8.115	-15.454	-26.826	0.417000
HETATM11762	H2	WAT	2817	8.528	-15.770	-28.247	0.417000
HETATM11763	O	WAT	2818	1.316	-12.663	32.352	-0.834000
HETATM11764	H1	WAT	2818	1.173	-11.724	32.471	0.417000
HETATM11765	H2	WAT	2818	0.724	-12.908	31.641	0.417000
HETATM11766	O	WAT	2819	-21.620	-23.142	3.697	-0.834000
HETATM11767	H1	WAT	2819	-20.916	-23.059	4.340	0.417000
HETATM11768	H2	WAT	2819	-22.332	-22.609	4.052	0.417000
HETATM11769	O	WAT	2820	5.067	34.644	2.713	-0.834000
HETATM11770	H1	WAT	2820	5.579	34.294	1.984	0.417000
HETATM11771	H2	WAT	2820	4.932	33.895	3.293	0.417000
HETATM11772	O	WAT	2821	12.167	-14.829	-27.816	-0.834000
HETATM11773	H1	WAT	2821	11.802	-14.605	-26.960	0.417000
HETATM11774	H2	WAT	2821	12.094	-14.023	-28.326	0.417000
HETATM11775	O	WAT	2822	-16.490	-16.893	-3.127	-0.834000
HETATM11776	H1	WAT	2822	-15.573	-16.996	-2.873	0.417000
HETATM11777	H2	WAT	2822	-16.841	-16.257	-2.505	0.417000
HETATM11778	O	WAT	2823	13.891	-14.037	-24.538	-0.834000
HETATM11779	H1	WAT	2823	14.300	-14.900	-24.605	0.417000
HETATM11780	H2	WAT	2823	13.014	-14.159	-24.901	0.417000
HETATM11781	O	WAT	2824	-16.870	15.426	-1.612	-0.834000
HETATM11782	H1	WAT	2824	-15.932	15.268	-1.718	0.417000
HETATM11783	H2	WAT	2824	-16.928	16.333	-1.312	0.417000
HETATM11784	O	WAT	2825	-10.968	-29.378	12.239	-0.834000
HETATM11785	H1	WAT	2825	-10.629	-29.363	13.134	0.417000
HETATM11786	H2	WAT	2825	-11.133	-28.459	12.029	0.417000
HETATM11787	O	WAT	2826	-26.539	5.468	13.152	-0.834000
HETATM11788	H1	WAT	2826	-25.874	6.147	13.034	0.417000
HETATM11789	H2	WAT	2826	-27.137	5.830	13.806	0.417000
HETATM11790	O	WAT	2827	19.346	-20.889	-10.322	-0.834000
HETATM11791	H1	WAT	2827	19.522	-20.108	-9.797	0.417000
HETATM11792	H2	WAT	2827	19.212	-21.585	-9.678	0.417000
HETATM11793	O	WAT	2828	20.965	8.052	-20.011	-0.834000
HETATM11794	H1	WAT	2828	21.483	7.251	-19.934	0.417000
HETATM11795	H2	WAT	2828	20.248	7.935	-19.388	0.417000
HETATM11796	O	WAT	2829	2.900	30.474	3.978	-0.834000
HETATM11797	H1	WAT	2829	2.311	31.138	3.621	0.417000
HETATM11798	H2	WAT	2829	2.648	29.665	3.532	0.417000
HETATM11799	O	WAT	2830	-12.055	27.332	-2.097	-0.834000
HETATM11800	H1	WAT	2830	-11.646	27.624	-1.283	0.417000
HETATM11801	H2	WAT	2830	-11.329	27.258	-2.717	0.417000
HETATM11802	O	WAT	2831	7.543	5.049	18.852	-0.834000
HETATM11803	H1	WAT	2831	8.379	5.408	19.151	0.417000
HETATM11804	H2	WAT	2831	7.006	5.001	19.642	0.417000
HETATM11805	O	WAT	2832	7.772	23.652	-18.001	-0.834000
HETATM11806	H1	WAT	2832	7.329	23.574	-17.156	0.417000
HETATM11807	H2	WAT	2832	8.349	24.409	-17.900	0.417000
HETATM11808	O	WAT	2833	-22.672	13.414	5.805	-0.834000
HETATM11809	H1	WAT	2833	-23.455	13.738	5.359	0.417000
HETATM11810	H2	WAT	2833	-22.534	12.539	5.442	0.417000
HETATM11811	O	WAT	2834	27.685	10.691	14.772	-0.834000
HETATM11812	H1	WAT	2834	27.781	9.868	14.293	0.417000
HETATM11813	H2	WAT	2834	28.445	10.720	15.354	0.417000
HETATM11814	O	WAT	2835	-25.167	0.096	-11.384	-0.834000
HETATM11815	H1	WAT	2835	-25.617	-0.406	-12.063	0.417000
HETATM11816	H2	WAT	2835	-24.311	-0.325	-11.303	0.417000
HETATM11817	O	WAT	2836	11.084	3.204	-24.679	-0.834000
HETATM11818	H1	WAT	2836	11.237	3.936	-25.277	0.417000
HETATM11819	H2	WAT	2836	10.994	2.443	-25.252	0.417000
HETATM11820	O	WAT	2837	15.411	-22.880	0.188	-0.834000
HETATM11821	H1	WAT	2837	16.079	-22.699	0.849	0.417000
HETATM11822	H2	WAT	2837	14.813	-23.494	0.614	0.417000
HETATM11823	O	WAT	2838	17.157	-23.067	8.974	-0.834000
HETATM11824	H1	WAT	2838	17.289	-22.180	9.308	0.417000
HETATM11825	H2	WAT	2838	16.248	-23.272	9.192	0.417000
HETATM11826	O	WAT	2839	-22.156	-19.587	4.524	-0.834000
HETATM11827	H1	WAT	2839	-21.276	-19.662	4.155	0.417000

HETATM11828	H2	WAT	2839	-22.229	-18.668	4.784	0.417000
HETATM11829	O	WAT	2840	-16.447	-10.397	-11.393	-0.834000
HETATM11830	H1	WAT	2840	-15.613	-10.854	-11.283	0.417000
HETATM11831	H2	WAT	2840	-16.633	-10.460	-12.330	0.417000
HETATM11832	O	WAT	2841	-12.335	-24.160	-6.768	-0.834000
HETATM11833	H1	WAT	2841	-12.132	-23.238	-6.926	0.417000
HETATM11834	H2	WAT	2841	-12.988	-24.145	-6.068	0.417000
HETATM11835	O	WAT	2842	27.337	-2.243	9.972	-0.834000
HETATM11836	H1	WAT	2842	26.833	-1.873	9.247	0.417000
HETATM11837	H2	WAT	2842	28.064	-2.699	9.550	0.417000
HETATM11838	O	WAT	2843	9.821	27.674	-7.360	-0.834000
HETATM11839	H1	WAT	2843	10.651	27.799	-7.820	0.417000
HETATM11840	H2	WAT	2843	9.254	28.370	-7.694	0.417000
HETATM11841	O	WAT	2844	-14.541	-7.231	-20.886	-0.834000
HETATM11842	H1	WAT	2844	-14.964	-7.040	-20.049	0.417000
HETATM11843	H2	WAT	2844	-14.125	-8.083	-20.755	0.417000
HETATM11844	O	WAT	2845	13.205	19.092	-26.166	-0.834000
HETATM11845	H1	WAT	2845	13.008	18.999	-27.098	0.417000
HETATM11846	H2	WAT	2845	13.943	19.701	-26.137	0.417000
HETATM11847	O	WAT	2846	6.235	26.997	15.364	-0.834000
HETATM11848	H1	WAT	2846	5.722	26.802	16.149	0.417000
HETATM11849	H2	WAT	2846	5.908	26.385	14.706	0.417000
HETATM11850	O	WAT	2847	-30.074	-6.941	-12.576	-0.834000
HETATM11851	H1	WAT	2847	-30.903	-6.814	-13.037	0.417000
HETATM11852	H2	WAT	2847	-30.207	-6.522	-11.726	0.417000
HETATM11853	O	WAT	2848	-5.030	-21.768	16.298	-0.834000
HETATM11854	H1	WAT	2848	-5.523	-22.027	15.520	0.417000
HETATM11855	H2	WAT	2848	-5.425	-22.268	17.011	0.417000
HETATM11856	O	WAT	2849	-18.953	-9.319	-17.505	-0.834000
HETATM11857	H1	WAT	2849	-18.381	-10.006	-17.161	0.417000
HETATM11858	H2	WAT	2849	-19.625	-9.790	-17.997	0.417000
HETATM11859	O	WAT	2850	-6.510	-33.894	7.049	-0.834000
HETATM11860	H1	WAT	2850	-7.436	-33.825	7.281	0.417000
HETATM11861	H2	WAT	2850	-6.369	-33.193	6.413	0.417000
HETATM11862	O	WAT	2851	-33.000	5.763	-1.456	-0.834000
HETATM11863	H1	WAT	2851	-33.450	6.369	-0.866	0.417000
HETATM11864	H2	WAT	2851	-32.253	5.446	-0.949	0.417000
HETATM11865	O	WAT	2852	9.012	-25.820	-0.664	-0.834000
HETATM11866	H1	WAT	2852	9.298	-25.726	0.245	0.417000
HETATM11867	H2	WAT	2852	9.759	-26.220	-1.109	0.417000
HETATM11868	O	WAT	2853	-19.548	25.635	2.751	-0.834000
HETATM11869	H1	WAT	2853	-18.768	26.178	2.860	0.417000
HETATM11870	H2	WAT	2853	-20.280	26.238	2.883	0.417000
HETATM11871	O	WAT	2854	11.130	13.404	-20.658	-0.834000
HETATM11872	H1	WAT	2854	10.980	12.495	-20.399	0.417000
HETATM11873	H2	WAT	2854	11.586	13.342	-21.497	0.417000
HETATM11874	O	WAT	2855	7.544	18.038	16.091	-0.834000
HETATM11875	H1	WAT	2855	7.448	17.106	16.283	0.417000
HETATM11876	H2	WAT	2855	7.679	18.075	15.144	0.417000
HETATM11877	O	WAT	2856	5.798	10.884	27.710	-0.834000
HETATM11878	H1	WAT	2856	5.795	11.440	28.489	0.417000
HETATM11879	H2	WAT	2856	6.646	10.441	27.735	0.417000
HETATM11880	O	WAT	2857	11.877	-29.754	2.055	-0.834000
HETATM11881	H1	WAT	2857	10.976	-29.754	2.376	0.417000
HETATM11882	H2	WAT	2857	11.793	-29.789	1.103	0.417000
HETATM11883	O	WAT	2858	-26.916	-22.951	-3.056	-0.834000
HETATM11884	H1	WAT	2858	-27.569	-23.053	-2.364	0.417000
HETATM11885	H2	WAT	2858	-26.078	-23.108	-2.620	0.417000
HETATM11886	O	WAT	2859	-16.457	16.824	6.238	-0.834000
HETATM11887	H1	WAT	2859	-16.630	16.052	5.699	0.417000
HETATM11888	H2	WAT	2859	-16.862	17.547	5.759	0.417000
HETATM11889	O	WAT	2860	6.871	7.236	-28.986	-0.834000
HETATM11890	H1	WAT	2860	6.191	7.633	-28.441	0.417000
HETATM11891	H2	WAT	2860	6.892	6.319	-28.713	0.417000
HETATM11892	O	WAT	2861	3.005	21.091	15.274	-0.834000
HETATM11893	H1	WAT	2861	2.450	21.630	15.839	0.417000
HETATM11894	H2	WAT	2861	3.748	21.655	15.061	0.417000
HETATM11895	O	WAT	2862	-28.002	11.035	-1.323	-0.834000
HETATM11896	H1	WAT	2862	-27.474	10.351	-1.734	0.417000
HETATM11897	H2	WAT	2862	-28.859	10.961	-1.744	0.417000

HETATM11898	O	WAT	2863	33.835	-8.553	-0.074	-0.834000
HETATM11899	H1	WAT	2863	33.416	-8.797	-0.899	0.417000
HETATM11900	H2	WAT	2863	33.434	-7.717	0.161	0.417000
HETATM11901	O	WAT	2864	-26.408	-3.831	3.748	-0.834000
HETATM11902	H1	WAT	2864	-26.739	-4.191	4.571	0.417000
HETATM11903	H2	WAT	2864	-26.255	-2.905	3.935	0.417000
HETATM11904	O	WAT	2865	-30.417	11.186	-2.601	-0.834000
HETATM11905	H1	WAT	2865	-30.418	11.828	-3.311	0.417000
HETATM11906	H2	WAT	2865	-30.990	11.565	-1.934	0.417000
HETATM11907	O	WAT	2866	-16.814	-16.891	25.657	-0.834000
HETATM11908	H1	WAT	2866	-15.942	-17.151	25.954	0.417000
HETATM11909	H2	WAT	2866	-16.797	-17.032	24.710	0.417000
HETATM11910	O	WAT	2867	28.916	16.924	8.030	-0.834000
HETATM11911	H1	WAT	2867	28.980	16.167	8.612	0.417000
HETATM11912	H2	WAT	2867	29.408	17.613	8.477	0.417000
HETATM11913	O	WAT	2868	20.688	-8.566	-18.032	-0.834000
HETATM11914	H1	WAT	2868	19.750	-8.613	-17.846	0.417000
HETATM11915	H2	WAT	2868	20.755	-7.969	-18.777	0.417000
HETATM11916	O	WAT	2869	-28.815	12.758	-12.229	-0.834000
HETATM11917	H1	WAT	2869	-28.541	13.171	-13.048	0.417000
HETATM11918	H2	WAT	2869	-28.140	13.006	-11.598	0.417000
HETATM11919	O	WAT	2870	19.252	-7.064	14.584	-0.834000
HETATM11920	H1	WAT	2870	19.844	-6.389	14.253	0.417000
HETATM11921	H2	WAT	2870	19.713	-7.440	15.333	0.417000
HETATM11922	O	WAT	2871	-18.622	-4.000	-17.477	-0.834000
HETATM11923	H1	WAT	2871	-17.774	-3.848	-17.896	0.417000
HETATM11924	H2	WAT	2871	-19.237	-3.466	-17.980	0.417000
HETATM11925	O	WAT	2872	20.649	-21.905	3.299	-0.834000
HETATM11926	H1	WAT	2872	21.353	-22.554	3.306	0.417000
HETATM11927	H2	WAT	2872	20.374	-21.861	2.384	0.417000
HETATM11928	O	WAT	2873	-7.859	23.661	-8.207	-0.834000
HETATM11929	H1	WAT	2873	-8.200	22.944	-8.742	0.417000
HETATM11930	H2	WAT	2873	-8.622	23.992	-7.735	0.417000
HETATM11931	O	WAT	2874	-0.988	23.389	17.832	-0.834000
HETATM11932	H1	WAT	2874	-1.509	22.594	17.716	0.417000
HETATM11933	H2	WAT	2874	-1.561	24.096	17.534	0.417000
HETATM11934	O	WAT	2875	2.312	-26.846	-4.239	-0.834000
HETATM11935	H1	WAT	2875	2.946	-26.581	-4.905	0.417000
HETATM11936	H2	WAT	2875	1.596	-27.244	-4.734	0.417000
HETATM11937	O	WAT	2876	-12.625	14.355	-26.301	-0.834000
HETATM11938	H1	WAT	2876	-12.864	14.980	-25.616	0.417000
HETATM11939	H2	WAT	2876	-12.957	13.515	-25.984	0.417000
HETATM11940	O	WAT	2877	-10.190	5.906	-17.256	-0.834000
HETATM11941	H1	WAT	2877	-9.550	6.484	-16.840	0.417000
HETATM11942	H2	WAT	2877	-9.851	5.024	-17.102	0.417000
HETATM11943	O	WAT	2878	-6.703	25.135	6.620	-0.834000
HETATM11944	H1	WAT	2878	-7.263	24.632	6.029	0.417000
HETATM11945	H2	WAT	2878	-7.266	25.338	7.368	0.417000
HETATM11946	O	WAT	2879	11.683	-14.654	14.485	-0.834000
HETATM11947	H1	WAT	2879	11.917	-13.767	14.212	0.417000
HETATM11948	H2	WAT	2879	11.846	-14.664	15.429	0.417000
HETATM11949	O	WAT	2880	-6.618	-17.219	-18.127	-0.834000
HETATM11950	H1	WAT	2880	-6.537	-18.051	-18.593	0.417000
HETATM11951	H2	WAT	2880	-7.043	-16.634	-18.754	0.417000
HETATM11952	O	WAT	2881	20.604	10.005	-5.983	-0.834000
HETATM11953	H1	WAT	2881	21.557	9.920	-6.007	0.417000
HETATM11954	H2	WAT	2881	20.448	10.808	-5.486	0.417000
HETATM11955	O	WAT	2882	-12.814	26.082	4.148	-0.834000
HETATM11956	H1	WAT	2882	-13.195	26.282	3.293	0.417000
HETATM11957	H2	WAT	2882	-11.991	26.572	4.164	0.417000
HETATM11958	O	WAT	2883	25.385	-3.204	-18.068	-0.834000
HETATM11959	H1	WAT	2883	25.811	-2.350	-17.987	0.417000
HETATM11960	H2	WAT	2883	25.979	-3.811	-17.626	0.417000
HETATM11961	O	WAT	2884	-19.746	-20.020	13.480	-0.834000
HETATM11962	H1	WAT	2884	-20.108	-19.180	13.763	0.417000
HETATM11963	H2	WAT	2884	-20.317	-20.674	13.882	0.417000
HETATM11964	O	WAT	2885	15.022	2.804	-18.239	-0.834000
HETATM11965	H1	WAT	2885	15.601	3.372	-17.730	0.417000
HETATM11966	H2	WAT	2885	14.873	3.283	-19.054	0.417000
HETATM11967	O	WAT	2886	18.178	-24.958	2.550	-0.834000

HETATM11968	H1	WAT	2886	17.950	-24.031	2.484	0.417000
HETATM11969	H2	WAT	2886	18.283	-25.244	1.643	0.417000
HETATM11970	O	WAT	2887	-18.973	-19.784	10.811	-0.834000
HETATM11971	H1	WAT	2887	-19.216	-19.794	11.737	0.417000
HETATM11972	H2	WAT	2887	-19.731	-20.155	10.360	0.417000
HETATM11973	O	WAT	2888	-3.829	31.909	-1.651	-0.834000
HETATM11974	H1	WAT	2888	-4.151	31.513	-2.461	0.417000
HETATM11975	H2	WAT	2888	-4.063	32.834	-1.728	0.417000
HETATM11976	O	WAT	2889	7.491	-1.073	33.119	-0.834000
HETATM11977	H1	WAT	2889	6.763	-1.295	32.540	0.417000
HETATM11978	H2	WAT	2889	7.073	-0.773	33.926	0.417000
HETATM11979	O	WAT	2890	7.017	27.178	-12.235	-0.834000
HETATM11980	H1	WAT	2890	7.592	27.931	-12.372	0.417000
HETATM11981	H2	WAT	2890	7.565	26.536	-11.785	0.417000
HETATM11982	O	WAT	2891	-5.097	-12.493	-20.012	-0.834000
HETATM11983	H1	WAT	2891	-4.406	-13.024	-20.407	0.417000
HETATM11984	H2	WAT	2891	-4.631	-11.778	-19.578	0.417000
HETATM11985	O	WAT	2892	-4.106	-18.435	2.466	-0.834000
HETATM11986	H1	WAT	2892	-4.642	-17.802	1.989	0.417000
HETATM11987	H2	WAT	2892	-3.764	-17.945	3.213	0.417000
HETATM11988	O	WAT	2893	6.326	12.064	25.225	-0.834000
HETATM11989	H1	WAT	2893	6.027	11.668	26.043	0.417000
HETATM11990	H2	WAT	2893	6.522	12.972	25.455	0.417000
HETATM11991	O	WAT	2894	32.048	-1.534	-12.656	-0.834000
HETATM11992	H1	WAT	2894	32.214	-0.717	-12.186	0.417000
HETATM11993	H2	WAT	2894	31.344	-1.955	-12.163	0.417000
HETATM11994	O	WAT	2895	26.200	-10.753	-4.189	-0.834000
HETATM11995	H1	WAT	2895	26.219	-11.651	-4.521	0.417000
HETATM11996	H2	WAT	2895	25.390	-10.702	-3.682	0.417000
HETATM11997	O	WAT	2896	21.006	18.922	-17.562	-0.834000
HETATM11998	H1	WAT	2896	21.246	18.467	-18.369	0.417000
HETATM11999	H2	WAT	2896	21.612	19.661	-17.515	0.417000
HETATM12000	O	WAT	2897	18.635	-17.837	4.097	-0.834000
HETATM12001	H1	WAT	2897	19.487	-18.245	3.944	0.417000
HETATM12002	H2	WAT	2897	18.690	-17.493	4.988	0.417000
HETATM12003	O	WAT	2898	7.254	-12.893	14.249	-0.834000
HETATM12004	H1	WAT	2898	7.095	-13.277	15.112	0.417000
HETATM12005	H2	WAT	2898	7.934	-13.444	13.863	0.417000
HETATM12006	O	WAT	2899	4.158	20.292	19.054	-0.834000
HETATM12007	H1	WAT	2899	4.829	20.154	18.386	0.417000
HETATM12008	H2	WAT	2899	4.265	21.206	19.316	0.417000
HETATM12009	O	WAT	2900	7.088	15.409	-15.064	-0.834000
HETATM12010	H1	WAT	2900	6.559	16.149	-15.362	0.417000
HETATM12011	H2	WAT	2900	7.943	15.547	-15.472	0.417000
HETATM12012	O	WAT	2901	1.023	9.156	32.136	-0.834000
HETATM12013	H1	WAT	2901	0.427	8.652	32.688	0.417000
HETATM12014	H2	WAT	2901	1.268	9.910	32.672	0.417000
HETATM12015	O	WAT	2902	-21.567	-12.724	-4.151	-0.834000
HETATM12016	H1	WAT	2902	-22.317	-13.114	-4.601	0.417000
HETATM12017	H2	WAT	2902	-21.956	-12.181	-3.465	0.417000
HETATM12018	O	WAT	2903	-20.409	24.816	-4.988	-0.834000
HETATM12019	H1	WAT	2903	-21.346	24.670	-4.855	0.417000
HETATM12020	H2	WAT	2903	-20.000	24.493	-4.185	0.417000
HETATM12021	O	WAT	2904	32.571	-9.449	-2.331	-0.834000
HETATM12022	H1	WAT	2904	31.916	-10.043	-2.698	0.417000
HETATM12023	H2	WAT	2904	32.418	-8.617	-2.779	0.417000
HETATM12024	O	WAT	2905	29.757	-1.643	-3.812	-0.834000
HETATM12025	H1	WAT	2905	29.970	-2.446	-4.287	0.417000
HETATM12026	H2	WAT	2905	29.132	-1.189	-4.378	0.417000
HETATM12027	O	WAT	2906	-11.197	-25.457	3.736	-0.834000
HETATM12028	H1	WAT	2906	-11.977	-24.981	3.450	0.417000
HETATM12029	H2	WAT	2906	-10.498	-25.133	3.168	0.417000
HETATM12030	O	WAT	2907	-5.523	17.500	-13.679	-0.834000
HETATM12031	H1	WAT	2907	-4.940	18.242	-13.517	0.417000
HETATM12032	H2	WAT	2907	-6.056	17.774	-14.426	0.417000
HETATM12033	O	WAT	2908	13.940	-14.694	19.185	-0.834000
HETATM12034	H1	WAT	2908	14.300	-13.835	19.403	0.417000
HETATM12035	H2	WAT	2908	13.883	-15.150	20.025	0.417000
HETATM12036	O	WAT	2909	23.113	-9.133	12.114	-0.834000
HETATM12037	H1	WAT	2909	22.656	-8.301	11.994	0.417000

HETATM12038	H2	WAT	2909	23.635	-9.008	12.907	0.417000
HETATM12039	O	WAT	2910	13.066	2.053	-16.352	-0.834000
HETATM12040	H1	WAT	2910	13.458	2.073	-15.479	0.417000
HETATM12041	H2	WAT	2910	13.788	2.268	-16.944	0.417000
HETATM12042	O	WAT	2911	-3.371	-18.557	23.154	-0.834000
HETATM12043	H1	WAT	2911	-2.940	-19.228	22.625	0.417000
HETATM12044	H2	WAT	2911	-3.911	-18.070	22.531	0.417000
HETATM12045	O	WAT	2912	14.713	22.801	-16.554	-0.834000
HETATM12046	H1	WAT	2912	14.296	22.106	-16.045	0.417000
HETATM12047	H2	WAT	2912	15.562	22.436	-16.807	0.417000
HETATM12048	O	WAT	2913	16.213	31.747	1.906	-0.834000
HETATM12049	H1	WAT	2913	16.364	32.452	2.537	0.417000
HETATM12050	H2	WAT	2913	15.536	31.205	2.311	0.417000
HETATM12051	O	WAT	2914	-21.233	-3.327	-22.455	-0.834000
HETATM12052	H1	WAT	2914	-20.448	-3.816	-22.207	0.417000
HETATM12053	H2	WAT	2914	-21.195	-2.530	-21.927	0.417000
HETATM12054	O	WAT	2915	21.696	9.943	0.510	-0.834000
HETATM12055	H1	WAT	2915	21.956	9.432	-0.257	0.417000
HETATM12056	H2	WAT	2915	22.450	10.503	0.692	0.417000
HETATM12057	O	WAT	2916	6.196	11.022	16.282	-0.834000
HETATM12058	H1	WAT	2916	5.922	10.127	16.081	0.417000
HETATM12059	H2	WAT	2916	7.153	10.991	16.257	0.417000
HETATM12060	O	WAT	2917	-24.481	13.512	1.873	-0.834000
HETATM12061	H1	WAT	2917	-24.978	13.951	1.183	0.417000
HETATM12062	H2	WAT	2917	-24.526	12.583	1.647	0.417000
HETATM12063	O	WAT	2918	-7.508	20.599	-18.930	-0.834000
HETATM12064	H1	WAT	2918	-7.094	19.848	-19.356	0.417000
HETATM12065	H2	WAT	2918	-7.045	20.686	-18.096	0.417000
HETATM12066	O	WAT	2919	-6.846	-16.307	25.335	-0.834000
HETATM12067	H1	WAT	2919	-6.846	-16.904	24.587	0.417000
HETATM12068	H2	WAT	2919	-6.231	-15.615	25.089	0.417000
HETATM12069	O	WAT	2920	-6.898	-4.365	-33.925	-0.834000
HETATM12070	H1	WAT	2920	-7.180	-5.221	-33.602	0.417000
HETATM12071	H2	WAT	2920	-6.116	-4.162	-33.411	0.417000
HETATM12072	O	WAT	2921	22.821	0.893	-9.668	-0.834000
HETATM12073	H1	WAT	2921	23.465	0.888	-10.376	0.417000
HETATM12074	H2	WAT	2921	21.975	0.835	-10.113	0.417000
HETATM12075	O	WAT	2922	-32.711	5.764	-10.315	-0.834000
HETATM12076	H1	WAT	2922	-31.966	5.217	-10.066	0.417000
HETATM12077	H2	WAT	2922	-33.229	5.842	-9.514	0.417000
HETATM12078	O	WAT	2923	18.775	10.324	-12.681	-0.834000
HETATM12079	H1	WAT	2923	19.380	10.103	-13.389	0.417000
HETATM12080	H2	WAT	2923	19.164	9.928	-11.901	0.417000
HETATM12081	O	WAT	2924	-9.936	19.702	-3.511	-0.834000
HETATM12082	H1	WAT	2924	-9.365	20.204	-2.930	0.417000
HETATM12083	H2	WAT	2924	-10.480	19.181	-2.921	0.417000
HETATM12084	O	WAT	2925	1.896	16.444	-6.094	-0.834000
HETATM12085	H1	WAT	2925	2.624	17.017	-6.336	0.417000
HETATM12086	H2	WAT	2925	1.842	15.810	-6.809	0.417000
HETATM12087	O	WAT	2926	15.580	-2.287	-20.834	-0.834000
HETATM12088	H1	WAT	2926	14.871	-1.808	-20.406	0.417000
HETATM12089	H2	WAT	2926	16.163	-1.605	-21.167	0.417000
HETATM12090	O	WAT	2927	-10.575	30.782	-9.397	-0.834000
HETATM12091	H1	WAT	2927	-11.020	30.479	-10.188	0.417000
HETATM12092	H2	WAT	2927	-9.648	30.803	-9.637	0.417000
HETATM12093	O	WAT	2928	-26.180	-7.105	-14.764	-0.834000
HETATM12094	H1	WAT	2928	-26.035	-7.799	-14.120	0.417000
HETATM12095	H2	WAT	2928	-25.704	-6.352	-14.415	0.417000
HETATM12096	O	WAT	2929	31.817	-6.255	6.787	-0.834000
HETATM12097	H1	WAT	2929	31.655	-5.689	7.542	0.417000
HETATM12098	H2	WAT	2929	32.771	-6.314	6.733	0.417000
HETATM12099	O	WAT	2930	4.903	3.009	16.304	-0.834000
HETATM12100	H1	WAT	2930	5.856	2.965	16.385	0.417000
HETATM12101	H2	WAT	2930	4.593	3.155	17.198	0.417000
HETATM12102	O	WAT	2931	-5.289	-20.010	-0.565	-0.834000
HETATM12103	H1	WAT	2931	-6.180	-20.309	-0.382	0.417000
HETATM12104	H2	WAT	2931	-5.403	-19.147	-0.963	0.417000
HETATM12105	O	WAT	2932	11.069	14.079	-17.949	-0.834000
HETATM12106	H1	WAT	2932	11.014	13.173	-17.644	0.417000
HETATM12107	H2	WAT	2932	11.109	14.008	-18.903	0.417000

HETATM12108	O	WAT	2933	17.337	11.299	10.051	-0.834000
HETATM12109	H1	WAT	2933	16.799	10.577	9.728	0.417000
HETATM12110	H2	WAT	2933	17.438	11.122	10.986	0.417000
HETATM12111	O	WAT	2934	23.260	-6.597	2.591	-0.834000
HETATM12112	H1	WAT	2934	22.486	-7.052	2.259	0.417000
HETATM12113	H2	WAT	2934	23.875	-7.297	2.809	0.417000
HETATM12114	O	WAT	2935	-31.999	-9.483	7.694	-0.834000
HETATM12115	H1	WAT	2935	-31.867	-10.421	7.831	0.417000
HETATM12116	H2	WAT	2935	-31.166	-9.085	7.945	0.417000
HETATM12117	O	WAT	2936	9.752	-1.513	-28.916	-0.834000
HETATM12118	H1	WAT	2936	10.651	-1.283	-29.153	0.417000
HETATM12119	H2	WAT	2936	9.819	-1.850	-28.023	0.417000
HETATM12120	O	WAT	2937	-18.652	-21.446	-4.871	-0.834000
HETATM12121	H1	WAT	2937	-18.008	-22.155	-4.860	0.417000
HETATM12122	H2	WAT	2937	-18.244	-20.745	-4.363	0.417000
HETATM12123	O	WAT	2938	-10.023	16.018	-12.372	-0.834000
HETATM12124	H1	WAT	2938	-9.163	16.309	-12.071	0.417000
HETATM12125	H2	WAT	2938	-9.903	15.091	-12.581	0.417000
HETATM12126	O	WAT	2939	-16.174	0.857	-14.854	-0.834000
HETATM12127	H1	WAT	2939	-16.857	0.196	-14.972	0.417000
HETATM12128	H2	WAT	2939	-16.529	1.644	-15.266	0.417000
HETATM12129	O	WAT	2940	11.087	31.659	-9.503	-0.834000
HETATM12130	H1	WAT	2940	10.268	31.286	-9.830	0.417000
HETATM12131	H2	WAT	2940	10.890	32.586	-9.369	0.417000
HETATM12132	O	WAT	2941	-33.770	-2.694	1.310	-0.834000
HETATM12133	H1	WAT	2941	-34.270	-2.026	0.841	0.417000
HETATM12134	H2	WAT	2941	-32.928	-2.726	0.856	0.417000
HETATM12135	O	WAT	2942	21.988	-16.941	13.190	-0.834000
HETATM12136	H1	WAT	2942	22.324	-17.833	13.101	0.417000
HETATM12137	H2	WAT	2942	22.439	-16.446	12.507	0.417000
HETATM12138	O	WAT	2943	-9.639	-19.234	-26.029	-0.834000
HETATM12139	H1	WAT	2943	-9.080	-19.731	-26.627	0.417000
HETATM12140	H2	WAT	2943	-10.094	-18.607	-26.592	0.417000
HETATM12141	O	WAT	2944	-16.593	10.850	-0.340	-0.834000
HETATM12142	H1	WAT	2944	-16.519	11.654	0.174	0.417000
HETATM12143	H2	WAT	2944	-17.274	11.040	-0.985	0.417000
HETATM12144	O	WAT	2945	-7.201	-13.258	-27.939	-0.834000
HETATM12145	H1	WAT	2945	-6.244	-13.284	-27.930	0.417000
HETATM12146	H2	WAT	2945	-7.454	-13.425	-27.031	0.417000
HETATM12147	O	WAT	2946	-22.205	-7.702	-4.045	-0.834000
HETATM12148	H1	WAT	2946	-21.715	-7.565	-4.856	0.417000
HETATM12149	H2	WAT	2946	-21.535	-7.899	-3.390	0.417000
HETATM12150	O	WAT	2947	18.859	-6.912	-24.040	-0.834000
HETATM12151	H1	WAT	2947	19.323	-6.235	-23.546	0.417000
HETATM12152	H2	WAT	2947	19.547	-7.511	-24.329	0.417000
HETATM12153	O	WAT	2948	21.935	-10.809	21.180	-0.834000
HETATM12154	H1	WAT	2948	22.701	-10.558	20.664	0.417000
HETATM12155	H2	WAT	2948	21.226	-10.876	20.540	0.417000
HETATM12156	O	WAT	2949	-16.281	-25.439	-16.390	-0.834000
HETATM12157	H1	WAT	2949	-16.056	-25.327	-17.313	0.417000
HETATM12158	H2	WAT	2949	-16.632	-24.589	-16.124	0.417000
HETATM12159	O	WAT	2950	-0.697	21.030	-26.911	-0.834000
HETATM12160	H1	WAT	2950	-0.722	21.524	-26.092	0.417000
HETATM12161	H2	WAT	2950	-1.324	21.476	-27.479	0.417000
HETATM12162	O	WAT	2951	18.665	5.907	21.210	-0.834000
HETATM12163	H1	WAT	2951	18.678	5.463	22.058	0.417000
HETATM12164	H2	WAT	2951	18.112	5.352	20.659	0.417000
HETATM12165	O	WAT	2952	-1.856	6.722	-34.694	-0.834000
HETATM12166	H1	WAT	2952	-1.348	6.772	-33.885	0.417000
HETATM12167	H2	WAT	2952	-2.427	7.490	-34.666	0.417000
HETATM12168	O	WAT	2953	-30.974	-9.326	-2.577	-0.834000
HETATM12169	H1	WAT	2953	-30.629	-10.214	-2.489	0.417000
HETATM12170	H2	WAT	2953	-31.641	-9.394	-3.260	0.417000
HETATM12171	O	WAT	2954	-29.832	3.265	15.939	-0.834000
HETATM12172	H1	WAT	2954	-30.609	3.313	15.381	0.417000
HETATM12173	H2	WAT	2954	-29.096	3.294	15.328	0.417000
HETATM12174	O	WAT	2955	-16.792	16.894	-12.723	-0.834000
HETATM12175	H1	WAT	2955	-15.994	16.375	-12.827	0.417000
HETATM12176	H2	WAT	2955	-17.481	16.353	-13.110	0.417000
HETATM12177	O	WAT	2956	-13.757	-26.019	6.754	-0.834000

HETATM12178	H1	WAT	2956	-13.592	-26.911	7.060	0.417000
HETATM12179	H2	WAT	2956	-12.890	-25.614	6.720	0.417000
HETATM12180	O	WAT	2957	11.917	10.151	16.830	-0.834000
HETATM12181	H1	WAT	2957	12.086	9.218	16.959	0.417000
HETATM12182	H2	WAT	2957	12.447	10.585	17.498	0.417000
HETATM12183	O	WAT	2958	-20.639	17.245	10.028	-0.834000
HETATM12184	H1	WAT	2958	-20.048	16.503	10.157	0.417000
HETATM12185	H2	WAT	2958	-21.515	16.859	10.047	0.417000
HETATM12186	O	WAT	2959	-1.823	-23.913	14.742	-0.834000
HETATM12187	H1	WAT	2959	-1.012	-24.085	14.263	0.417000
HETATM12188	H2	WAT	2959	-2.499	-23.886	14.064	0.417000
HETATM12189	O	WAT	2960	18.873	16.590	-10.120	-0.834000
HETATM12190	H1	WAT	2960	18.362	16.743	-9.325	0.417000
HETATM12191	H2	WAT	2960	19.768	16.825	-9.877	0.417000
HETATM12192	O	WAT	2961	18.585	-2.162	28.136	-0.834000
HETATM12193	H1	WAT	2961	19.271	-2.314	28.787	0.417000
HETATM12194	H2	WAT	2961	18.854	-1.359	27.689	0.417000
HETATM12195	O	WAT	2962	28.128	-10.001	17.894	-0.834000
HETATM12196	H1	WAT	2962	28.871	-9.957	18.497	0.417000
HETATM12197	H2	WAT	2962	28.502	-10.332	17.077	0.417000
HETATM12198	O	WAT	2963	5.151	-33.431	-3.829	-0.834000
HETATM12199	H1	WAT	2963	5.413	-33.328	-4.744	0.417000
HETATM12200	H2	WAT	2963	4.405	-34.031	-3.860	0.417000
HETATM12201	O	WAT	2964	-34.374	-2.570	4.017	-0.834000
HETATM12202	H1	WAT	2964	-34.205	-2.646	3.078	0.417000
HETATM12203	H2	WAT	2964	-33.506	-2.494	4.412	0.417000
HETATM12204	O	WAT	2965	24.091	15.192	-12.502	-0.834000
HETATM12205	H1	WAT	2965	23.505	15.203	-13.259	0.417000
HETATM12206	H2	WAT	2965	23.807	15.935	-11.969	0.417000
HETATM12207	O	WAT	2966	-23.594	-10.616	5.514	-0.834000
HETATM12208	H1	WAT	2966	-24.218	-10.079	6.004	0.417000
HETATM12209	H2	WAT	2966	-23.090	-11.072	6.188	0.417000
HETATM12210	O	WAT	2967	-13.363	1.492	-27.152	-0.834000
HETATM12211	H1	WAT	2967	-13.792	0.892	-26.542	0.417000
HETATM12212	H2	WAT	2967	-12.551	1.741	-26.712	0.417000
HETATM12213	O	WAT	2968	1.702	-34.526	-6.272	-0.834000
HETATM12214	H1	WAT	2968	1.752	-33.570	-6.263	0.417000
HETATM12215	H2	WAT	2968	1.777	-34.761	-7.197	0.417000
HETATM12216	O	WAT	2969	7.741	-24.834	8.178	-0.834000
HETATM12217	H1	WAT	2969	7.616	-24.879	9.126	0.417000
HETATM12218	H2	WAT	2969	6.858	-24.719	7.826	0.417000
HETATM12219	O	WAT	2970	1.273	6.441	-16.659	-0.834000
HETATM12220	H1	WAT	2970	1.529	6.862	-17.479	0.417000
HETATM12221	H2	WAT	2970	0.642	5.770	-16.921	0.417000
HETATM12222	O	WAT	2971	3.810	31.728	-6.381	-0.834000
HETATM12223	H1	WAT	2971	3.041	32.274	-6.548	0.417000
HETATM12224	H2	WAT	2971	3.510	30.834	-6.547	0.417000
HETATM12225	O	WAT	2972	5.214	7.814	18.816	-0.834000
HETATM12226	H1	WAT	2972	4.699	7.190	19.327	0.417000
HETATM12227	H2	WAT	2972	5.512	7.314	18.056	0.417000
HETATM12228	O	WAT	2973	-20.464	-2.364	-18.714	-0.834000
HETATM12229	H1	WAT	2973	-20.515	-1.727	-18.002	0.417000
HETATM12230	H2	WAT	2973	-20.482	-1.835	-19.511	0.417000
HETATM12231	O	WAT	2974	-18.878	12.896	-10.023	-0.834000
HETATM12232	H1	WAT	2974	-19.309	12.593	-9.224	0.417000
HETATM12233	H2	WAT	2974	-19.318	12.420	-10.728	0.417000
HETATM12234	O	WAT	2975	-1.315	-32.048	7.775	-0.834000
HETATM12235	H1	WAT	2975	-1.459	-32.966	8.004	0.417000
HETATM12236	H2	WAT	2975	-1.937	-31.565	8.319	0.417000
HETATM12237	O	WAT	2976	15.183	30.809	-7.485	-0.834000
HETATM12238	H1	WAT	2976	15.628	30.071	-7.068	0.417000
HETATM12239	H2	WAT	2976	14.253	30.590	-7.432	0.417000
HETATM12240	O	WAT	2977	-14.074	19.962	-8.383	-0.834000
HETATM12241	H1	WAT	2977	-13.993	20.013	-7.431	0.417000
HETATM12242	H2	WAT	2977	-14.937	20.332	-8.570	0.417000
HETATM12243	O	WAT	2978	-1.374	2.162	29.709	-0.834000
HETATM12244	H1	WAT	2978	-0.969	1.394	30.111	0.417000
HETATM12245	H2	WAT	2978	-0.940	2.907	30.124	0.417000
HETATM12246	O	WAT	2979	24.248	-2.247	-6.110	-0.834000
HETATM12247	H1	WAT	2979	23.763	-2.102	-6.923	0.417000

HETATM12248	H2	WAT	2979	24.497	-3.171	-6.142	0.417000
HETATM12249	O	WAT	2980	31.323	1.403	4.764	-0.834000
HETATM12250	H1	WAT	2980	30.905	1.856	5.497	0.417000
HETATM12251	H2	WAT	2980	31.990	2.015	4.454	0.417000
HETATM12252	O	WAT	2981	-9.908	-29.145	14.745	-0.834000
HETATM12253	H1	WAT	2981	-10.461	-28.462	15.125	0.417000
HETATM12254	H2	WAT	2981	-9.013	-28.837	14.892	0.417000
HETATM12255	O	WAT	2982	-21.849	-8.057	0.277	-0.834000
HETATM12256	H1	WAT	2982	-22.734	-7.710	0.165	0.417000
HETATM12257	H2	WAT	2982	-21.442	-7.472	0.916	0.417000
HETATM12258	O	WAT	2983	-2.472	16.879	-19.739	-0.834000
HETATM12259	H1	WAT	2983	-3.283	16.736	-20.226	0.417000
HETATM12260	H2	WAT	2983	-2.032	17.586	-20.210	0.417000
HETATM12261	O	WAT	2984	-28.619	-18.889	-3.128	-0.834000
HETATM12262	H1	WAT	2984	-28.658	-19.368	-2.300	0.417000
HETATM12263	H2	WAT	2984	-28.345	-19.544	-3.771	0.417000
HETATM12264	O	WAT	2985	-21.854	14.731	14.508	-0.834000
HETATM12265	H1	WAT	2985	-21.028	15.173	14.314	0.417000
HETATM12266	H2	WAT	2985	-22.458	15.048	13.836	0.417000
HETATM12267	O	WAT	2986	23.758	9.967	3.592	-0.834000
HETATM12268	H1	WAT	2986	23.031	9.386	3.369	0.417000
HETATM12269	H2	WAT	2986	23.855	10.534	2.827	0.417000
HETATM12270	O	WAT	2987	9.473	25.036	-14.944	-0.834000
HETATM12271	H1	WAT	2987	9.432	25.309	-15.861	0.417000
HETATM12272	H2	WAT	2987	10.244	25.484	-14.596	0.417000
HETATM12273	O	WAT	2988	22.469	10.817	-10.697	-0.834000
HETATM12274	H1	WAT	2988	22.585	10.967	-11.635	0.417000
HETATM12275	H2	WAT	2988	23.351	10.631	-10.373	0.417000
HETATM12276	O	WAT	2989	24.244	-3.114	8.407	-0.834000
HETATM12277	H1	WAT	2989	24.838	-2.389	8.211	0.417000
HETATM12278	H2	WAT	2989	23.581	-3.074	7.718	0.417000
HETATM12279	O	WAT	2990	-15.467	26.159	4.893	-0.834000
HETATM12280	H1	WAT	2990	-14.549	26.066	4.639	0.417000
HETATM12281	H2	WAT	2990	-15.449	26.752	5.644	0.417000
HETATM12282	O	WAT	2991	-16.512	14.293	-5.909	-0.834000
HETATM12283	H1	WAT	2991	-16.965	13.894	-5.166	0.417000
HETATM12284	H2	WAT	2991	-15.941	14.953	-5.515	0.417000
HETATM12285	O	WAT	2992	2.214	7.349	26.643	-0.834000
HETATM12286	H1	WAT	2992	1.603	7.875	26.128	0.417000
HETATM12287	H2	WAT	2992	2.698	7.988	27.167	0.417000
HETATM12288	O	WAT	2993	20.695	1.217	19.681	-0.834000
HETATM12289	H1	WAT	2993	21.161	1.546	18.912	0.417000
HETATM12290	H2	WAT	2993	21.321	1.309	20.399	0.417000
HETATM12291	O	WAT	2994	-0.774	-18.135	-8.711	-0.834000
HETATM12292	H1	WAT	2994	-0.237	-18.743	-8.203	0.417000
HETATM12293	H2	WAT	2994	-1.537	-17.969	-8.157	0.417000
HETATM12294	O	WAT	2995	-9.643	11.516	31.848	-0.834000
HETATM12295	H1	WAT	2995	-8.948	11.019	32.279	0.417000
HETATM12296	H2	WAT	2995	-9.373	11.559	30.930	0.417000
HETATM12297	O	WAT	2996	32.607	4.246	-8.439	-0.834000
HETATM12298	H1	WAT	2996	32.809	4.991	-7.873	0.417000
HETATM12299	H2	WAT	2996	33.454	3.977	-8.792	0.417000
HETATM12300	O	WAT	2997	-3.732	2.688	33.237	-0.834000
HETATM12301	H1	WAT	2997	-3.923	2.731	32.300	0.417000
HETATM12302	H2	WAT	2997	-2.780	2.593	33.283	0.417000
HETATM12303	O	WAT	2998	-19.866	16.943	4.062	-0.834000
HETATM12304	H1	WAT	2998	-20.574	17.587	4.038	0.417000
HETATM12305	H2	WAT	2998	-20.109	16.346	4.769	0.417000
HETATM12306	O	WAT	2999	0.099	-5.029	30.033	-0.834000
HETATM12307	H1	WAT	2999	0.199	-4.447	29.280	0.417000
HETATM12308	H2	WAT	2999	0.995	-5.266	30.274	0.417000
HETATM12309	O	WAT	3000	21.765	7.732	23.237	-0.834000
HETATM12310	H1	WAT	3000	20.851	7.956	23.062	0.417000
HETATM12311	H2	WAT	3000	22.177	7.716	22.374	0.417000
HETATM12312	O	WAT	3001	30.774	-4.345	-0.120	-0.834000
HETATM12313	H1	WAT	3001	30.410	-3.502	-0.389	0.417000
HETATM12314	H2	WAT	3001	30.274	-4.584	0.661	0.417000
HETATM12315	O	WAT	3002	-13.533	-31.006	8.675	-0.834000
HETATM12316	H1	WAT	3002	-13.279	-31.814	8.229	0.417000
HETATM12317	H2	WAT	3002	-13.244	-31.131	9.579	0.417000

HETATM12318	O	WAT	3003	-6.802	-30.045	-1.561	-0.834000
HETATM12319	H1	WAT	3003	-7.446	-30.460	-2.134	0.417000
HETATM12320	H2	WAT	3003	-6.568	-30.726	-0.931	0.417000
HETATM12321	O	WAT	3004	-10.977	-21.256	-24.764	-0.834000
HETATM12322	H1	WAT	3004	-10.542	-20.522	-25.198	0.417000
HETATM12323	H2	WAT	3004	-11.176	-20.931	-23.886	0.417000
HETATM12324	O	WAT	3005	-5.939	-23.670	-17.750	-0.834000
HETATM12325	H1	WAT	3005	-6.489	-24.376	-18.088	0.417000
HETATM12326	H2	WAT	3005	-5.164	-23.680	-18.311	0.417000
HETATM12327	O	WAT	3006	-29.677	2.729	-4.245	-0.834000
HETATM12328	H1	WAT	3006	-29.602	3.010	-3.333	0.417000
HETATM12329	H2	WAT	3006	-28.868	2.247	-4.415	0.417000
HETATM12330	O	WAT	3007	23.676	-15.913	16.592	-0.834000
HETATM12331	H1	WAT	3007	23.824	-15.925	17.538	0.417000
HETATM12332	H2	WAT	3007	24.553	-15.947	16.211	0.417000
HETATM12333	O	WAT	3008	-16.422	-15.298	19.295	-0.834000
HETATM12334	H1	WAT	3008	-17.130	-14.909	18.782	0.417000
HETATM12335	H2	WAT	3008	-15.755	-14.613	19.343	0.417000
HETATM12336	O	WAT	3009	-9.261	-1.548	24.483	-0.834000
HETATM12337	H1	WAT	3009	-10.047	-1.077	24.761	0.417000
HETATM12338	H2	WAT	3009	-8.536	-0.983	24.748	0.417000
HETATM12339	O	WAT	3010	19.578	14.235	-11.349	-0.834000
HETATM12340	H1	WAT	3010	19.998	13.750	-10.638	0.417000
HETATM12341	H2	WAT	3010	19.311	15.062	-10.949	0.417000
HETATM12342	O	WAT	3011	-17.990	2.027	-25.363	-0.834000
HETATM12343	H1	WAT	3011	-17.373	1.774	-24.677	0.417000
HETATM12344	H2	WAT	3011	-17.936	1.320	-26.006	0.417000
HETATM12345	O	WAT	3012	14.046	-28.984	3.691	-0.834000
HETATM12346	H1	WAT	3012	13.388	-29.306	3.074	0.417000
HETATM12347	H2	WAT	3012	14.883	-29.232	3.299	0.417000
HETATM12348	O	WAT	3013	20.764	12.624	-9.478	-0.834000
HETATM12349	H1	WAT	3013	20.186	12.002	-9.036	0.417000
HETATM12350	H2	WAT	3013	21.423	12.076	-9.906	0.417000
HETATM12351	O	WAT	3014	-13.460	0.138	29.530	-0.834000
HETATM12352	H1	WAT	3014	-13.602	-0.566	28.897	0.417000
HETATM12353	H2	WAT	3014	-14.302	0.592	29.575	0.417000
HETATM12354	O	WAT	3015	3.639	-26.428	4.325	-0.834000
HETATM12355	H1	WAT	3015	3.210	-25.959	5.040	0.417000
HETATM12356	H2	WAT	3015	2.923	-26.850	3.851	0.417000
HETATM12357	O	WAT	3016	-6.770	-10.385	31.979	-0.834000
HETATM12358	H1	WAT	3016	-6.289	-10.293	31.157	0.417000
HETATM12359	H2	WAT	3016	-6.335	-9.782	32.581	0.417000
HETATM12360	O	WAT	3017	-14.438	27.012	-8.620	-0.834000
HETATM12361	H1	WAT	3017	-14.743	26.119	-8.460	0.417000
HETATM12362	H2	WAT	3017	-14.183	27.337	-7.757	0.417000
HETATM12363	O	WAT	3018	-33.312	1.587	-0.499	-0.834000
HETATM12364	H1	WAT	3018	-33.259	2.227	0.211	0.417000
HETATM12365	H2	WAT	3018	-33.397	2.116	-1.292	0.417000
HETATM12366	O	WAT	3019	27.254	-4.973	-10.162	-0.834000
HETATM12367	H1	WAT	3019	26.623	-5.340	-9.543	0.417000
HETATM12368	H2	WAT	3019	27.881	-5.680	-10.314	0.417000
HETATM12369	O	WAT	3020	-21.833	18.904	4.042	-0.834000
HETATM12370	H1	WAT	3020	-21.612	19.803	3.802	0.417000
HETATM12371	H2	WAT	3020	-22.086	18.957	4.963	0.417000
HETATM12372	O	WAT	3021	-12.022	23.253	-4.030	-0.834000
HETATM12373	H1	WAT	3021	-11.689	22.575	-4.618	0.417000
HETATM12374	H2	WAT	3021	-11.298	23.873	-3.946	0.417000
HETATM12375	O	WAT	3022	9.688	-6.339	-17.938	-0.834000
HETATM12376	H1	WAT	3022	9.244	-6.579	-18.751	0.417000
HETATM12377	H2	WAT	3022	10.607	-6.242	-18.187	0.417000
HETATM12378	O	WAT	3023	-14.490	3.237	-18.121	-0.834000
HETATM12379	H1	WAT	3023	-14.214	3.521	-18.992	0.417000
HETATM12380	H2	WAT	3023	-15.304	3.714	-17.961	0.417000
HETATM12381	O	WAT	3024	-29.474	-14.608	2.621	-0.834000
HETATM12382	H1	WAT	3024	-28.673	-14.084	2.644	0.417000
HETATM12383	H2	WAT	3024	-29.544	-14.976	3.502	0.417000
HETATM12384	O	WAT	3025	-20.666	-4.970	-7.532	-0.834000
HETATM12385	H1	WAT	3025	-20.156	-4.843	-8.332	0.417000
HETATM12386	H2	WAT	3025	-21.559	-4.726	-7.776	0.417000
HETATM12387	O	WAT	3026	9.450	26.315	17.710	-0.834000

HETATM12388	H1	WAT	3026	8.588	26.535	18.064	0.417000
HETATM12389	H2	WAT	3026	9.341	26.372	16.761	0.417000
HETATM12390	O	WAT	3027	4.836	-21.112	-22.967	-0.834000
HETATM12391	H1	WAT	3027	5.670	-21.311	-22.539	0.417000
HETATM12392	H2	WAT	3027	4.428	-21.967	-23.104	0.417000
HETATM12393	O	WAT	3028	27.639	-7.280	18.552	-0.834000
HETATM12394	H1	WAT	3028	26.725	-7.030	18.412	0.417000
HETATM12395	H2	WAT	3028	27.674	-8.206	18.311	0.417000
HETATM12396	O	WAT	3029	-4.594	19.718	20.644	-0.834000
HETATM12397	H1	WAT	3029	-5.110	19.025	20.232	0.417000
HETATM12398	H2	WAT	3029	-5.141	20.500	20.570	0.417000
HETATM12399	O	WAT	3030	-9.873	9.525	-27.871	-0.834000
HETATM12400	H1	WAT	3030	-10.032	10.184	-28.546	0.417000
HETATM12401	H2	WAT	3030	-10.708	9.064	-27.785	0.417000
HETATM12402	O	WAT	3031	18.371	21.246	13.341	-0.834000
HETATM12403	H1	WAT	3031	17.440	21.031	13.277	0.417000
HETATM12404	H2	WAT	3031	18.580	21.133	14.268	0.417000
HETATM12405	O	WAT	3032	-11.493	24.428	-19.426	-0.834000
HETATM12406	H1	WAT	3032	-11.816	24.915	-20.183	0.417000
HETATM12407	H2	WAT	3032	-11.704	23.515	-19.621	0.417000
HETATM12408	O	WAT	3033	-9.555	21.481	0.409	-0.834000
HETATM12409	H1	WAT	3033	-9.199	21.293	-0.460	0.417000
HETATM12410	H2	WAT	3033	-8.783	21.613	0.960	0.417000
HETATM12411	O	WAT	3034	11.124	27.109	-11.827	-0.834000
HETATM12412	H1	WAT	3034	11.935	27.569	-11.609	0.417000
HETATM12413	H2	WAT	3034	11.308	26.683	-12.664	0.417000
HETATM12414	O	WAT	3035	6.642	21.258	-15.288	-0.834000
HETATM12415	H1	WAT	3035	6.713	22.212	-15.245	0.417000
HETATM12416	H2	WAT	3035	7.547	20.949	-15.243	0.417000
HETATM12417	O	WAT	3036	15.870	-2.114	17.346	-0.834000
HETATM12418	H1	WAT	3036	16.222	-1.301	17.707	0.417000
HETATM12419	H2	WAT	3036	16.302	-2.806	17.848	0.417000
HETATM12420	O	WAT	3037	-22.921	14.967	17.026	-0.834000
HETATM12421	H1	WAT	3037	-23.680	14.389	16.950	0.417000
HETATM12422	H2	WAT	3037	-22.555	15.000	16.142	0.417000
HETATM12423	O	WAT	3038	7.158	7.379	-21.193	-0.834000
HETATM12424	H1	WAT	3038	6.575	6.775	-20.733	0.417000
HETATM12425	H2	WAT	3038	7.979	6.896	-21.287	0.417000
HETATM12426	O	WAT	3039	-0.087	4.168	31.084	-0.834000
HETATM12427	H1	WAT	3039	0.810	4.142	30.751	0.417000
HETATM12428	H2	WAT	3039	-0.408	5.037	30.840	0.417000
HETATM12429	O	WAT	3040	-8.059	22.257	8.945	-0.834000
HETATM12430	H1	WAT	3040	-8.720	22.703	8.415	0.417000
HETATM12431	H2	WAT	3040	-8.542	21.925	9.702	0.417000
HETATM12432	O	WAT	3041	0.781	13.307	-23.167	-0.834000
HETATM12433	H1	WAT	3041	0.040	13.019	-23.700	0.417000
HETATM12434	H2	WAT	3041	0.993	14.178	-23.501	0.417000
HETATM12435	O	WAT	3042	18.979	-18.610	-12.097	-0.834000
HETATM12436	H1	WAT	3042	18.702	-19.312	-11.509	0.417000
HETATM12437	H2	WAT	3042	18.286	-18.562	-12.756	0.417000
HETATM12438	O	WAT	3043	6.803	-27.680	-4.458	-0.834000
HETATM12439	H1	WAT	3043	6.874	-27.570	-3.510	0.417000
HETATM12440	H2	WAT	3043	5.956	-28.107	-4.587	0.417000
HETATM12441	O	WAT	3044	19.751	-7.860	-13.956	-0.834000
HETATM12442	H1	WAT	3044	20.338	-8.454	-13.488	0.417000
HETATM12443	H2	WAT	3044	19.029	-7.708	-13.346	0.417000
HETATM12444	O	WAT	3045	21.125	1.116	-23.652	-0.834000
HETATM12445	H1	WAT	3045	21.268	0.275	-23.217	0.417000
HETATM12446	H2	WAT	3045	20.565	1.605	-23.049	0.417000
HETATM12447	O	WAT	3046	-15.522	-16.990	-18.237	-0.834000
HETATM12448	H1	WAT	3046	-15.514	-16.317	-18.918	0.417000
HETATM12449	H2	WAT	3046	-14.697	-17.461	-18.355	0.417000
HETATM12450	O	WAT	3047	-26.393	-21.296	4.956	-0.834000
HETATM12451	H1	WAT	3047	-26.704	-21.154	5.850	0.417000
HETATM12452	H2	WAT	3047	-26.603	-22.212	4.773	0.417000
HETATM12453	O	WAT	3048	18.232	6.743	-7.758	-0.834000
HETATM12454	H1	WAT	3048	18.625	6.763	-8.631	0.417000
HETATM12455	H2	WAT	3048	17.868	5.861	-7.680	0.417000
HETATM12456	O	WAT	3049	2.591	19.400	-10.934	-0.834000
HETATM12457	H1	WAT	3049	2.326	19.917	-10.173	0.417000

HETATM12458	H2	WAT	3049	1.846	19.458	-11.533	0.417000
HETATM12459	O	WAT	3050	7.821	5.162	28.791	-0.834000
HETATM12460	H1	WAT	3050	7.968	5.159	29.737	0.417000
HETATM12461	H2	WAT	3050	7.441	6.022	28.611	0.417000
HETATM12462	O	WAT	3051	16.757	-17.292	-17.723	-0.834000
HETATM12463	H1	WAT	3051	16.386	-16.726	-17.045	0.417000
HETATM12464	H2	WAT	3051	16.890	-18.133	-17.286	0.417000
HETATM12465	O	WAT	3052	16.874	-0.971	30.887	-0.834000
HETATM12466	H1	WAT	3052	16.995	-1.835	31.281	0.417000
HETATM12467	H2	WAT	3052	16.522	-1.153	30.015	0.417000
HETATM12468	O	WAT	3053	-9.119	-33.729	3.104	-0.834000
HETATM12469	H1	WAT	3053	-9.138	-34.283	3.884	0.417000
HETATM12470	H2	WAT	3053	-9.982	-33.317	3.082	0.417000
HETATM12471	O	WAT	3054	14.898	1.782	-26.440	-0.834000
HETATM12472	H1	WAT	3054	14.497	1.803	-25.571	0.417000
HETATM12473	H2	WAT	3054	14.626	2.603	-26.849	0.417000
HETATM12474	O	WAT	3055	-16.536	6.915	20.334	-0.834000
HETATM12475	H1	WAT	3055	-16.660	6.738	21.267	0.417000
HETATM12476	H2	WAT	3055	-17.403	7.174	20.022	0.417000
HETATM12477	O	WAT	3056	19.285	8.400	22.178	-0.834000
HETATM12478	H1	WAT	3056	18.690	8.547	22.913	0.417000
HETATM12479	H2	WAT	3056	18.994	7.572	21.796	0.417000
HETATM12480	O	WAT	3057	-9.205	-24.511	2.147	-0.834000
HETATM12481	H1	WAT	3057	-8.281	-24.528	2.397	0.417000
HETATM12482	H2	WAT	3057	-9.366	-23.604	1.887	0.417000
HETATM12483	O	WAT	3058	7.548	-15.407	26.623	-0.834000
HETATM12484	H1	WAT	3058	7.476	-15.274	25.678	0.417000
HETATM12485	H2	WAT	3058	7.309	-16.325	26.755	0.417000
HETATM12486	O	WAT	3059	29.145	4.082	2.087	-0.834000
HETATM12487	H1	WAT	3059	28.718	4.691	1.485	0.417000
HETATM12488	H2	WAT	3059	30.036	4.421	2.179	0.417000
HETATM12489	O	WAT	3060	11.856	20.094	-5.983	-0.834000
HETATM12490	H1	WAT	3060	11.339	19.800	-6.733	0.417000
HETATM12491	H2	WAT	3060	12.031	19.297	-5.484	0.417000
HETATM12492	O	WAT	3061	26.596	-17.106	-6.043	-0.834000
HETATM12493	H1	WAT	3061	27.538	-16.937	-6.052	0.417000
HETATM12494	H2	WAT	3061	26.484	-17.868	-6.611	0.417000
HETATM12495	O	WAT	3062	-5.534	18.722	-23.800	-0.834000
HETATM12496	H1	WAT	3062	-4.900	18.008	-23.869	0.417000
HETATM12497	H2	WAT	3062	-6.387	18.288	-23.831	0.417000
HETATM12498	O	WAT	3063	-9.632	-25.648	8.286	-0.834000
HETATM12499	H1	WAT	3063	-10.122	-26.428	8.547	0.417000
HETATM12500	H2	WAT	3063	-10.237	-25.162	7.725	0.417000
HETATM12501	O	WAT	3064	14.424	-2.393	-26.750	-0.834000
HETATM12502	H1	WAT	3064	15.357	-2.587	-26.661	0.417000
HETATM12503	H2	WAT	3064	14.001	-3.252	-26.766	0.417000
HETATM12504	O	WAT	3065	-6.364	-23.348	7.685	-0.834000
HETATM12505	H1	WAT	3065	-5.495	-23.155	7.334	0.417000
HETATM12506	H2	WAT	3065	-6.911	-23.481	6.911	0.417000
HETATM12507	O	WAT	3066	-1.829	21.468	11.695	-0.834000
HETATM12508	H1	WAT	3066	-2.577	22.066	11.704	0.417000
HETATM12509	H2	WAT	3066	-1.703	21.229	12.613	0.417000
HETATM12510	O	WAT	3067	-31.879	-3.788	-14.453	-0.834000
HETATM12511	H1	WAT	3067	-31.935	-4.234	-15.299	0.417000
HETATM12512	H2	WAT	3067	-31.262	-3.072	-14.602	0.417000
HETATM12513	O	WAT	3068	-24.818	2.635	-7.797	-0.834000
HETATM12514	H1	WAT	3068	-23.904	2.906	-7.707	0.417000
HETATM12515	H2	WAT	3068	-25.211	2.837	-6.948	0.417000
HETATM12516	O	WAT	3069	-1.292	-7.810	22.254	-0.834000
HETATM12517	H1	WAT	3069	-0.624	-7.126	22.317	0.417000
HETATM12518	H2	WAT	3069	-0.859	-8.598	22.582	0.417000
HETATM12519	O	WAT	3070	4.710	26.443	17.594	-0.834000
HETATM12520	H1	WAT	3070	3.963	27.025	17.454	0.417000
HETATM12521	H2	WAT	3070	4.336	25.563	17.565	0.417000
HETATM12522	O	WAT	3071	14.862	-28.935	-6.239	-0.834000
HETATM12523	H1	WAT	3071	15.725	-29.199	-6.556	0.417000
HETATM12524	H2	WAT	3071	14.491	-29.732	-5.859	0.417000
HETATM12525	O	WAT	3072	6.366	-30.714	5.638	-0.834000
HETATM12526	H1	WAT	3072	6.081	-31.216	6.402	0.417000
HETATM12527	H2	WAT	3072	6.070	-29.821	5.815	0.417000

HETATM12528	O	WAT	3073	20.741	22.835	-17.169	-0.834000
HETATM12529	H1	WAT	3073	20.012	22.825	-16.550	0.417000
HETATM12530	H2	WAT	3073	21.310	23.539	-16.859	0.417000
HETATM12531	O	WAT	3074	-20.277	-11.884	-0.542	-0.834000
HETATM12532	H1	WAT	3074	-20.561	-11.396	0.231	0.417000
HETATM12533	H2	WAT	3074	-20.401	-12.803	-0.304	0.417000
HETATM12534	O	WAT	3075	0.436	20.182	-6.716	-0.834000
HETATM12535	H1	WAT	3075	0.750	19.623	-6.006	0.417000
HETATM12536	H2	WAT	3075	0.133	20.978	-6.279	0.417000
HETATM12537	O	WAT	3076	12.734	-0.991	-22.781	-0.834000
HETATM12538	H1	WAT	3076	13.221	-0.287	-22.353	0.417000
HETATM12539	H2	WAT	3076	11.827	-0.856	-22.507	0.417000
HETATM12540	O	WAT	3077	19.505	-9.276	-21.061	-0.834000
HETATM12541	H1	WAT	3077	19.958	-8.473	-20.802	0.417000
HETATM12542	H2	WAT	3077	18.782	-8.976	-21.611	0.417000
HETATM12543	O	WAT	3078	23.552	-7.315	-10.282	-0.834000
HETATM12544	H1	WAT	3078	22.992	-7.993	-9.905	0.417000
HETATM12545	H2	WAT	3078	24.179	-7.795	-10.822	0.417000
HETATM12546	O	WAT	3079	-15.497	-6.848	-18.369	-0.834000
HETATM12547	H1	WAT	3079	-14.981	-6.106	-18.054	0.417000
HETATM12548	H2	WAT	3079	-15.196	-7.590	-17.845	0.417000
HETATM12549	O	WAT	3080	23.014	-11.456	-9.670	-0.834000
HETATM12550	H1	WAT	3080	23.355	-11.228	-10.535	0.417000
HETATM12551	H2	WAT	3080	22.587	-10.657	-9.363	0.417000
HETATM12552	O	WAT	3081	-18.269	4.837	-25.299	-0.834000
HETATM12553	H1	WAT	3081	-18.644	5.019	-24.437	0.417000
HETATM12554	H2	WAT	3081	-18.123	3.891	-25.302	0.417000
HETATM12555	O	WAT	3082	-21.738	-16.127	-19.795	-0.834000
HETATM12556	H1	WAT	3082	-21.893	-16.978	-20.204	0.417000
HETATM12557	H2	WAT	3082	-22.023	-16.242	-18.888	0.417000
HETATM12558	O	WAT	3083	2.763	-25.337	22.328	-0.834000
HETATM12559	H1	WAT	3083	2.431	-25.975	21.696	0.417000
HETATM12560	H2	WAT	3083	2.535	-25.704	23.182	0.417000
HETATM12561	O	WAT	3084	24.153	-9.890	19.821	-0.834000
HETATM12562	H1	WAT	3084	24.687	-9.275	20.324	0.417000
HETATM12563	H2	WAT	3084	24.783	-10.512	19.458	0.417000
HETATM12564	O	WAT	3085	-15.226	5.840	27.451	-0.834000
HETATM12565	H1	WAT	3085	-14.436	5.686	27.968	0.417000
HETATM12566	H2	WAT	3085	-15.683	6.542	27.914	0.417000
HETATM12567	O	WAT	3086	-13.454	16.080	-24.324	-0.834000
HETATM12568	H1	WAT	3086	-13.705	16.819	-24.879	0.417000
HETATM12569	H2	WAT	3086	-14.157	16.016	-23.678	0.417000
HETATM12570	O	WAT	3087	1.180	-26.651	-8.053	-0.834000
HETATM12571	H1	WAT	3087	0.943	-27.251	-7.345	0.417000
HETATM12572	H2	WAT	3087	0.998	-25.780	-7.701	0.417000
HETATM12573	O	WAT	3088	-6.129	-15.897	18.485	-0.834000
HETATM12574	H1	WAT	3088	-5.435	-16.545	18.603	0.417000
HETATM12575	H2	WAT	3088	-6.163	-15.752	17.539	0.417000
HETATM12576	O	WAT	3089	-5.477	14.397	-16.855	-0.834000
HETATM12577	H1	WAT	3089	-5.693	15.267	-17.190	0.417000
HETATM12578	H2	WAT	3089	-5.173	14.553	-15.961	0.417000
HETATM12579	O	WAT	3090	8.134	15.380	4.308	-0.834000
HETATM12580	H1	WAT	3090	8.010	15.253	3.368	0.417000
HETATM12581	H2	WAT	3090	8.807	16.058	4.372	0.417000
HETATM12582	O	WAT	3091	-18.774	21.301	-19.897	-0.834000
HETATM12583	H1	WAT	3091	-18.902	21.193	-18.954	0.417000
HETATM12584	H2	WAT	3091	-18.684	22.246	-20.020	0.417000
HETATM12585	O	WAT	3092	9.331	2.978	25.433	-0.834000
HETATM12586	H1	WAT	3092	9.679	3.629	24.824	0.417000
HETATM12587	H2	WAT	3092	9.738	3.194	26.272	0.417000
HETATM12588	O	WAT	3093	-25.987	-5.096	-3.804	-0.834000
HETATM12589	H1	WAT	3093	-26.002	-5.724	-4.527	0.417000
HETATM12590	H2	WAT	3093	-26.906	-4.870	-3.664	0.417000
HETATM12591	O	WAT	3094	8.696	-1.765	-32.807	-0.834000
HETATM12592	H1	WAT	3094	7.953	-1.237	-33.098	0.417000
HETATM12593	H2	WAT	3094	9.435	-1.156	-32.802	0.417000
HETATM12594	O	WAT	3095	-22.835	11.977	-17.093	-0.834000
HETATM12595	H1	WAT	3095	-21.910	12.001	-17.335	0.417000
HETATM12596	H2	WAT	3095	-23.260	11.516	-17.816	0.417000
HETATM12597	O	WAT	3096	-9.142	25.059	11.302	-0.834000

HETATM12598	H1	WAT	3096	-8.808	24.561	12.049	0.417000
HETATM12599	H2	WAT	3096	-9.587	25.810	11.695	0.417000
HETATM12600	O	WAT	3097	21.555	17.758	-19.977	-0.834000
HETATM12601	H1	WAT	3097	21.720	18.175	-20.822	0.417000
HETATM12602	H2	WAT	3097	20.701	17.338	-20.078	0.417000
HETATM12603	O	WAT	3098	-27.043	5.720	-4.855	-0.834000
HETATM12604	H1	WAT	3098	-26.570	6.551	-4.831	0.417000
HETATM12605	H2	WAT	3098	-27.230	5.524	-3.937	0.417000
HETATM12606	O	WAT	3099	7.255	-5.584	16.217	-0.834000
HETATM12607	H1	WAT	3099	7.657	-6.376	15.859	0.417000
HETATM12608	H2	WAT	3099	7.842	-4.876	15.953	0.417000
HETATM12609	O	WAT	3100	14.955	18.797	3.756	-0.834000
HETATM12610	H1	WAT	3100	15.880	18.956	3.567	0.417000
HETATM12611	H2	WAT	3100	14.945	18.491	4.663	0.417000
HETATM12612	O	WAT	3101	-0.490	-3.373	25.422	-0.834000
HETATM12613	H1	WAT	3101	-1.280	-3.511	25.945	0.417000
HETATM12614	H2	WAT	3101	-0.771	-3.520	24.519	0.417000
HETATM12615	O	WAT	3102	26.990	-6.438	-20.538	-0.834000
HETATM12616	H1	WAT	3102	27.184	-7.212	-21.067	0.417000
HETATM12617	H2	WAT	3102	26.659	-5.796	-21.167	0.417000
HETATM12618	O	WAT	3103	33.533	8.357	3.700	-0.834000
HETATM12619	H1	WAT	3103	32.877	8.231	4.386	0.417000
HETATM12620	H2	WAT	3103	34.121	9.026	4.052	0.417000
HETATM12621	O	WAT	3104	25.461	-20.435	5.636	-0.834000
HETATM12622	H1	WAT	3104	25.088	-21.293	5.431	0.417000
HETATM12623	H2	WAT	3104	24.961	-19.821	5.098	0.417000
HETATM12624	O	WAT	3105	6.369	34.117	5.809	-0.834000
HETATM12625	H1	WAT	3105	5.815	33.536	5.289	0.417000
HETATM12626	H2	WAT	3105	5.888	34.945	5.837	0.417000
HETATM12627	O	WAT	3106	-8.019	-20.447	-0.085	-0.834000
HETATM12628	H1	WAT	3106	-8.550	-20.472	-0.881	0.417000
HETATM12629	H2	WAT	3106	-8.214	-19.596	0.307	0.417000
HETATM12630	O	WAT	3107	-20.242	-18.245	-16.885	-0.834000
HETATM12631	H1	WAT	3107	-19.565	-17.971	-17.504	0.417000
HETATM12632	H2	WAT	3107	-20.993	-17.688	-17.089	0.417000
HETATM12633	O	WAT	3108	25.491	3.111	-22.540	-0.834000
HETATM12634	H1	WAT	3108	26.150	2.695	-23.096	0.417000
HETATM12635	H2	WAT	3108	24.687	3.082	-23.059	0.417000
HETATM12636	O	WAT	3109	-24.258	-8.227	-19.299	-0.834000
HETATM12637	H1	WAT	3109	-23.630	-7.523	-19.136	0.417000
HETATM12638	H2	WAT	3109	-24.720	-8.333	-18.468	0.417000
HETATM12639	O	WAT	3110	5.884	29.406	-15.165	-0.834000
HETATM12640	H1	WAT	3110	4.967	29.669	-15.085	0.417000
HETATM12641	H2	WAT	3110	5.902	28.502	-14.852	0.417000
HETATM12642	O	WAT	3111	-4.108	31.372	1.621	-0.834000
HETATM12643	H1	WAT	3111	-4.833	31.886	1.267	0.417000
HETATM12644	H2	WAT	3111	-3.903	30.740	0.932	0.417000
HETATM12645	O	WAT	3112	7.581	-19.017	-15.850	-0.834000
HETATM12646	H1	WAT	3112	7.148	-18.169	-15.951	0.417000
HETATM12647	H2	WAT	3112	8.516	-18.813	-15.863	0.417000
HETATM12648	O	WAT	3113	20.682	-8.817	-24.988	-0.834000
HETATM12649	H1	WAT	3113	20.354	-9.417	-25.657	0.417000
HETATM12650	H2	WAT	3113	21.204	-8.179	-25.474	0.417000
HETATM12651	O	WAT	3114	13.323	15.637	-1.343	-0.834000
HETATM12652	H1	WAT	3114	14.013	16.289	-1.463	0.417000
HETATM12653	H2	WAT	3114	13.197	15.259	-2.213	0.417000
HETATM12654	O	WAT	3115	-14.707	-27.481	-7.988	-0.834000
HETATM12655	H1	WAT	3115	-15.032	-27.645	-7.102	0.417000
HETATM12656	H2	WAT	3115	-15.444	-27.070	-8.441	0.417000
HETATM12657	O	WAT	3116	4.611	18.685	-18.329	-0.834000
HETATM12658	H1	WAT	3116	3.906	18.227	-18.787	0.417000
HETATM12659	H2	WAT	3116	4.380	19.612	-18.401	0.417000
HETATM12660	O	WAT	3117	-17.868	25.482	-15.548	-0.834000
HETATM12661	H1	WAT	3117	-17.543	26.012	-14.820	0.417000
HETATM12662	H2	WAT	3117	-17.085	25.261	-16.052	0.417000
HETATM12663	O	WAT	3118	10.380	17.662	-20.854	-0.834000
HETATM12664	H1	WAT	3118	10.126	18.185	-21.614	0.417000
HETATM12665	H2	WAT	3118	9.993	16.802	-21.015	0.417000
HETATM12666	O	WAT	3119	5.320	-30.361	3.125	-0.834000
HETATM12667	H1	WAT	3119	4.421	-30.147	3.376	0.417000

HETATM12668	H2	WAT	3119	5.746	-30.608	3.945	0.417000
HETATM12669	O	WAT	3120	-28.129	-15.503	-9.184	-0.834000
HETATM12670	H1	WAT	3120	-27.412	-16.102	-8.975	0.417000
HETATM12671	H2	WAT	3120	-27.874	-14.674	-8.779	0.417000
HETATM12672	O	WAT	3121	-9.391	-22.625	-10.256	-0.834000
HETATM12673	H1	WAT	3121	-9.270	-22.150	-9.435	0.417000
HETATM12674	H2	WAT	3121	-8.924	-23.450	-10.127	0.417000
HETATM12675	O	WAT	3122	-4.433	27.444	-14.114	-0.834000
HETATM12676	H1	WAT	3122	-4.739	28.022	-13.414	0.417000
HETATM12677	H2	WAT	3122	-4.208	28.036	-14.831	0.417000
HETATM12678	O	WAT	3123	2.162	-15.601	-29.413	-0.834000
HETATM12679	H1	WAT	3123	2.095	-15.023	-30.173	0.417000
HETATM12680	H2	WAT	3123	2.933	-15.287	-28.941	0.417000
HETATM12681	O	WAT	3124	1.776	0.934	30.338	-0.834000
HETATM12682	H1	WAT	3124	1.601	0.279	29.662	0.417000
HETATM12683	H2	WAT	3124	1.115	0.767	31.010	0.417000
HETATM12684	O	WAT	3125	11.234	-14.189	-25.325	-0.834000
HETATM12685	H1	WAT	3125	10.510	-13.592	-25.516	0.417000
HETATM12686	H2	WAT	3125	10.909	-14.737	-24.610	0.417000
HETATM12687	O	WAT	3126	11.861	-23.149	6.100	-0.834000
HETATM12688	H1	WAT	3126	11.106	-23.182	6.687	0.417000
HETATM12689	H2	WAT	3126	12.495	-22.597	6.557	0.417000
HETATM12690	O	WAT	3127	-21.287	-2.691	-12.862	-0.834000
HETATM12691	H1	WAT	3127	-21.574	-2.898	-13.751	0.417000
HETATM12692	H2	WAT	3127	-21.485	-3.480	-12.357	0.417000
HETATM12693	O	WAT	3128	-6.366	-27.512	-5.374	-0.834000
HETATM12694	H1	WAT	3128	-6.445	-26.670	-4.926	0.417000
HETATM12695	H2	WAT	3128	-5.947	-28.086	-4.733	0.417000
HETATM12696	O	WAT	3129	6.638	-25.856	-11.000	-0.834000
HETATM12697	H1	WAT	3129	7.180	-25.218	-10.537	0.417000
HETATM12698	H2	WAT	3129	7.265	-26.431	-11.439	0.417000
HETATM12699	O	WAT	3130	16.520	-20.826	22.495	-0.834000
HETATM12700	H1	WAT	3130	17.022	-20.022	22.629	0.417000
HETATM12701	H2	WAT	3130	15.774	-20.555	21.959	0.417000
HETATM12702	O	WAT	3131	-12.858	27.420	-10.829	-0.834000
HETATM12703	H1	WAT	3131	-12.222	26.735	-10.625	0.417000
HETATM12704	H2	WAT	3131	-13.472	27.403	-10.095	0.417000
HETATM12705	O	WAT	3132	9.400	-22.443	-20.380	-0.834000
HETATM12706	H1	WAT	3132	9.660	-23.328	-20.127	0.417000
HETATM12707	H2	WAT	3132	9.558	-21.914	-19.598	0.417000
HETATM12708	O	WAT	3133	25.819	-13.138	-1.920	-0.834000
HETATM12709	H1	WAT	3133	26.075	-12.325	-1.484	0.417000
HETATM12710	H2	WAT	3133	24.888	-13.234	-1.719	0.417000
HETATM12711	O	WAT	3134	9.169	-1.300	19.447	-0.834000
HETATM12712	H1	WAT	3134	9.605	-1.824	18.774	0.417000
HETATM12713	H2	WAT	3134	9.461	-1.683	20.274	0.417000
HETATM12714	O	WAT	3135	18.404	2.255	20.768	-0.834000
HETATM12715	H1	WAT	3135	19.183	1.942	20.307	0.417000
HETATM12716	H2	WAT	3135	18.070	2.964	20.219	0.417000
HETATM12717	O	WAT	3136	-18.516	-16.902	-9.914	-0.834000
HETATM12718	H1	WAT	3136	-18.539	-15.949	-10.000	0.417000
HETATM12719	H2	WAT	3136	-17.857	-17.184	-10.547	0.417000
HETATM12720	O	WAT	3137	-21.681	23.798	-14.141	-0.834000
HETATM12721	H1	WAT	3137	-21.356	23.871	-13.244	0.417000
HETATM12722	H2	WAT	3137	-21.962	24.685	-14.367	0.417000
HETATM12723	O	WAT	3138	-15.657	-22.798	-11.549	-0.834000
HETATM12724	H1	WAT	3138	-15.697	-22.541	-10.628	0.417000
HETATM12725	H2	WAT	3138	-15.694	-23.754	-11.533	0.417000
HETATM12726	O	WAT	3139	21.966	1.908	-2.784	-0.834000
HETATM12727	H1	WAT	3139	21.489	2.281	-2.043	0.417000
HETATM12728	H2	WAT	3139	21.915	0.962	-2.651	0.417000
HETATM12729	O	WAT	3140	-24.961	1.048	11.608	-0.834000
HETATM12730	H1	WAT	3140	-25.222	0.542	10.839	0.417000
HETATM12731	H2	WAT	3140	-25.242	1.943	11.413	0.417000
HETATM12732	O	WAT	3141	-22.772	-14.272	-15.932	-0.834000
HETATM12733	H1	WAT	3141	-22.146	-13.549	-15.910	0.417000
HETATM12734	H2	WAT	3141	-23.629	-13.847	-15.973	0.417000
HETATM12735	O	WAT	3142	-18.781	11.989	24.601	-0.834000
HETATM12736	H1	WAT	3142	-18.167	12.722	24.555	0.417000
HETATM12737	H2	WAT	3142	-19.317	12.173	25.372	0.417000

HETATM12738	O	WAT	3143	-5.752	26.118	9.975	-0.834000
HETATM12739	H1	WAT	3143	-5.800	26.811	9.316	0.417000
HETATM12740	H2	WAT	3143	-5.802	26.580	10.812	0.417000
HETATM12741	O	WAT	3144	-17.355	-24.193	-7.524	-0.834000
HETATM12742	H1	WAT	3144	-17.157	-24.965	-8.055	0.417000
HETATM12743	H2	WAT	3144	-18.281	-24.020	-7.690	0.417000
HETATM12744	O	WAT	3145	8.897	-28.283	-8.138	-0.834000
HETATM12745	H1	WAT	3145	8.576	-28.590	-8.986	0.417000
HETATM12746	H2	WAT	3145	8.262	-27.620	-7.868	0.417000
HETATM12747	O	WAT	3146	13.737	-8.897	-18.960	-0.834000
HETATM12748	H1	WAT	3146	14.453	-8.522	-19.474	0.417000
HETATM12749	H2	WAT	3146	14.160	-9.227	-18.167	0.417000
HETATM12750	O	WAT	3147	12.849	-20.207	-21.678	-0.834000
HETATM12751	H1	WAT	3147	12.651	-20.106	-20.747	0.417000
HETATM12752	H2	WAT	3147	12.122	-20.727	-22.022	0.417000
HETATM12753	O	WAT	3148	-5.844	-7.326	20.998	-0.834000
HETATM12754	H1	WAT	3148	-5.097	-7.348	21.596	0.417000
HETATM12755	H2	WAT	3148	-5.452	-7.319	20.125	0.417000
HETATM12756	O	WAT	3149	-21.401	3.144	2.196	-0.834000
HETATM12757	H1	WAT	3149	-21.909	2.933	2.979	0.417000
HETATM12758	H2	WAT	3149	-21.984	3.694	1.673	0.417000
HETATM12759	O	WAT	3150	12.935	-30.011	11.687	-0.834000
HETATM12760	H1	WAT	3150	13.846	-29.777	11.511	0.417000
HETATM12761	H2	WAT	3150	12.925	-30.260	12.611	0.417000
HETATM12762	O	WAT	3151	10.018	-14.102	-30.830	-0.834000
HETATM12763	H1	WAT	3151	10.421	-14.956	-30.677	0.417000
HETATM12764	H2	WAT	3151	10.591	-13.483	-30.377	0.417000
HETATM12765	O	WAT	3152	-2.099	22.458	22.696	-0.834000
HETATM12766	H1	WAT	3152	-2.099	22.203	21.773	0.417000
HETATM12767	H2	WAT	3152	-2.732	21.869	23.107	0.417000
HETATM12768	O	WAT	3153	-19.865	9.209	8.953	-0.834000
HETATM12769	H1	WAT	3153	-20.152	9.279	8.043	0.417000
HETATM12770	H2	WAT	3153	-20.584	9.586	9.460	0.417000
HETATM12771	O	WAT	3154	-14.138	-26.896	1.919	-0.834000
HETATM12772	H1	WAT	3154	-14.914	-27.260	1.493	0.417000
HETATM12773	H2	WAT	3154	-14.456	-26.579	2.765	0.417000
HETATM12774	O	WAT	3155	-15.934	5.151	-7.118	-0.834000
HETATM12775	H1	WAT	3155	-16.723	5.245	-6.585	0.417000
HETATM12776	H2	WAT	3155	-15.738	6.040	-7.415	0.417000
HETATM12777	O	WAT	3156	-23.052	4.700	-19.637	-0.834000
HETATM12778	H1	WAT	3156	-23.991	4.522	-19.705	0.417000
HETATM12779	H2	WAT	3156	-22.996	5.486	-19.094	0.417000
HETATM12780	O	WAT	3157	8.876	26.055	20.944	-0.834000
HETATM12781	H1	WAT	3157	9.361	25.368	20.486	0.417000
HETATM12782	H2	WAT	3157	8.272	26.401	20.287	0.417000
HETATM12783	O	WAT	3158	17.790	8.723	24.434	-0.834000
HETATM12784	H1	WAT	3158	17.888	9.501	24.984	0.417000
HETATM12785	H2	WAT	3158	17.963	7.989	25.025	0.417000
HETATM12786	O	WAT	3159	20.327	13.029	21.722	-0.834000
HETATM12787	H1	WAT	3159	19.455	13.266	22.037	0.417000
HETATM12788	H2	WAT	3159	20.207	12.179	21.299	0.417000
HETATM12789	O	WAT	3160	6.467	10.129	-31.732	-0.834000
HETATM12790	H1	WAT	3160	6.469	10.985	-32.159	0.417000
HETATM12791	H2	WAT	3160	5.542	9.941	-31.574	0.417000
HETATM12792	O	WAT	3161	23.885	15.472	6.558	-0.834000
HETATM12793	H1	WAT	3161	23.275	14.862	6.143	0.417000
HETATM12794	H2	WAT	3161	23.649	15.453	7.485	0.417000
HETATM12795	O	WAT	3162	13.433	16.974	18.541	-0.834000
HETATM12796	H1	WAT	3162	13.041	16.285	18.004	0.417000
HETATM12797	H2	WAT	3162	14.060	16.514	19.099	0.417000
HETATM12798	O	WAT	3163	-11.928	-21.967	18.002	-0.834000
HETATM12799	H1	WAT	3163	-11.305	-22.677	18.155	0.417000
HETATM12800	H2	WAT	3163	-12.783	-22.397	17.989	0.417000
HETATM12801	O	WAT	3164	-1.298	28.847	-4.007	-0.834000
HETATM12802	H1	WAT	3164	-2.066	28.727	-3.449	0.417000
HETATM12803	H2	WAT	3164	-1.601	28.611	-4.884	0.417000
HETATM12804	O	WAT	3165	-7.919	9.964	-16.867	-0.834000
HETATM12805	H1	WAT	3165	-7.737	10.849	-16.551	0.417000
HETATM12806	H2	WAT	3165	-8.543	10.089	-17.582	0.417000
HETATM12807	O	WAT	3166	18.472	-4.685	17.896	-0.834000

HETATM12808	H1	WAT	3166	17.983	-4.512	18.700	0.417000
HETATM12809	H2	WAT	3166	19.233	-5.190	18.182	0.417000
HETATM12810	O	WAT	3167	10.415	17.891	28.438	-0.834000
HETATM12811	H1	WAT	3167	9.593	18.093	28.884	0.417000
HETATM12812	H2	WAT	3167	10.173	17.807	27.516	0.417000
HETATM12813	O	WAT	3168	20.804	1.282	-7.151	-0.834000
HETATM12814	H1	WAT	3168	20.954	0.405	-6.797	0.417000
HETATM12815	H2	WAT	3168	21.267	1.866	-6.550	0.417000
HETATM12816	O	WAT	3169	-17.925	-26.448	4.781	-0.834000
HETATM12817	H1	WAT	3169	-18.784	-26.701	5.118	0.417000
HETATM12818	H2	WAT	3169	-18.099	-26.135	3.893	0.417000
HETATM12819	O	WAT	3170	-17.676	9.673	-23.495	-0.834000
HETATM12820	H1	WAT	3170	-17.102	8.922	-23.343	0.417000
HETATM12821	H2	WAT	3170	-17.372	10.043	-24.324	0.417000
HETATM12822	O	WAT	3171	-13.429	3.994	-15.671	-0.834000
HETATM12823	H1	WAT	3171	-13.889	3.900	-16.505	0.417000
HETATM12824	H2	WAT	3171	-12.917	3.190	-15.587	0.417000
HETATM12825	O	WAT	3172	17.553	-16.286	-24.567	-0.834000
HETATM12826	H1	WAT	3172	17.764	-17.213	-24.456	0.417000
HETATM12827	H2	WAT	3172	16.599	-16.266	-24.645	0.417000
HETATM12828	O	WAT	3173	7.493	12.688	1.686	-0.834000
HETATM12829	H1	WAT	3173	7.304	13.615	1.542	0.417000
HETATM12830	H2	WAT	3173	8.415	12.668	1.942	0.417000
HETATM12831	O	WAT	3174	-25.103	13.349	16.199	-0.834000
HETATM12832	H1	WAT	3174	-25.226	13.190	15.263	0.417000
HETATM12833	H2	WAT	3174	-25.903	13.797	16.473	0.417000
HETATM12834	O	WAT	3175	-24.858	5.837	-14.956	-0.834000
HETATM12835	H1	WAT	3175	-24.954	6.184	-14.069	0.417000
HETATM12836	H2	WAT	3175	-23.921	5.909	-15.140	0.417000
HETATM12837	O	WAT	3176	3.764	23.917	17.310	-0.834000
HETATM12838	H1	WAT	3176	2.869	23.623	17.139	0.417000
HETATM12839	H2	WAT	3176	4.265	23.612	16.553	0.417000
HETATM12840	O	WAT	3177	-0.466	-9.321	15.575	-0.834000
HETATM12841	H1	WAT	3177	-0.387	-9.706	14.702	0.417000
HETATM12842	H2	WAT	3177	0.433	-9.283	15.902	0.417000
HETATM12843	O	WAT	3178	-21.552	0.451	-4.345	-0.834000
HETATM12844	H1	WAT	3178	-20.690	0.247	-3.982	0.417000
HETATM12845	H2	WAT	3178	-21.646	-0.145	-5.087	0.417000
HETATM12846	O	WAT	3179	25.898	-14.391	9.158	-0.834000
HETATM12847	H1	WAT	3179	25.522	-15.270	9.205	0.417000
HETATM12848	H2	WAT	3179	25.164	-13.830	8.904	0.417000
HETATM12849	O	WAT	3180	23.399	14.210	1.982	-0.834000
HETATM12850	H1	WAT	3180	22.960	14.402	1.153	0.417000
HETATM12851	H2	WAT	3180	22.878	14.669	2.641	0.417000
HETATM12852	O	WAT	3181	-8.985	19.499	-22.520	-0.834000
HETATM12853	H1	WAT	3181	-9.401	19.627	-21.667	0.417000
HETATM12854	H2	WAT	3181	-8.353	20.215	-22.587	0.417000
HETATM12855	O	WAT	3182	12.211	12.896	-23.155	-0.834000
HETATM12856	H1	WAT	3182	12.101	11.982	-23.418	0.417000
HETATM12857	H2	WAT	3182	13.160	13.017	-23.104	0.417000
HETATM12858	O	WAT	3183	-12.151	-13.634	24.285	-0.834000
HETATM12859	H1	WAT	3183	-11.723	-13.727	25.136	0.417000
HETATM12860	H2	WAT	3183	-12.797	-14.340	24.263	0.417000
HETATM12861	O	WAT	3184	20.722	-18.494	-15.762	-0.834000
HETATM12862	H1	WAT	3184	20.337	-17.744	-16.215	0.417000
HETATM12863	H2	WAT	3184	21.254	-18.928	-16.428	0.417000
HETATM12864	O	WAT	3185	-1.816	-19.901	1.755	-0.834000
HETATM12865	H1	WAT	3185	-1.274	-19.875	2.544	0.417000
HETATM12866	H2	WAT	3185	-2.601	-19.406	1.987	0.417000
HETATM12867	O	WAT	3186	30.201	-12.490	4.595	-0.834000
HETATM12868	H1	WAT	3186	29.544	-11.799	4.675	0.417000
HETATM12869	H2	WAT	3186	31.037	-12.044	4.732	0.417000
HETATM12870	O	WAT	3187	-0.062	-10.263	13.047	-0.834000
HETATM12871	H1	WAT	3187	0.708	-9.971	12.558	0.417000
HETATM12872	H2	WAT	3187	-0.497	-10.883	12.462	0.417000
HETATM12873	O	WAT	3188	7.296	-16.841	20.369	-0.834000
HETATM12874	H1	WAT	3188	7.818	-16.869	21.171	0.417000
HETATM12875	H2	WAT	3188	7.314	-17.740	20.040	0.417000
HETATM12876	O	WAT	3189	31.877	12.805	4.761	-0.834000
HETATM12877	H1	WAT	3189	31.922	11.994	5.267	0.417000

HETATM12878	H2	WAT	3189	32.356	13.444	5.288	0.417000
HETATM12879	O	WAT	3190	-0.985	32.008	-7.059	-0.834000
HETATM12880	H1	WAT	3190	-1.072	32.362	-7.944	0.417000
HETATM12881	H2	WAT	3190	-1.864	32.080	-6.686	0.417000
HETATM12882	O	WAT	3191	-3.990	25.605	3.419	-0.834000
HETATM12883	H1	WAT	3191	-4.027	25.779	4.360	0.417000
HETATM12884	H2	WAT	3191	-4.902	25.649	3.132	0.417000
HETATM12885	O	WAT	3192	14.515	16.397	-6.107	-0.834000
HETATM12886	H1	WAT	3192	15.340	15.930	-5.972	0.417000
HETATM12887	H2	WAT	3192	14.748	17.137	-6.667	0.417000
HETATM12888	O	WAT	3193	-5.323	-29.519	9.166	-0.834000
HETATM12889	H1	WAT	3193	-5.898	-28.939	9.665	0.417000
HETATM12890	H2	WAT	3193	-5.803	-29.695	8.357	0.417000
HETATM12891	O	WAT	3194	24.819	1.219	-20.649	-0.834000
HETATM12892	H1	WAT	3194	25.487	1.262	-19.965	0.417000
HETATM12893	H2	WAT	3194	25.070	1.899	-21.274	0.417000
HETATM12894	O	WAT	3195	11.289	-26.875	-1.796	-0.834000
HETATM12895	H1	WAT	3195	11.761	-26.056	-1.649	0.417000
HETATM12896	H2	WAT	3195	11.350	-27.020	-2.741	0.417000
HETATM12897	O	WAT	3196	-3.587	-27.378	9.225	-0.834000
HETATM12898	H1	WAT	3196	-3.646	-27.191	8.288	0.417000
HETATM12899	H2	WAT	3196	-4.112	-28.170	9.345	0.417000
HETATM12900	O	WAT	3197	30.466	9.101	-0.008	-0.834000
HETATM12901	H1	WAT	3197	30.575	8.241	-0.412	0.417000
HETATM12902	H2	WAT	3197	31.296	9.263	0.440	0.417000
HETATM12903	O	WAT	3198	10.137	-20.958	13.892	-0.834000
HETATM12904	H1	WAT	3198	9.860	-20.157	13.447	0.417000
HETATM12905	H2	WAT	3198	10.022	-20.766	14.823	0.417000
HETATM12906	O	WAT	3199	19.074	16.699	-20.077	-0.834000
HETATM12907	H1	WAT	3199	19.205	16.060	-19.377	0.417000
HETATM12908	H2	WAT	3199	18.465	16.272	-20.680	0.417000
HETATM12909	O	WAT	3200	-33.103	-0.691	8.890	-0.834000
HETATM12910	H1	WAT	3200	-34.059	-0.733	8.873	0.417000
HETATM12911	H2	WAT	3200	-32.905	0.013	9.507	0.417000
HETATM12912	O	WAT	3201	21.754	-6.755	11.592	-0.834000
HETATM12913	H1	WAT	3201	21.137	-6.606	10.875	0.417000
HETATM12914	H2	WAT	3201	21.396	-6.252	12.324	0.417000
HETATM12915	O	WAT	3202	21.346	22.062	7.482	-0.834000
HETATM12916	H1	WAT	3202	21.062	22.046	6.568	0.417000
HETATM12917	H2	WAT	3202	22.046	21.411	7.527	0.417000
HETATM12918	O	WAT	3203	-27.712	-2.723	0.661	-0.834000
HETATM12919	H1	WAT	3203	-27.947	-3.517	1.141	0.417000
HETATM12920	H2	WAT	3203	-28.239	-2.760	-0.137	0.417000
HETATM12921	O	WAT	3204	11.369	5.006	-26.794	-0.834000
HETATM12922	H1	WAT	3204	11.311	5.950	-26.940	0.417000
HETATM12923	H2	WAT	3204	10.503	4.674	-27.031	0.417000
HETATM12924	O	WAT	3205	-14.883	27.975	6.902	-0.834000
HETATM12925	H1	WAT	3205	-15.385	28.716	6.563	0.417000
HETATM12926	H2	WAT	3205	-14.049	28.356	7.177	0.417000
HETATM12927	O	WAT	3206	2.495	-24.578	-20.732	-0.834000
HETATM12928	H1	WAT	3206	2.332	-25.368	-21.247	0.417000
HETATM12929	H2	WAT	3206	2.223	-24.811	-19.844	0.417000
HETATM12930	O	WAT	3207	18.029	22.480	1.208	-0.834000
HETATM12931	H1	WAT	3207	17.973	22.310	2.148	0.417000
HETATM12932	H2	WAT	3207	18.796	21.985	0.920	0.417000
HETATM12933	O	WAT	3208	-7.180	31.100	-12.476	-0.834000
HETATM12934	H1	WAT	3208	-7.977	31.330	-12.953	0.417000
HETATM12935	H2	WAT	3208	-7.458	31.036	-11.562	0.417000
HETATM12936	O	WAT	3209	10.585	13.805	-1.683	-0.834000
HETATM12937	H1	WAT	3209	10.710	13.157	-0.989	0.417000
HETATM12938	H2	WAT	3209	11.396	13.772	-2.190	0.417000
HETATM12939	O	WAT	3210	-1.105	27.563	18.470	-0.834000
HETATM12940	H1	WAT	3210	-1.768	27.963	17.907	0.417000
HETATM12941	H2	WAT	3210	-0.616	28.304	18.828	0.417000
HETATM12942	O	WAT	3211	-7.718	-13.400	-25.250	-0.834000
HETATM12943	H1	WAT	3211	-6.933	-13.673	-24.776	0.417000
HETATM12944	H2	WAT	3211	-7.701	-12.444	-25.211	0.417000
HETATM12945	O	WAT	3212	-4.985	-21.615	-11.369	-0.834000
HETATM12946	H1	WAT	3212	-4.995	-22.550	-11.164	0.417000
HETATM12947	H2	WAT	3212	-5.839	-21.449	-11.768	0.417000

HETATM12948	O	WAT	3213	-0.495	29.786	0.926	-0.834000
HETATM12949	H1	WAT	3213	-0.126	28.926	0.728	0.417000
HETATM12950	H2	WAT	3213	-0.858	29.694	1.807	0.417000
HETATM12951	O	WAT	3214	9.584	15.790	-16.342	-0.834000
HETATM12952	H1	WAT	3214	10.027	15.126	-16.871	0.417000
HETATM12953	H2	WAT	3214	9.578	16.571	-16.894	0.417000
HETATM12954	O	WAT	3215	16.829	13.063	24.996	-0.834000
HETATM12955	H1	WAT	3215	15.887	12.959	25.127	0.417000
HETATM12956	H2	WAT	3215	17.217	12.300	25.425	0.417000
HETATM12957	O	WAT	3216	-10.157	2.543	-33.147	-0.834000
HETATM12958	H1	WAT	3216	-10.640	1.915	-32.610	0.417000
HETATM12959	H2	WAT	3216	-10.734	3.305	-33.200	0.417000
HETATM12960	O	WAT	3217	-31.046	2.794	8.883	-0.834000
HETATM12961	H1	WAT	3217	-31.578	2.197	9.409	0.417000
HETATM12962	H2	WAT	3217	-30.555	3.307	9.525	0.417000
HETATM12963	O	WAT	3218	21.845	-26.173	5.843	-0.834000
HETATM12964	H1	WAT	3218	21.501	-26.055	4.958	0.417000
HETATM12965	H2	WAT	3218	21.531	-25.408	6.326	0.417000
HETATM12966	O	WAT	3219	6.101	7.447	25.532	-0.834000
HETATM12967	H1	WAT	3219	6.003	8.283	25.077	0.417000
HETATM12968	H2	WAT	3219	5.352	6.927	25.242	0.417000
HETATM12969	O	WAT	3220	-11.662	-21.553	-7.064	-0.834000
HETATM12970	H1	WAT	3220	-10.759	-21.348	-7.307	0.417000
HETATM12971	H2	WAT	3220	-11.780	-21.139	-6.209	0.417000
HETATM12972	O	WAT	3221	-3.633	-16.920	30.325	-0.834000
HETATM12973	H1	WAT	3221	-3.852	-17.276	29.464	0.417000
HETATM12974	H2	WAT	3221	-3.939	-16.014	30.294	0.417000
HETATM12975	O	WAT	3222	-22.518	-10.969	-14.114	-0.834000
HETATM12976	H1	WAT	3222	-22.057	-10.140	-13.984	0.417000
HETATM12977	H2	WAT	3222	-21.952	-11.467	-14.704	0.417000
HETATM12978	O	WAT	3223	-6.342	-22.506	14.010	-0.834000
HETATM12979	H1	WAT	3223	-5.841	-22.073	13.318	0.417000
HETATM12980	H2	WAT	3223	-6.981	-23.044	13.541	0.417000
HETATM12981	O	WAT	3224	-4.371	-15.942	-22.127	-0.834000
HETATM12982	H1	WAT	3224	-4.061	-16.285	-21.289	0.417000
HETATM12983	H2	WAT	3224	-5.226	-16.354	-22.252	0.417000
HETATM12984	O	WAT	3225	-3.813	-32.339	3.818	-0.834000
HETATM12985	H1	WAT	3225	-3.694	-32.080	2.904	0.417000
HETATM12986	H2	WAT	3225	-2.990	-32.097	4.244	0.417000
HETATM12987	O	WAT	3226	-10.099	-1.336	32.084	-0.834000
HETATM12988	H1	WAT	3226	-10.913	-1.770	32.341	0.417000
HETATM12989	H2	WAT	3226	-10.318	-0.876	31.274	0.417000
HETATM12990	O	WAT	3227	8.381	6.416	22.152	-0.834000
HETATM12991	H1	WAT	3227	9.012	6.179	21.473	0.417000
HETATM12992	H2	WAT	3227	7.582	5.946	21.911	0.417000
HETATM12993	O	WAT	3228	-22.430	6.456	-7.394	-0.834000
HETATM12994	H1	WAT	3228	-21.536	6.575	-7.713	0.417000
HETATM12995	H2	WAT	3228	-22.964	7.009	-7.964	0.417000
HETATM12996	O	WAT	3229	-22.377	4.906	25.233	-0.834000
HETATM12997	H1	WAT	3229	-22.608	5.101	24.325	0.417000
HETATM12998	H2	WAT	3229	-23.046	4.286	25.522	0.417000
HETATM12999	O	WAT	3230	14.216	30.135	2.984	-0.834000
HETATM13000	H1	WAT	3230	13.569	30.673	3.442	0.417000
HETATM13001	H2	WAT	3230	13.725	29.726	2.271	0.417000
HETATM13002	O	WAT	3231	13.054	16.669	-24.640	-0.834000
HETATM13003	H1	WAT	3231	13.022	17.575	-24.946	0.417000
HETATM13004	H2	WAT	3231	13.476	16.190	-25.353	0.417000
HETATM13005	O	WAT	3232	20.788	26.570	-7.105	-0.834000
HETATM13006	H1	WAT	3232	21.136	25.702	-7.311	0.417000
HETATM13007	H2	WAT	3232	21.434	27.178	-7.465	0.417000
HETATM13008	O	WAT	3233	-30.180	-6.189	3.830	-0.834000
HETATM13009	H1	WAT	3233	-31.113	-6.399	3.799	0.417000
HETATM13010	H2	WAT	3233	-29.754	-7.019	4.042	0.417000
HETATM13011	O	WAT	3234	7.539	16.856	-25.887	-0.834000
HETATM13012	H1	WAT	3234	6.593	16.809	-26.023	0.417000
HETATM13013	H2	WAT	3234	7.706	17.776	-25.682	0.417000
HETATM13014	O	WAT	3235	23.656	-13.179	8.225	-0.834000
HETATM13015	H1	WAT	3235	22.921	-13.296	8.827	0.417000
HETATM13016	H2	WAT	3235	23.405	-13.670	7.443	0.417000
HETATM13017	O	WAT	3236	11.063	2.608	21.724	-0.834000

HETATM13018	H1	WAT	3236	11.757	2.864	21.116	0.417000
HETATM13019	H2	WAT	3236	10.401	2.193	21.170	0.417000
HETATM13020	O	WAT	3237	-19.468	8.861	-9.611	-0.834000
HETATM13021	H1	WAT	3237	-19.003	8.755	-10.441	0.417000
HETATM13022	H2	WAT	3237	-20.347	9.142	-9.864	0.417000
HETATM13023	O	WAT	3238	21.868	-12.009	3.358	-0.834000
HETATM13024	H1	WAT	3238	21.602	-12.861	3.703	0.417000
HETATM13025	H2	WAT	3238	22.337	-12.214	2.550	0.417000
HETATM13026	O	WAT	3239	-21.872	11.881	-23.748	-0.834000
HETATM13027	H1	WAT	3239	-21.444	12.515	-24.324	0.417000
HETATM13028	H2	WAT	3239	-21.352	11.083	-23.842	0.417000
HETATM13029	O	WAT	3240	28.194	8.402	-7.936	-0.834000
HETATM13030	H1	WAT	3240	27.413	8.234	-8.463	0.417000
HETATM13031	H2	WAT	3240	28.089	7.843	-7.166	0.417000
HETATM13032	O	WAT	3241	22.589	-22.022	6.899	-0.834000
HETATM13033	H1	WAT	3241	21.957	-22.738	6.972	0.417000
HETATM13034	H2	WAT	3241	23.246	-22.345	6.282	0.417000
HETATM13035	O	WAT	3242	-2.617	7.436	-28.687	-0.834000
HETATM13036	H1	WAT	3242	-3.534	7.404	-28.415	0.417000
HETATM13037	H2	WAT	3242	-2.433	8.369	-28.798	0.417000
HETATM13038	O	WAT	3243	-2.185	3.341	-25.344	-0.834000
HETATM13039	H1	WAT	3243	-1.766	4.178	-25.145	0.417000
HETATM13040	H2	WAT	3243	-2.333	2.937	-24.489	0.417000
HETATM13041	O	WAT	3244	0.577	-6.461	25.113	-0.834000
HETATM13042	H1	WAT	3244	1.349	-5.917	25.272	0.417000
HETATM13043	H2	WAT	3244	0.355	-6.299	24.197	0.417000
HETATM13044	O	WAT	3245	33.903	-0.842	0.056	-0.834000
HETATM13045	H1	WAT	3245	34.334	-0.983	0.899	0.417000
HETATM13046	H2	WAT	3245	32.996	-0.637	0.282	0.417000
HETATM13047	O	WAT	3246	-14.803	15.591	21.290	-0.834000
HETATM13048	H1	WAT	3246	-14.547	14.707	21.027	0.417000
HETATM13049	H2	WAT	3246	-15.700	15.495	21.611	0.417000
HETATM13050	O	WAT	3247	21.923	24.531	8.397	-0.834000
HETATM13051	H1	WAT	3247	21.698	23.650	8.097	0.417000
HETATM13052	H2	WAT	3247	22.469	24.890	7.698	0.417000
HETATM13053	O	WAT	3248	-14.352	-4.096	-5.987	-0.834000
HETATM13054	H1	WAT	3248	-14.802	-3.623	-5.288	0.417000
HETATM13055	H2	WAT	3248	-13.422	-3.949	-5.816	0.417000
HETATM13056	O	WAT	3249	-29.866	3.959	-13.877	-0.834000
HETATM13057	H1	WAT	3249	-29.885	4.709	-13.282	0.417000
HETATM13058	H2	WAT	3249	-30.618	3.427	-13.615	0.417000
HETATM13059	O	WAT	3250	-27.133	17.081	0.827	-0.834000
HETATM13060	H1	WAT	3250	-26.933	17.919	1.243	0.417000
HETATM13061	H2	WAT	3250	-27.624	16.595	1.489	0.417000
HETATM13062	O	WAT	3251	22.618	5.929	-19.961	-0.834000
HETATM13063	H1	WAT	3251	22.962	5.350	-19.281	0.417000
HETATM13064	H2	WAT	3251	23.396	6.239	-20.426	0.417000
HETATM13065	O	WAT	3252	-10.867	-20.863	-19.672	-0.834000
HETATM13066	H1	WAT	3252	-10.229	-20.922	-18.961	0.417000
HETATM13067	H2	WAT	3252	-11.717	-20.878	-19.232	0.417000
HETATM13068	O	WAT	3253	-5.403	9.031	-16.432	-0.834000
HETATM13069	H1	WAT	3253	-4.884	9.460	-17.112	0.417000
HETATM13070	H2	WAT	3253	-6.293	9.353	-16.571	0.417000
HETATM13071	O	WAT	3254	-11.403	17.760	-2.197	-0.834000
HETATM13072	H1	WAT	3254	-10.977	17.412	-1.414	0.417000
HETATM13073	H2	WAT	3254	-11.243	17.099	-2.870	0.417000
HETATM13074	O	WAT	3255	23.249	2.124	5.529	-0.834000
HETATM13075	H1	WAT	3255	23.714	2.849	5.111	0.417000
HETATM13076	H2	WAT	3255	23.474	1.358	5.001	0.417000
HETATM13077	O	WAT	3256	11.750	0.003	16.571	-0.834000
HETATM13078	H1	WAT	3256	12.181	-0.775	16.924	0.417000
HETATM13079	H2	WAT	3256	11.600	-0.204	15.649	0.417000
HETATM13080	O	WAT	3257	16.257	-12.126	-17.865	-0.834000
HETATM13081	H1	WAT	3257	16.697	-11.679	-18.588	0.417000
HETATM13082	H2	WAT	3257	15.810	-11.427	-17.387	0.417000
HETATM13083	O	WAT	3258	-11.438	6.692	-19.584	-0.834000
HETATM13084	H1	WAT	3258	-11.409	5.948	-20.186	0.417000
HETATM13085	H2	WAT	3258	-11.025	6.369	-18.783	0.417000
HETATM13086	O	WAT	3259	31.496	3.806	9.960	-0.834000
HETATM13087	H1	WAT	3259	31.942	3.022	9.641	0.417000

HETATM13088	H2	WAT	3259	31.414	4.366	9.187	0.417000
HETATM13089	O	WAT	3260	32.260	-0.556	-3.872	-0.834000
HETATM13090	H1	WAT	3260	31.413	-1.000	-3.849	0.417000
HETATM13091	H2	WAT	3260	32.043	0.370	-3.978	0.417000
HETATM13092	O	WAT	3261	14.910	19.235	0.880	-0.834000
HETATM13093	H1	WAT	3261	15.082	20.151	0.662	0.417000
HETATM13094	H2	WAT	3261	14.814	19.230	1.833	0.417000
HETATM13095	O	WAT	3262	-7.140	20.010	-7.838	-0.834000
HETATM13096	H1	WAT	3262	-7.131	19.082	-7.602	0.417000
HETATM13097	H2	WAT	3262	-6.393	20.383	-7.369	0.417000
HETATM13098	O	WAT	3263	7.649	31.570	-6.575	-0.834000
HETATM13099	H1	WAT	3263	8.454	31.991	-6.274	0.417000
HETATM13100	H2	WAT	3263	7.048	31.643	-5.833	0.417000
HETATM13101	O	WAT	3264	24.517	-1.333	-3.580	-0.834000
HETATM13102	H1	WAT	3264	24.434	-1.603	-4.495	0.417000
HETATM13103	H2	WAT	3264	25.165	-0.629	-3.596	0.417000
HETATM13104	O	WAT	3265	-7.352	-14.955	-30.077	-0.834000
HETATM13105	H1	WAT	3265	-7.694	-15.754	-29.675	0.417000
HETATM13106	H2	WAT	3265	-7.322	-14.321	-29.361	0.417000
HETATM13107	O	WAT	3266	-25.257	5.526	6.654	-0.834000
HETATM13108	H1	WAT	3266	-25.858	5.231	7.337	0.417000
HETATM13109	H2	WAT	3266	-25.392	6.473	6.607	0.417000
HETATM13110	O	WAT	3267	17.906	9.590	-2.128	-0.834000
HETATM13111	H1	WAT	3267	18.372	10.053	-1.433	0.417000
HETATM13112	H2	WAT	3267	18.572	9.033	-2.533	0.417000
HETATM13113	O	WAT	3268	16.111	-9.992	13.268	-0.834000
HETATM13114	H1	WAT	3268	15.490	-9.498	13.803	0.417000
HETATM13115	H2	WAT	3268	15.631	-10.188	12.463	0.417000
HETATM13116	O	WAT	3269	-2.262	-25.286	-9.902	-0.834000
HETATM13117	H1	WAT	3269	-1.357	-25.439	-10.173	0.417000
HETATM13118	H2	WAT	3269	-2.395	-25.881	-9.164	0.417000
HETATM13119	O	WAT	3270	10.690	0.501	27.388	-0.834000
HETATM13120	H1	WAT	3270	11.564	0.175	27.175	0.417000
HETATM13121	H2	WAT	3270	10.824	1.068	28.147	0.417000
HETATM13122	O	WAT	3271	18.504	-29.713	-4.846	-0.834000
HETATM13123	H1	WAT	3271	18.037	-29.539	-5.663	0.417000
HETATM13124	H2	WAT	3271	18.340	-28.940	-4.306	0.417000
HETATM13125	O	WAT	3272	0.374	24.771	5.562	-0.834000
HETATM13126	H1	WAT	3272	0.700	23.962	5.168	0.417000
HETATM13127	H2	WAT	3272	-0.511	24.554	5.857	0.417000
HETATM13128	O	WAT	3273	5.054	-0.297	24.621	-0.834000
HETATM13129	H1	WAT	3273	5.971	-0.032	24.684	0.417000
HETATM13130	H2	WAT	3273	4.592	0.299	25.212	0.417000
HETATM13131	O	WAT	3274	-3.926	19.760	-13.403	-0.834000
HETATM13132	H1	WAT	3274	-4.280	20.426	-12.814	0.417000
HETATM13133	H2	WAT	3274	-3.384	20.250	-14.021	0.417000
HETATM13134	O	WAT	3275	8.822	17.463	21.926	-0.834000
HETATM13135	H1	WAT	3275	8.087	17.096	21.435	0.417000
HETATM13136	H2	WAT	3275	9.210	18.105	21.332	0.417000
HETATM13137	O	WAT	3276	-5.019	20.516	-21.770	-0.834000
HETATM13138	H1	WAT	3276	-5.799	21.044	-21.940	0.417000
HETATM13139	H2	WAT	3276	-5.016	19.861	-22.468	0.417000
HETATM13140	O	WAT	3277	17.270	-20.192	3.595	-0.834000
HETATM13141	H1	WAT	3277	17.618	-19.301	3.622	0.417000
HETATM13142	H2	WAT	3277	17.729	-20.649	4.300	0.417000
HETATM13143	O	WAT	3278	21.165	-11.447	-21.216	-0.834000
HETATM13144	H1	WAT	3278	20.513	-10.746	-21.223	0.417000
HETATM13145	H2	WAT	3278	21.605	-11.356	-20.371	0.417000
HETATM13146	O	WAT	3279	23.533	-17.403	6.379	-0.834000
HETATM13147	H1	WAT	3279	23.947	-17.689	5.564	0.417000
HETATM13148	H2	WAT	3279	22.870	-18.070	6.558	0.417000
HETATM13149	O	WAT	3280	-1.735	18.015	-13.137	-0.834000
HETATM13150	H1	WAT	3280	-2.504	18.585	-13.119	0.417000
HETATM13151	H2	WAT	3280	-1.913	17.396	-13.845	0.417000
HETATM13152	O	WAT	3281	30.368	-10.084	1.303	-0.834000
HETATM13153	H1	WAT	3281	29.635	-10.683	1.448	0.417000
HETATM13154	H2	WAT	3281	29.960	-9.278	0.987	0.417000
HETATM13155	O	WAT	3282	3.831	6.158	24.748	-0.834000
HETATM13156	H1	WAT	3282	3.216	6.401	25.439	0.417000
HETATM13157	H2	WAT	3282	3.997	5.226	24.891	0.417000

HETATM13158	O	WAT	3283	-10.744	19.994	4.974	-0.834000
HETATM13159	H1	WAT	3283	-11.354	20.704	5.173	0.417000
HETATM13160	H2	WAT	3283	-11.305	19.259	4.726	0.417000
HETATM13161	O	WAT	3284	22.718	15.172	9.052	-0.834000
HETATM13162	H1	WAT	3284	22.589	14.309	9.446	0.417000
HETATM13163	H2	WAT	3284	21.834	15.475	8.846	0.417000
HETATM13164	O	WAT	3285	2.288	-20.440	15.529	-0.834000
HETATM13165	H1	WAT	3285	2.686	-19.573	15.606	0.417000
HETATM13166	H2	WAT	3285	1.391	-20.320	15.840	0.417000
HETATM13167	O	WAT	3286	19.560	23.850	-10.988	-0.834000
HETATM13168	H1	WAT	3286	19.451	23.194	-11.677	0.417000
HETATM13169	H2	WAT	3286	18.776	23.761	-10.446	0.417000
HETATM13170	O	WAT	3287	21.807	13.041	24.098	-0.834000
HETATM13171	H1	WAT	3287	21.520	13.890	24.436	0.417000
HETATM13172	H2	WAT	3287	21.446	13.001	23.213	0.417000
HETATM13173	O	WAT	3288	7.088	6.699	32.677	-0.834000
HETATM13174	H1	WAT	3288	6.658	6.248	33.404	0.417000
HETATM13175	H2	WAT	3288	6.388	6.847	32.041	0.417000
HETATM13176	O	WAT	3289	-1.401	-3.503	22.803	-0.834000
HETATM13177	H1	WAT	3289	-1.422	-2.770	22.187	0.417000
HETATM13178	H2	WAT	3289	-2.287	-3.865	22.775	0.417000
HETATM13179	O	WAT	3290	-12.264	-30.793	0.988	-0.834000
HETATM13180	H1	WAT	3290	-12.077	-29.874	1.180	0.417000
HETATM13181	H2	WAT	3290	-12.212	-30.853	0.034	0.417000
HETATM13182	O	WAT	3291	1.657	9.223	-24.726	-0.834000
HETATM13183	H1	WAT	3291	1.511	9.513	-25.626	0.417000
HETATM13184	H2	WAT	3291	2.458	8.701	-24.769	0.417000
HETATM13185	O	WAT	3292	23.743	19.815	-15.153	-0.834000
HETATM13186	H1	WAT	3292	23.883	20.419	-14.424	0.417000
HETATM13187	H2	WAT	3292	23.405	20.366	-15.859	0.417000
HETATM13188	O	WAT	3293	-1.219	5.582	27.322	-0.834000
HETATM13189	H1	WAT	3293	-1.604	4.812	26.903	0.417000
HETATM13190	H2	WAT	3293	-1.236	6.257	26.644	0.417000
HETATM13191	O	WAT	3294	23.933	22.034	-5.426	-0.834000
HETATM13192	H1	WAT	3294	24.218	22.926	-5.625	0.417000
HETATM13193	H2	WAT	3294	23.067	21.964	-5.827	0.417000
HETATM13194	O	WAT	3295	24.201	-0.412	11.683	-0.834000
HETATM13195	H1	WAT	3295	23.842	-0.349	12.568	0.417000
HETATM13196	H2	WAT	3295	23.961	-1.291	11.389	0.417000
HETATM13197	O	WAT	3296	28.954	0.886	18.825	-0.834000
HETATM13198	H1	WAT	3296	28.318	0.173	18.762	0.417000
HETATM13199	H2	WAT	3296	29.602	0.690	18.147	0.417000
HETATM13200	O	WAT	3297	-13.815	-0.612	-15.108	-0.834000
HETATM13201	H1	WAT	3297	-14.605	-0.071	-15.137	0.417000
HETATM13202	H2	WAT	3297	-14.023	-1.305	-14.481	0.417000
HETATM13203	O	WAT	3298	24.253	7.146	-22.057	-0.834000
HETATM13204	H1	WAT	3298	23.808	6.587	-22.694	0.417000
HETATM13205	H2	WAT	3298	25.119	6.752	-21.956	0.417000
HETATM13206	O	WAT	3299	18.469	-12.224	-11.136	-0.834000
HETATM13207	H1	WAT	3299	19.351	-12.447	-11.433	0.417000
HETATM13208	H2	WAT	3299	18.053	-13.069	-10.964	0.417000
HETATM13209	O	WAT	3300	14.229	-8.513	14.466	-0.834000
HETATM13210	H1	WAT	3300	13.353	-8.408	14.094	0.417000
HETATM13211	H2	WAT	3300	14.342	-7.747	15.030	0.417000
HETATM13212	O	WAT	3301	-10.459	27.908	-18.061	-0.834000
HETATM13213	H1	WAT	3301	-9.736	28.137	-17.476	0.417000
HETATM13214	H2	WAT	3301	-10.819	27.101	-17.693	0.417000
HETATM13215	O	WAT	3302	12.187	22.306	6.241	-0.834000
HETATM13216	H1	WAT	3302	12.422	21.746	5.501	0.417000
HETATM13217	H2	WAT	3302	12.926	22.226	6.845	0.417000
HETATM13218	O	WAT	3303	-11.166	29.257	-7.190	-0.834000
HETATM13219	H1	WAT	3303	-10.725	28.455	-7.469	0.417000
HETATM13220	H2	WAT	3303	-11.076	29.852	-7.934	0.417000
HETATM13221	O	WAT	3304	19.358	-5.222	-12.140	-0.834000
HETATM13222	H1	WAT	3304	20.273	-5.407	-11.927	0.417000
HETATM13223	H2	WAT	3304	19.330	-5.221	-13.097	0.417000
HETATM13224	O	WAT	3305	-22.997	-1.490	-11.047	-0.834000
HETATM13225	H1	WAT	3305	-22.451	-1.205	-10.314	0.417000
HETATM13226	H2	WAT	3305	-22.373	-1.792	-11.707	0.417000
HETATM13227	O	WAT	3306	10.156	15.159	-8.752	-0.834000

HETATM13228	H1	WAT	3306	9.813	15.084	-9.642	0.417000
HETATM13229	H2	WAT	3306	9.645	15.866	-8.357	0.417000
HETATM13230	O	WAT	3307	-17.801	13.660	-3.579	-0.834000
HETATM13231	H1	WAT	3307	-17.914	12.854	-3.076	0.417000
HETATM13232	H2	WAT	3307	-17.489	14.300	-2.939	0.417000
HETATM13233	O	WAT	3308	-3.006	29.551	5.614	-0.834000
HETATM13234	H1	WAT	3308	-3.057	30.394	6.067	0.417000
HETATM13235	H2	WAT	3308	-2.915	28.907	6.316	0.417000
HETATM13236	O	WAT	3309	-6.848	12.983	-13.523	-0.834000
HETATM13237	H1	WAT	3309	-6.144	13.619	-13.651	0.417000
HETATM13238	H2	WAT	3309	-7.021	12.637	-14.399	0.417000
HETATM13239	O	WAT	3310	1.181	-26.973	-1.676	-0.834000
HETATM13240	H1	WAT	3310	1.679	-26.944	-2.493	0.417000
HETATM13241	H2	WAT	3310	1.799	-27.317	-1.031	0.417000
HETATM13242	O	WAT	3311	-2.796	-13.988	23.357	-0.834000
HETATM13243	H1	WAT	3311	-2.360	-14.757	23.723	0.417000
HETATM13244	H2	WAT	3311	-2.968	-14.221	22.445	0.417000
HETATM13245	O	WAT	3312	23.810	16.333	-19.408	-0.834000
HETATM13246	H1	WAT	3312	23.045	16.867	-19.621	0.417000
HETATM13247	H2	WAT	3312	23.831	15.663	-20.092	0.417000
HETATM13248	O	WAT	3313	-2.098	-25.651	3.044	-0.834000
HETATM13249	H1	WAT	3313	-1.202	-25.511	2.737	0.417000
HETATM13250	H2	WAT	3313	-2.331	-24.833	3.483	0.417000
HETATM13251	O	WAT	3314	27.047	-1.016	-17.637	-0.834000
HETATM13252	H1	WAT	3314	26.847	-0.147	-17.986	0.417000
HETATM13253	H2	WAT	3314	27.845	-1.280	-18.096	0.417000
HETATM13254	O	WAT	3315	-9.921	-9.648	27.520	-0.834000
HETATM13255	H1	WAT	3315	-9.765	-9.924	26.617	0.417000
HETATM13256	H2	WAT	3315	-10.853	-9.813	27.663	0.417000
HETATM13257	O	WAT	3316	-16.832	27.191	-1.705	-0.834000
HETATM13258	H1	WAT	3316	-16.019	26.705	-1.840	0.417000
HETATM13259	H2	WAT	3316	-16.823	27.866	-2.384	0.417000
HETATM13260	O	WAT	3317	22.362	18.744	12.165	-0.834000
HETATM13261	H1	WAT	3317	22.149	17.867	12.482	0.417000
HETATM13262	H2	WAT	3317	21.513	19.148	11.989	0.417000
HETATM13263	O	WAT	3318	-11.901	-20.411	-4.611	-0.834000
HETATM13264	H1	WAT	3318	-12.523	-20.340	-3.887	0.417000
HETATM13265	H2	WAT	3318	-11.246	-19.737	-4.430	0.417000
HETATM13266	O	WAT	3319	-19.988	17.783	7.429	-0.834000
HETATM13267	H1	WAT	3319	-20.104	16.931	7.008	0.417000
HETATM13268	H2	WAT	3319	-20.148	17.614	8.358	0.417000
HETATM13269	O	WAT	3320	18.292	27.957	9.794	-0.834000
HETATM13270	H1	WAT	3320	18.737	27.360	9.192	0.417000
HETATM13271	H2	WAT	3320	19.000	28.378	10.281	0.417000
HETATM13272	O	WAT	3321	0.907	10.732	28.193	-0.834000
HETATM13273	H1	WAT	3321	0.418	10.113	28.735	0.417000
HETATM13274	H2	WAT	3321	1.748	10.300	28.037	0.417000
HETATM13275	O	WAT	3322	-5.057	-20.389	20.334	-0.834000
HETATM13276	H1	WAT	3322	-4.370	-20.949	19.971	0.417000
HETATM13277	H2	WAT	3322	-5.108	-19.649	19.729	0.417000
HETATM13278	O	WAT	3323	-9.646	21.119	21.222	-0.834000
HETATM13279	H1	WAT	3323	-10.128	20.323	21.447	0.417000
HETATM13280	H2	WAT	3323	-9.134	20.878	20.450	0.417000
HETATM13281	O	WAT	3324	4.034	4.922	31.482	-0.834000
HETATM13282	H1	WAT	3324	3.430	4.585	30.821	0.417000
HETATM13283	H2	WAT	3324	4.397	5.717	31.092	0.417000
HETATM13284	O	WAT	3325	6.211	-20.759	7.624	-0.834000
HETATM13285	H1	WAT	3325	5.519	-21.336	7.949	0.417000
HETATM13286	H2	WAT	3325	6.318	-20.103	8.313	0.417000
HETATM13287	O	WAT	3326	12.320	-9.781	17.950	-0.834000
HETATM13288	H1	WAT	3326	12.650	-10.517	17.434	0.417000
HETATM13289	H2	WAT	3326	13.105	-9.374	18.317	0.417000
HETATM13290	O	WAT	3327	-11.342	-1.045	-33.492	-0.834000
HETATM13291	H1	WAT	3327	-11.233	-0.502	-32.712	0.417000
HETATM13292	H2	WAT	3327	-10.524	-1.538	-33.557	0.417000
HETATM13293	O	WAT	3328	-17.595	-30.140	1.193	-0.834000
HETATM13294	H1	WAT	3328	-17.775	-30.270	2.125	0.417000
HETATM13295	H2	WAT	3328	-17.066	-30.897	0.944	0.417000
HETATM13296	O	WAT	3329	17.210	-6.395	-28.242	-0.834000
HETATM13297	H1	WAT	3329	18.040	-6.111	-28.625	0.417000

HETATM13298	H2	WAT	3329	17.231	-6.054	-27.347	0.417000
HETATM13299	O	WAT	3330	7.910	17.973	8.275	-0.834000
HETATM13300	H1	WAT	3330	8.057	18.661	7.626	0.417000
HETATM13301	H2	WAT	3330	8.755	17.873	8.714	0.417000
HETATM13302	O	WAT	3331	25.230	7.480	14.618	-0.834000
HETATM13303	H1	WAT	3331	24.709	6.849	14.121	0.417000
HETATM13304	H2	WAT	3331	25.416	7.037	15.446	0.417000
HETATM13305	O	WAT	3332	-29.626	-6.356	-17.685	-0.834000
HETATM13306	H1	WAT	3332	-29.337	-6.599	-16.806	0.417000
HETATM13307	H2	WAT	3332	-28.934	-5.783	-18.015	0.417000
HETATM13308	O	WAT	3333	22.319	-12.729	23.077	-0.834000
HETATM13309	H1	WAT	3333	22.151	-12.042	22.431	0.417000
HETATM13310	H2	WAT	3333	23.270	-12.836	23.072	0.417000
HETATM13311	O	WAT	3334	2.320	18.730	24.649	-0.834000
HETATM13312	H1	WAT	3334	2.859	17.940	24.681	0.417000
HETATM13313	H2	WAT	3334	2.071	18.888	25.560	0.417000
HETATM13314	O	WAT	3335	0.283	-25.988	-10.591	-0.834000
HETATM13315	H1	WAT	3335	0.653	-26.287	-9.761	0.417000
HETATM13316	H2	WAT	3335	1.038	-25.681	-11.093	0.417000
HETATM13317	O	WAT	3336	-4.080	10.276	-18.512	-0.834000
HETATM13318	H1	WAT	3336	-3.138	10.206	-18.358	0.417000
HETATM13319	H2	WAT	3336	-4.232	11.211	-18.652	0.417000
HETATM13320	O	WAT	3337	0.716	24.747	0.351	-0.834000
HETATM13321	H1	WAT	3337	0.599	24.106	1.053	0.417000
HETATM13322	H2	WAT	3337	1.656	24.737	0.173	0.417000
HETATM13323	O	WAT	3338	13.156	14.050	-6.094	-0.834000
HETATM13324	H1	WAT	3338	13.558	14.918	-6.078	0.417000
HETATM13325	H2	WAT	3338	13.517	13.633	-6.876	0.417000
HETATM13326	O	WAT	3339	-0.606	33.276	-2.772	-0.834000
HETATM13327	H1	WAT	3339	-0.821	32.864	-1.934	0.417000
HETATM13328	H2	WAT	3339	-0.299	32.555	-3.321	0.417000
HETATM13329	O	WAT	3340	23.214	1.940	10.487	-0.834000
HETATM13330	H1	WAT	3340	23.705	2.561	11.025	0.417000
HETATM13331	H2	WAT	3340	23.424	1.083	10.859	0.417000
HETATM13332	O	WAT	3341	-17.006	-5.930	24.121	-0.834000
HETATM13333	H1	WAT	3341	-17.680	-5.763	24.779	0.417000
HETATM13334	H2	WAT	3341	-17.462	-6.407	23.427	0.417000
HETATM13335	O	WAT	3342	-4.089	9.797	-26.731	-0.834000
HETATM13336	H1	WAT	3342	-4.543	9.023	-27.064	0.417000
HETATM13337	H2	WAT	3342	-4.785	10.347	-26.371	0.417000
HETATM13338	O	WAT	3343	-3.926	-15.594	11.440	-0.834000
HETATM13339	H1	WAT	3343	-3.996	-16.495	11.755	0.417000
HETATM13340	H2	WAT	3343	-3.755	-15.680	10.503	0.417000
HETATM13341	O	WAT	3344	16.276	2.174	-21.513	-0.834000
HETATM13342	H1	WAT	3344	16.097	2.972	-21.016	0.417000
HETATM13343	H2	WAT	3344	16.715	2.480	-22.307	0.417000
HETATM13344	O	WAT	3345	-2.092	-20.534	-17.734	-0.834000
HETATM13345	H1	WAT	3345	-1.241	-20.728	-18.126	0.417000
HETATM13346	H2	WAT	3345	-2.640	-20.266	-18.471	0.417000
HETATM13347	O	WAT	3346	-25.954	13.378	-4.172	-0.834000
HETATM13348	H1	WAT	3346	-26.444	13.447	-3.353	0.417000
HETATM13349	H2	WAT	3346	-26.624	13.396	-4.855	0.417000
HETATM13350	O	WAT	3347	-21.374	12.304	15.687	-0.834000
HETATM13351	H1	WAT	3347	-21.945	11.721	15.187	0.417000
HETATM13352	H2	WAT	3347	-21.532	13.171	15.315	0.417000
HETATM13353	O	WAT	3348	9.593	9.507	-23.420	-0.834000
HETATM13354	H1	WAT	3348	9.167	9.725	-22.592	0.417000
HETATM13355	H2	WAT	3348	9.135	10.038	-24.072	0.417000
HETATM13356	O	WAT	3349	-9.465	7.783	28.954	-0.834000
HETATM13357	H1	WAT	3349	-9.140	7.088	29.527	0.417000
HETATM13358	H2	WAT	3349	-8.750	8.417	28.916	0.417000
HETATM13359	O	WAT	3350	14.507	1.368	19.175	-0.834000
HETATM13360	H1	WAT	3350	13.999	2.064	19.591	0.417000
HETATM13361	H2	WAT	3350	14.318	1.459	18.241	0.417000
HETATM13362	O	WAT	3351	-3.259	-7.874	26.752	-0.834000
HETATM13363	H1	WAT	3351	-2.327	-8.083	26.693	0.417000
HETATM13364	H2	WAT	3351	-3.671	-8.430	26.090	0.417000
HETATM13365	O	WAT	3352	-2.880	4.268	-35.269	-0.834000
HETATM13366	H1	WAT	3352	-2.545	5.153	-35.127	0.417000
HETATM13367	H2	WAT	3352	-3.209	3.996	-34.412	0.417000

HETATM13368	O	WAT	3353	15.053	9.768	-16.689	-0.834000
HETATM13369	H1	WAT	3353	15.558	10.563	-16.515	0.417000
HETATM13370	H2	WAT	3353	14.206	9.926	-16.271	0.417000
HETATM13371	O	WAT	3354	1.182	19.524	9.251	-0.834000
HETATM13372	H1	WAT	3354	1.519	18.640	9.104	0.417000
HETATM13373	H2	WAT	3354	0.381	19.565	8.728	0.417000
HETATM13374	O	WAT	3355	-19.627	-18.241	-1.213	-0.834000
HETATM13375	H1	WAT	3355	-20.401	-18.801	-1.280	0.417000
HETATM13376	H2	WAT	3355	-19.601	-17.768	-2.045	0.417000
HETATM13377	O	WAT	3356	-22.779	17.961	14.487	-0.834000
HETATM13378	H1	WAT	3356	-22.997	17.269	13.862	0.417000
HETATM13379	H2	WAT	3356	-22.941	18.775	14.009	0.417000
HETATM13380	O	WAT	3357	9.925	-25.937	1.991	-0.834000
HETATM13381	H1	WAT	3357	9.053	-26.318	2.097	0.417000
HETATM13382	H2	WAT	3357	10.087	-25.476	2.814	0.417000
HETATM13383	O	WAT	3358	10.532	-21.435	-22.606	-0.834000
HETATM13384	H1	WAT	3358	9.951	-20.698	-22.790	0.417000
HETATM13385	H2	WAT	3358	10.153	-21.852	-21.833	0.417000
HETATM13386	O	WAT	3359	2.022	-18.330	12.313	-0.834000
HETATM13387	H1	WAT	3359	2.278	-17.581	11.775	0.417000
HETATM13388	H2	WAT	3359	1.479	-17.954	13.006	0.417000
HETATM13389	O	WAT	3360	13.083	-2.394	16.961	-0.834000
HETATM13390	H1	WAT	3360	13.108	-3.025	16.242	0.417000
HETATM13391	H2	WAT	3360	14.001	-2.271	17.204	0.417000
HETATM13392	O	WAT	3361	-3.251	-21.460	26.304	-0.834000
HETATM13393	H1	WAT	3361	-3.277	-21.239	27.234	0.417000
HETATM13394	H2	WAT	3361	-2.323	-21.599	26.116	0.417000
HETATM13395	O	WAT	3362	2.736	-1.824	33.835	-0.834000
HETATM13396	H1	WAT	3362	1.798	-1.869	33.650	0.417000
HETATM13397	H2	WAT	3362	2.988	-2.730	34.018	0.417000
HETATM13398	O	WAT	3363	24.422	11.856	20.264	-0.834000
HETATM13399	H1	WAT	3363	24.423	12.605	19.667	0.417000
HETATM13400	H2	WAT	3363	24.769	12.205	21.085	0.417000
HETATM13401	O	WAT	3364	-23.502	8.832	8.000	-0.834000
HETATM13402	H1	WAT	3364	-24.245	8.733	7.405	0.417000
HETATM13403	H2	WAT	3364	-23.572	8.087	8.596	0.417000
HETATM13404	O	WAT	3365	-0.831	-33.775	-2.554	-0.834000
HETATM13405	H1	WAT	3365	-1.427	-33.702	-3.299	0.417000
HETATM13406	H2	WAT	3365	-0.413	-32.916	-2.496	0.417000
HETATM13407	O	WAT	3366	-14.419	16.723	-6.978	-0.834000
HETATM13408	H1	WAT	3366	-15.181	17.196	-7.313	0.417000
HETATM13409	H2	WAT	3366	-14.613	16.583	-6.051	0.417000
HETATM13410	O	WAT	3367	3.776	16.822	-23.620	-0.834000
HETATM13411	H1	WAT	3367	2.871	16.523	-23.706	0.417000
HETATM13412	H2	WAT	3367	4.164	16.228	-22.978	0.417000
HETATM13413	O	WAT	3368	-0.137	1.300	-23.251	-0.834000
HETATM13414	H1	WAT	3368	-0.325	0.363	-23.211	0.417000
HETATM13415	H2	WAT	3368	-0.948	1.720	-22.965	0.417000
HETATM13416	O	WAT	3369	-8.244	-26.292	5.981	-0.834000
HETATM13417	H1	WAT	3369	-8.043	-25.396	5.710	0.417000
HETATM13418	H2	WAT	3369	-8.625	-26.198	6.854	0.417000
HETATM13419	O	WAT	3370	18.122	-20.050	16.256	-0.834000
HETATM13420	H1	WAT	3370	18.408	-20.926	15.999	0.417000
HETATM13421	H2	WAT	3370	17.389	-20.203	16.853	0.417000
HETATM13422	O	WAT	3371	12.284	23.185	-20.195	-0.834000
HETATM13423	H1	WAT	3371	11.477	22.804	-19.850	0.417000
HETATM13424	H2	WAT	3371	12.004	23.686	-20.961	0.417000
HETATM13425	O	WAT	3372	-7.092	23.055	-20.157	-0.834000
HETATM13426	H1	WAT	3372	-7.654	23.681	-19.700	0.417000
HETATM13427	H2	WAT	3372	-7.212	22.234	-19.680	0.417000
HETATM13428	O	WAT	3373	-21.750	-23.620	-5.955	-0.834000
HETATM13429	H1	WAT	3373	-21.516	-24.419	-5.483	0.417000
HETATM13430	H2	WAT	3373	-21.118	-23.572	-6.673	0.417000
HETATM13431	O	WAT	3374	9.904	21.984	16.574	-0.834000
HETATM13432	H1	WAT	3374	10.038	22.769	16.043	0.417000
HETATM13433	H2	WAT	3374	10.681	21.937	17.131	0.417000
HETATM13434	O	WAT	3375	-0.946	-27.709	9.726	-0.834000
HETATM13435	H1	WAT	3375	-1.869	-27.492	9.592	0.417000
HETATM13436	H2	WAT	3375	-0.962	-28.528	10.221	0.417000
HETATM13437	O	WAT	3376	15.252	18.489	-7.741	-0.834000

HETATM13438	H1	WAT	3376	14.770	18.304	-8.547	0.417000
HETATM13439	H2	WAT	3376	15.003	19.384	-7.513	0.417000
HETATM13440	O	WAT	3377	-23.261	23.407	-1.805	-0.834000
HETATM13441	H1	WAT	3377	-22.433	23.064	-1.468	0.417000
HETATM13442	H2	WAT	3377	-23.528	24.064	-1.162	0.417000
HETATM13443	O	WAT	3378	-16.496	-2.048	-9.168	-0.834000
HETATM13444	H1	WAT	3378	-16.030	-2.860	-8.970	0.417000
HETATM13445	H2	WAT	3378	-15.972	-1.632	-9.852	0.417000
HETATM13446	O	WAT	3379	-8.241	-7.348	-27.513	-0.834000
HETATM13447	H1	WAT	3379	-8.410	-7.345	-26.570	0.417000
HETATM13448	H2	WAT	3379	-7.720	-8.137	-27.660	0.417000
HETATM13449	O	WAT	3380	-6.677	13.712	28.997	-0.834000
HETATM13450	H1	WAT	3380	-7.389	13.077	29.071	0.417000
HETATM13451	H2	WAT	3380	-6.827	14.325	29.717	0.417000
HETATM13452	O	WAT	3381	0.848	27.453	0.498	-0.834000
HETATM13453	H1	WAT	3381	1.349	27.599	-0.304	0.417000
HETATM13454	H2	WAT	3381	0.680	26.511	0.508	0.417000
HETATM13455	O	WAT	3382	-9.518	-0.220	34.459	-0.834000
HETATM13456	H1	WAT	3382	-9.319	-0.959	35.034	0.417000
HETATM13457	H2	WAT	3382	-9.649	-0.616	33.597	0.417000
HETATM13458	O	WAT	3383	-3.638	22.980	-23.942	-0.834000
HETATM13459	H1	WAT	3383	-4.148	23.267	-23.184	0.417000
HETATM13460	H2	WAT	3383	-4.183	22.313	-24.359	0.417000
HETATM13461	O	WAT	3384	20.437	9.491	5.493	-0.834000
HETATM13462	H1	WAT	3384	20.684	9.114	4.649	0.417000
HETATM13463	H2	WAT	3384	19.570	9.867	5.343	0.417000
HETATM13464	O	WAT	3385	-3.312	-27.289	1.264	-0.834000
HETATM13465	H1	WAT	3385	-2.882	-26.683	1.868	0.417000
HETATM13466	H2	WAT	3385	-3.507	-26.758	0.491	0.417000
HETATM13467	O	WAT	3386	-18.280	26.134	14.964	-0.834000
HETATM13468	H1	WAT	3386	-17.707	26.545	14.317	0.417000
HETATM13469	H2	WAT	3386	-17.737	26.055	15.748	0.417000
HETATM13470	O	WAT	3387	9.589	19.730	-1.616	-0.834000
HETATM13471	H1	WAT	3387	10.122	20.448	-1.960	0.417000
HETATM13472	H2	WAT	3387	9.967	19.542	-0.757	0.417000
HETATM13473	O	WAT	3388	8.676	6.577	24.977	-0.834000
HETATM13474	H1	WAT	3388	7.783	6.851	25.189	0.417000
HETATM13475	H2	WAT	3388	8.670	6.457	24.027	0.417000
HETATM13476	O	WAT	3389	-17.267	-3.513	-1.139	-0.834000
HETATM13477	H1	WAT	3389	-18.017	-2.929	-1.246	0.417000
HETATM13478	H2	WAT	3389	-16.511	-2.927	-1.101	0.417000
HETATM13479	O	WAT	3390	-9.797	27.483	14.615	-0.834000
HETATM13480	H1	WAT	3390	-10.184	27.218	13.780	0.417000
HETATM13481	H2	WAT	3390	-10.399	28.142	14.959	0.417000
HETATM13482	O	WAT	3391	-14.284	-23.315	17.733	-0.834000
HETATM13483	H1	WAT	3391	-14.916	-22.721	17.327	0.417000
HETATM13484	H2	WAT	3391	-14.792	-23.791	18.390	0.417000
HETATM13485	O	WAT	3392	-13.441	-6.090	-30.931	-0.834000
HETATM13486	H1	WAT	3392	-13.950	-6.874	-30.725	0.417000
HETATM13487	H2	WAT	3392	-12.866	-6.358	-31.647	0.417000
HETATM13488	O	WAT	3393	0.240	-5.394	-31.433	-0.834000
HETATM13489	H1	WAT	3393	0.006	-6.302	-31.239	0.417000
HETATM13490	H2	WAT	3393	-0.157	-5.222	-32.287	0.417000
HETATM13491	O	WAT	3394	-23.097	4.362	20.014	-0.834000
HETATM13492	H1	WAT	3394	-22.407	5.010	19.873	0.417000
HETATM13493	H2	WAT	3394	-22.644	3.611	20.398	0.417000
HETATM13494	O	WAT	3395	-3.980	-31.153	-4.851	-0.834000
HETATM13495	H1	WAT	3395	-3.639	-31.993	-4.545	0.417000
HETATM13496	H2	WAT	3395	-3.335	-30.850	-5.490	0.417000
HETATM13497	O	WAT	3396	-14.012	-24.204	-4.561	-0.834000
HETATM13498	H1	WAT	3396	-13.874	-25.148	-4.493	0.417000
HETATM13499	H2	WAT	3396	-13.715	-23.857	-3.719	0.417000
HETATM13500	O	WAT	3397	-15.892	-7.710	-10.872	-0.834000
HETATM13501	H1	WAT	3397	-15.281	-7.563	-11.593	0.417000
HETATM13502	H2	WAT	3397	-16.199	-8.608	-10.997	0.417000
HETATM13503	O	WAT	3398	-10.926	-26.778	15.726	-0.834000
HETATM13504	H1	WAT	3398	-10.663	-26.935	16.633	0.417000
HETATM13505	H2	WAT	3398	-11.719	-26.246	15.795	0.417000
HETATM13506	O	WAT	3399	-21.168	-0.475	-9.216	-0.834000
HETATM13507	H1	WAT	3399	-20.366	-0.853	-9.577	0.417000

HETATM13508	H2	WAT	3399	-21.058	0.469	-9.325	0.417000
HETATM13509	O	WAT	3400	-20.220	11.989	-18.031	-0.834000
HETATM13510	H1	WAT	3400	-19.449	12.123	-17.479	0.417000
HETATM13511	H2	WAT	3400	-19.996	11.235	-18.576	0.417000
HETATM13512	O	WAT	3401	-7.002	16.746	22.938	-0.834000
HETATM13513	H1	WAT	3401	-6.328	16.516	22.298	0.417000
HETATM13514	H2	WAT	3401	-7.797	16.858	22.418	0.417000
HETATM13515	O	WAT	3402	4.061	-26.761	13.433	-0.834000
HETATM13516	H1	WAT	3402	3.393	-27.309	13.019	0.417000
HETATM13517	H2	WAT	3402	4.836	-26.873	12.883	0.417000
HETATM13518	O	WAT	3403	27.280	2.639	10.996	-0.834000
HETATM13519	H1	WAT	3403	27.137	2.657	10.049	0.417000
HETATM13520	H2	WAT	3403	27.224	1.713	11.229	0.417000
HETATM13521	O	WAT	3404	-0.853	18.942	7.442	-0.834000
HETATM13522	H1	WAT	3404	-0.655	18.007	7.484	0.417000
HETATM13523	H2	WAT	3404	-0.793	19.159	6.512	0.417000
HETATM13524	O	WAT	3405	-10.685	-0.151	29.690	-0.834000
HETATM13525	H1	WAT	3405	-11.597	0.140	29.717	0.417000
HETATM13526	H2	WAT	3405	-10.657	-0.782	28.970	0.417000
HETATM13527	O	WAT	3406	-4.290	-23.127	-22.011	-0.834000
HETATM13528	H1	WAT	3406	-4.039	-22.204	-22.030	0.417000
HETATM13529	H2	WAT	3406	-3.937	-23.488	-22.824	0.417000
HETATM13530	O	WAT	3407	12.600	17.779	-4.686	-0.834000
HETATM13531	H1	WAT	3407	13.196	18.274	-4.124	0.417000
HETATM13532	H2	WAT	3407	13.171	17.195	-5.185	0.417000
HETATM13533	O	WAT	3408	1.863	30.712	9.179	-0.834000
HETATM13534	H1	WAT	3408	2.432	31.144	8.542	0.417000
HETATM13535	H2	WAT	3408	1.840	31.312	9.925	0.417000
HETATM13536	O	WAT	3409	12.600	-18.718	22.851	-0.834000
HETATM13537	H1	WAT	3409	12.757	-18.538	23.778	0.417000
HETATM13538	H2	WAT	3409	12.151	-17.937	22.528	0.417000
HETATM13539	O	WAT	3410	15.724	0.162	-18.773	-0.834000
HETATM13540	H1	WAT	3410	15.511	1.065	-18.536	0.417000
HETATM13541	H2	WAT	3410	14.882	-0.232	-18.997	0.417000
HETATM13542	O	WAT	3411	-0.363	21.319	0.190	-0.834000
HETATM13543	H1	WAT	3411	0.390	21.439	-0.389	0.417000
HETATM13544	H2	WAT	3411	-0.170	21.866	0.951	0.417000
HETATM13545	O	WAT	3412	-7.839	-6.808	-33.055	-0.834000
HETATM13546	H1	WAT	3412	-8.251	-6.939	-33.910	0.417000
HETATM13547	H2	WAT	3412	-7.615	-7.690	-32.759	0.417000
HETATM13548	O	WAT	3413	-6.580	25.854	2.536	-0.834000
HETATM13549	H1	WAT	3413	-6.557	25.290	1.764	0.417000
HETATM13550	H2	WAT	3413	-7.463	25.741	2.890	0.417000
HETATM13551	O	WAT	3414	2.832	-4.173	21.967	-0.834000
HETATM13552	H1	WAT	3414	3.503	-4.544	21.393	0.417000
HETATM13553	H2	WAT	3414	3.069	-3.249	22.047	0.417000
HETATM13554	O	WAT	3415	22.342	15.537	-14.620	-0.834000
HETATM13555	H1	WAT	3415	22.519	15.313	-15.534	0.417000
HETATM13556	H2	WAT	3415	22.025	16.440	-14.652	0.417000
HETATM13557	O	WAT	3416	-26.432	-1.490	-13.205	-0.834000
HETATM13558	H1	WAT	3416	-27.337	-1.180	-13.208	0.417000
HETATM13559	H2	WAT	3416	-26.172	-1.481	-14.126	0.417000
HETATM13560	O	WAT	3417	-3.141	20.095	-16.942	-0.834000
HETATM13561	H1	WAT	3417	-2.641	19.301	-17.134	0.417000
HETATM13562	H2	WAT	3417	-2.732	20.451	-16.154	0.417000
HETATM13563	O	WAT	3418	32.646	6.413	-6.694	-0.834000
HETATM13564	H1	WAT	3418	31.783	6.254	-6.311	0.417000
HETATM13565	H2	WAT	3418	32.536	7.212	-7.208	0.417000
HETATM13566	O	WAT	3419	16.586	24.243	11.351	-0.834000
HETATM13567	H1	WAT	3419	17.470	24.041	11.657	0.417000
HETATM13568	H2	WAT	3419	16.513	25.193	11.437	0.417000
HETATM13569	O	WAT	3420	-7.275	-25.659	-19.033	-0.834000
HETATM13570	H1	WAT	3420	-7.270	-26.585	-18.791	0.417000
HETATM13571	H2	WAT	3420	-8.198	-25.456	-19.185	0.417000
HETATM13572	O	WAT	3421	13.435	-30.938	-4.957	-0.834000
HETATM13573	H1	WAT	3421	13.922	-31.377	-4.259	0.417000
HETATM13574	H2	WAT	3421	12.594	-30.715	-4.558	0.417000
HETATM13575	O	WAT	3422	-14.957	24.186	17.750	-0.834000
HETATM13576	H1	WAT	3422	-14.302	24.158	17.052	0.417000
HETATM13577	H2	WAT	3422	-14.446	24.156	18.559	0.417000

HETATM13578	O	WAT	3423	-13.133	-21.590	-9.342	-0.834000
HETATM13579	H1	WAT	3423	-12.680	-21.553	-8.499	0.417000
HETATM13580	H2	WAT	3423	-14.023	-21.865	-9.123	0.417000
HETATM13581	O	WAT	3424	27.645	8.173	13.605	-0.834000
HETATM13582	H1	WAT	3424	27.625	7.812	12.719	0.417000
HETATM13583	H2	WAT	3424	26.802	7.924	13.984	0.417000
HETATM13584	O	WAT	3425	11.228	21.786	-2.387	-0.834000
HETATM13585	H1	WAT	3425	12.176	21.663	-2.344	0.417000
HETATM13586	H2	WAT	3425	11.066	22.099	-3.276	0.417000
HETATM13587	O	WAT	3426	11.941	13.649	-11.617	-0.834000
HETATM13588	H1	WAT	3426	11.031	13.945	-11.620	0.417000
HETATM13589	H2	WAT	3426	12.399	14.286	-11.069	0.417000
HETATM13590	O	WAT	3427	-5.198	24.055	-21.925	-0.834000
HETATM13591	H1	WAT	3427	-5.817	24.646	-22.353	0.417000
HETATM13592	H2	WAT	3427	-5.692	23.675	-21.199	0.417000
HETATM13593	O	WAT	3428	-16.394	7.679	29.132	-0.834000
HETATM13594	H1	WAT	3428	-17.193	7.607	29.654	0.417000
HETATM13595	H2	WAT	3428	-15.698	7.809	29.776	0.417000
HETATM13596	O	WAT	3429	-9.911	-25.253	-6.039	-0.834000
HETATM13597	H1	WAT	3429	-9.441	-24.524	-5.635	0.417000
HETATM13598	H2	WAT	3429	-10.717	-24.862	-6.376	0.417000
HETATM13599	O	WAT	3430	12.098	5.839	-21.105	-0.834000
HETATM13600	H1	WAT	3430	12.256	6.115	-22.008	0.417000
HETATM13601	H2	WAT	3430	12.527	6.508	-20.572	0.417000
HETATM13602	O	WAT	3431	-2.472	23.309	14.475	-0.834000
HETATM13603	H1	WAT	3431	-3.022	23.359	13.693	0.417000
HETATM13604	H2	WAT	3431	-2.280	22.377	14.574	0.417000
HETATM13605	O	WAT	3432	25.945	6.274	16.962	-0.834000
HETATM13606	H1	WAT	3432	25.854	5.352	17.205	0.417000
HETATM13607	H2	WAT	3432	26.857	6.485	17.162	0.417000
HETATM13608	O	WAT	3433	4.777	2.830	-29.980	-0.834000
HETATM13609	H1	WAT	3433	4.097	3.439	-30.268	0.417000
HETATM13610	H2	WAT	3433	4.295	2.085	-29.621	0.417000
HETATM13611	O	WAT	3434	0.508	-20.224	-7.369	-0.834000
HETATM13612	H1	WAT	3434	1.113	-20.052	-6.648	0.417000
HETATM13613	H2	WAT	3434	0.862	-21.002	-7.799	0.417000
HETATM13614	O	WAT	3435	-11.150	0.721	-31.344	-0.834000
HETATM13615	H1	WAT	3435	-10.470	0.797	-30.675	0.417000
HETATM13616	H2	WAT	3435	-11.971	0.724	-30.852	0.417000
HETATM13617	O	WAT	3436	7.018	-26.668	-7.198	-0.834000
HETATM13618	H1	WAT	3436	6.780	-26.812	-6.282	0.417000
HETATM13619	H2	WAT	3436	6.972	-25.719	-7.311	0.417000
HETATM13620	O	WAT	3437	-21.974	-6.913	4.650	-0.834000
HETATM13621	H1	WAT	3437	-22.661	-6.470	5.147	0.417000
HETATM13622	H2	WAT	3437	-21.158	-6.626	5.059	0.417000
HETATM13623	O	WAT	3438	-25.636	-20.768	-6.547	-0.834000
HETATM13624	H1	WAT	3438	-25.309	-21.649	-6.728	0.417000
HETATM13625	H2	WAT	3438	-24.855	-20.266	-6.312	0.417000
HETATM13626	O	WAT	3439	23.767	-6.532	-24.206	-0.834000
HETATM13627	H1	WAT	3439	23.142	-6.699	-24.911	0.417000
HETATM13628	H2	WAT	3439	24.197	-7.375	-24.061	0.417000
HETATM13629	O	WAT	3440	22.574	2.004	-19.207	-0.834000
HETATM13630	H1	WAT	3440	22.895	2.836	-18.860	0.417000
HETATM13631	H2	WAT	3440	23.260	1.714	-19.808	0.417000
HETATM13632	O	WAT	3441	-27.733	7.297	-18.901	-0.834000
HETATM13633	H1	WAT	3441	-27.904	8.200	-19.166	0.417000
HETATM13634	H2	WAT	3441	-26.995	7.361	-18.294	0.417000
HETATM13635	O	WAT	3442	-16.467	29.213	-3.528	-0.834000
HETATM13636	H1	WAT	3442	-15.519	29.129	-3.631	0.417000
HETATM13637	H2	WAT	3442	-16.593	30.095	-3.180	0.417000
HETATM13638	O	WAT	3443	17.424	-12.907	5.254	-0.834000
HETATM13639	H1	WAT	3443	17.745	-12.471	4.465	0.417000
HETATM13640	H2	WAT	3443	16.742	-13.500	4.939	0.417000
HETATM13641	O	WAT	3444	-26.881	-10.772	9.594	-0.834000
HETATM13642	H1	WAT	3444	-27.224	-11.378	8.937	0.417000
HETATM13643	H2	WAT	3444	-25.930	-10.849	9.517	0.417000
HETATM13644	O	WAT	3445	7.691	-15.106	-22.648	-0.834000
HETATM13645	H1	WAT	3445	7.582	-14.170	-22.481	0.417000
HETATM13646	H2	WAT	3445	7.024	-15.526	-22.106	0.417000
HETATM13647	O	WAT	3446	-2.842	33.221	3.220	-0.834000

HETATM13648	H1	WAT	3446	-1.964	33.338	2.859	0.417000
HETATM13649	H2	WAT	3446	-3.204	32.478	2.736	0.417000
HETATM13650	O	WAT	3447	18.981	13.541	-15.666	-0.834000
HETATM13651	H1	WAT	3447	19.637	13.437	-14.977	0.417000
HETATM13652	H2	WAT	3447	18.435	14.269	-15.369	0.417000
HETATM13653	O	WAT	3448	-7.668	29.030	13.699	-0.834000
HETATM13654	H1	WAT	3448	-8.336	28.452	14.067	0.417000
HETATM13655	H2	WAT	3448	-7.357	29.543	14.446	0.417000
HETATM13656	O	WAT	3449	-26.059	-9.841	-8.522	-0.834000
HETATM13657	H1	WAT	3449	-25.616	-9.616	-7.704	0.417000
HETATM13658	H2	WAT	3449	-25.676	-10.680	-8.779	0.417000
HETATM13659	O	WAT	3450	-13.946	-11.645	14.035	-0.834000
HETATM13660	H1	WAT	3450	-14.725	-12.052	14.413	0.417000
HETATM13661	H2	WAT	3450	-13.325	-12.366	13.933	0.417000
HETATM13662	O	WAT	3451	1.279	-24.043	-4.257	-0.834000
HETATM13663	H1	WAT	3451	2.113	-23.575	-4.283	0.417000
HETATM13664	H2	WAT	3451	1.516	-24.942	-4.032	0.417000
HETATM13665	O	WAT	3452	-4.940	31.303	13.517	-0.834000
HETATM13666	H1	WAT	3452	-4.532	30.785	12.823	0.417000
HETATM13667	H2	WAT	3452	-4.210	31.753	13.941	0.417000
HETATM13668	O	WAT	3453	5.344	27.013	-1.355	-0.834000
HETATM13669	H1	WAT	3453	5.947	26.380	-1.745	0.417000
HETATM13670	H2	WAT	3453	5.118	27.603	-2.074	0.417000
HETATM13671	O	WAT	3454	5.283	-2.712	-24.903	-0.834000
HETATM13672	H1	WAT	3454	4.658	-3.151	-25.480	0.417000
HETATM13673	H2	WAT	3454	4.864	-1.879	-24.686	0.417000
HETATM13674	O	WAT	3455	15.210	12.332	-25.447	-0.834000
HETATM13675	H1	WAT	3455	15.043	12.547	-24.529	0.417000
HETATM13676	H2	WAT	3455	15.772	13.041	-25.760	0.417000
HETATM13677	O	WAT	3456	21.445	17.002	-9.277	-0.834000
HETATM13678	H1	WAT	3456	21.695	17.609	-8.580	0.417000
HETATM13679	H2	WAT	3456	22.141	17.087	-9.929	0.417000
HETATM13680	O	WAT	3457	-24.955	-2.661	-2.884	-0.834000
HETATM13681	H1	WAT	3457	-25.269	-2.093	-3.588	0.417000
HETATM13682	H2	WAT	3457	-25.240	-3.538	-3.139	0.417000
HETATM13683	O	WAT	3458	-19.292	-17.566	9.164	-0.834000
HETATM13684	H1	WAT	3458	-19.136	-18.303	9.754	0.417000
HETATM13685	H2	WAT	3458	-19.468	-17.972	8.315	0.417000
HETATM13686	O	WAT	3459	25.483	-19.419	-15.621	-0.834000
HETATM13687	H1	WAT	3459	25.139	-18.673	-15.130	0.417000
HETATM13688	H2	WAT	3459	25.989	-19.025	-16.332	0.417000
HETATM13689	O	WAT	3460	-29.254	-9.541	-16.184	-0.834000
HETATM13690	H1	WAT	3460	-29.170	-8.647	-15.852	0.417000
HETATM13691	H2	WAT	3460	-30.135	-9.575	-16.558	0.417000
HETATM13692	O	WAT	3461	-7.958	2.454	-31.552	-0.834000
HETATM13693	H1	WAT	3461	-8.693	2.532	-32.161	0.417000
HETATM13694	H2	WAT	3461	-8.319	1.982	-30.801	0.417000
HETATM13695	O	WAT	3462	-7.375	28.272	-2.187	-0.834000
HETATM13696	H1	WAT	3462	-6.702	27.602	-2.066	0.417000
HETATM13697	H2	WAT	3462	-7.487	28.660	-1.319	0.417000
HETATM13698	O	WAT	3463	-16.101	-3.540	-18.562	-0.834000
HETATM13699	H1	WAT	3463	-15.320	-3.965	-18.208	0.417000
HETATM13700	H2	WAT	3463	-16.191	-3.901	-19.444	0.417000
HETATM13701	O	WAT	3464	28.804	9.837	-2.088	-0.834000
HETATM13702	H1	WAT	3464	29.369	10.282	-2.719	0.417000
HETATM13703	H2	WAT	3464	29.367	9.682	-1.330	0.417000
HETATM13704	O	WAT	3465	17.721	25.462	-14.889	-0.834000
HETATM13705	H1	WAT	3465	16.876	25.901	-14.987	0.417000
HETATM13706	H2	WAT	3465	18.192	25.989	-14.244	0.417000
HETATM13707	O	WAT	3466	22.022	-6.871	-26.340	-0.834000
HETATM13708	H1	WAT	3466	22.461	-6.894	-27.190	0.417000
HETATM13709	H2	WAT	3466	21.631	-5.998	-26.296	0.417000
HETATM13710	O	WAT	3467	-9.365	29.399	5.408	-0.834000
HETATM13711	H1	WAT	3467	-8.989	28.900	6.133	0.417000
HETATM13712	H2	WAT	3467	-8.680	30.023	5.167	0.417000
HETATM13713	O	WAT	3468	-11.831	12.608	-23.362	-0.834000
HETATM13714	H1	WAT	3468	-11.022	12.858	-23.807	0.417000
HETATM13715	H2	WAT	3468	-12.468	12.497	-24.067	0.417000
HETATM13716	O	WAT	3469	6.822	-18.049	26.742	-0.834000
HETATM13717	H1	WAT	3469	6.330	-18.142	25.925	0.417000

HETATM13718	H2	WAT	3469	7.629	-18.541	26.593	0.417000
HETATM13719	O	WAT	3470	4.991	29.368	12.550	-0.834000
HETATM13720	H1	WAT	3470	4.882	30.230	12.147	0.417000
HETATM13721	H2	WAT	3470	5.566	28.894	11.950	0.417000
HETATM13722	O	WAT	3471	-17.738	-1.012	-6.957	-0.834000
HETATM13723	H1	WAT	3471	-17.267	-1.397	-7.696	0.417000
HETATM13724	H2	WAT	3471	-18.320	-1.709	-6.655	0.417000
HETATM13725	O	WAT	3472	-30.083	-16.306	0.568	-0.834000
HETATM13726	H1	WAT	3472	-29.877	-15.730	1.304	0.417000
HETATM13727	H2	WAT	3472	-29.274	-16.339	0.057	0.417000
HETATM13728	O	WAT	3473	-6.595	24.082	0.492	-0.834000
HETATM13729	H1	WAT	3473	-5.727	24.006	0.096	0.417000
HETATM13730	H2	WAT	3473	-6.744	23.233	0.907	0.417000
HETATM13731	O	WAT	3474	17.877	-14.687	7.401	-0.834000
HETATM13732	H1	WAT	3474	17.020	-14.591	7.817	0.417000
HETATM13733	H2	WAT	3474	17.852	-14.084	6.658	0.417000
HETATM13734	O	WAT	3475	16.690	10.880	-7.638	-0.834000
HETATM13735	H1	WAT	3475	16.349	11.252	-8.452	0.417000
HETATM13736	H2	WAT	3475	16.317	9.999	-7.603	0.417000
HETATM13737	O	WAT	3476	27.741	-13.310	10.878	-0.834000
HETATM13738	H1	WAT	3476	27.122	-12.985	11.532	0.417000
HETATM13739	H2	WAT	3476	27.189	-13.695	10.197	0.417000
HETATM13740	O	WAT	3477	25.217	-3.382	-1.962	-0.834000
HETATM13741	H1	WAT	3477	24.387	-3.801	-1.736	0.417000
HETATM13742	H2	WAT	3477	24.976	-2.687	-2.575	0.417000
HETATM13743	O	WAT	3478	-5.107	6.357	-16.964	-0.834000
HETATM13744	H1	WAT	3478	-5.289	7.258	-16.695	0.417000
HETATM13745	H2	WAT	3478	-5.916	6.064	-17.383	0.417000
HETATM13746	O	WAT	3479	-13.005	-12.938	16.515	-0.834000
HETATM13747	H1	WAT	3479	-13.672	-13.526	16.870	0.417000
HETATM13748	H2	WAT	3479	-12.692	-13.380	15.725	0.417000
HETATM13749	O	WAT	3480	23.600	-6.515	22.058	-0.834000
HETATM13750	H1	WAT	3480	22.943	-7.195	22.203	0.417000
HETATM13751	H2	WAT	3480	23.647	-6.046	22.891	0.417000
HETATM13752	O	WAT	3481	-28.003	9.096	5.538	-0.834000
HETATM13753	H1	WAT	3481	-28.870	8.767	5.776	0.417000
HETATM13754	H2	WAT	3481	-28.046	9.221	4.590	0.417000
HETATM13755	O	WAT	3482	-16.759	10.761	-25.872	-0.834000
HETATM13756	H1	WAT	3482	-16.613	11.651	-25.551	0.417000
HETATM13757	H2	WAT	3482	-17.511	10.839	-26.459	0.417000
HETATM13758	O	WAT	3483	27.151	-15.925	-13.921	-0.834000
HETATM13759	H1	WAT	3483	26.336	-16.373	-14.150	0.417000
HETATM13760	H2	WAT	3483	27.485	-16.408	-13.165	0.417000
HETATM13761	O	WAT	3484	-31.728	6.923	4.031	-0.834000
HETATM13762	H1	WAT	3484	-31.261	6.094	4.133	0.417000
HETATM13763	H2	WAT	3484	-32.654	6.680	4.041	0.417000
HETATM13764	O	WAT	3485	4.291	24.483	-10.210	-0.834000
HETATM13765	H1	WAT	3485	4.476	25.422	-10.253	0.417000
HETATM13766	H2	WAT	3485	4.486	24.161	-11.090	0.417000
HETATM13767	O	WAT	3486	-6.486	25.637	16.970	-0.834000
HETATM13768	H1	WAT	3486	-7.433	25.773	16.969	0.417000
HETATM13769	H2	WAT	3486	-6.198	25.961	17.824	0.417000
HETATM13770	O	WAT	3487	12.503	-22.527	18.501	-0.834000
HETATM13771	H1	WAT	3487	11.739	-22.823	18.006	0.417000
HETATM13772	H2	WAT	3487	13.016	-22.023	17.870	0.417000
HETATM13773	O	WAT	3488	5.877	1.382	18.846	-0.834000
HETATM13774	H1	WAT	3488	6.436	1.814	18.200	0.417000
HETATM13775	H2	WAT	3488	5.056	1.873	18.820	0.417000
HETATM13776	O	WAT	3489	26.739	-18.235	2.797	-0.834000
HETATM13777	H1	WAT	3489	26.816	-17.608	2.078	0.417000
HETATM13778	H2	WAT	3489	27.468	-18.022	3.380	0.417000
HETATM13779	O	WAT	3490	-11.032	9.237	-3.529	-0.834000
HETATM13780	H1	WAT	3490	-11.005	10.069	-4.002	0.417000
HETATM13781	H2	WAT	3490	-10.146	8.884	-3.613	0.417000
HETATM13782	O	WAT	3491	14.907	5.315	9.551	-0.834000
HETATM13783	H1	WAT	3491	14.210	4.877	9.062	0.417000
HETATM13784	H2	WAT	3491	15.635	5.370	8.932	0.417000
HETATM13785	O	WAT	3492	-25.286	21.636	-2.235	-0.834000
HETATM13786	H1	WAT	3492	-25.896	21.864	-1.533	0.417000
HETATM13787	H2	WAT	3492	-24.597	22.298	-2.177	0.417000

HETATM13788	O	WAT	3493	-5.775	-17.789	-27.624	-0.834000
HETATM13789	H1	WAT	3493	-5.456	-18.042	-28.490	0.417000
HETATM13790	H2	WAT	3493	-6.686	-17.533	-27.771	0.417000
HETATM13791	O	WAT	3494	-4.665	-5.189	-24.578	-0.834000
HETATM13792	H1	WAT	3494	-4.347	-5.431	-25.448	0.417000
HETATM13793	H2	WAT	3494	-5.025	-4.309	-24.692	0.417000
HETATM13794	O	WAT	3495	21.952	9.031	25.642	-0.834000
HETATM13795	H1	WAT	3495	21.985	8.597	24.789	0.417000
HETATM13796	H2	WAT	3495	22.865	9.241	25.839	0.417000
HETATM13797	O	WAT	3496	25.227	-10.309	10.867	-0.834000
HETATM13798	H1	WAT	3496	25.063	-10.400	9.928	0.417000
HETATM13799	H2	WAT	3496	24.446	-9.871	11.205	0.417000
HETATM13800	O	WAT	3497	22.986	-2.079	2.641	-0.834000
HETATM13801	H1	WAT	3497	22.180	-1.795	2.210	0.417000
HETATM13802	H2	WAT	3497	22.739	-2.876	3.110	0.417000
HETATM13803	O	WAT	3498	10.601	15.896	-13.782	-0.834000
HETATM13804	H1	WAT	3498	11.541	15.745	-13.874	0.417000
HETATM13805	H2	WAT	3498	10.253	15.790	-14.667	0.417000
HETATM13806	O	WAT	3499	-15.874	18.594	-3.184	-0.834000
HETATM13807	H1	WAT	3499	-14.954	18.860	-3.162	0.417000
HETATM13808	H2	WAT	3499	-16.305	19.170	-2.552	0.417000
HETATM13809	O	WAT	3500	-23.396	11.062	14.206	-0.834000
HETATM13810	H1	WAT	3500	-23.777	10.776	15.037	0.417000
HETATM13811	H2	WAT	3500	-24.037	11.677	13.849	0.417000
HETATM13812	O	WAT	3501	-5.475	0.596	33.653	-0.834000
HETATM13813	H1	WAT	3501	-5.389	0.193	34.517	0.417000
HETATM13814	H2	WAT	3501	-4.846	1.316	33.661	0.417000
HETATM13815	O	WAT	3502	-7.600	28.251	-8.782	-0.834000
HETATM13816	H1	WAT	3502	-8.436	27.848	-8.548	0.417000
HETATM13817	H2	WAT	3502	-7.253	27.695	-9.479	0.417000
HETATM13818	O	WAT	3503	11.697	9.279	26.602	-0.834000
HETATM13819	H1	WAT	3503	12.412	9.359	27.234	0.417000
HETATM13820	H2	WAT	3503	11.186	10.080	26.715	0.417000
HETATM13821	O	WAT	3504	-28.945	6.072	-9.520	-0.834000
HETATM13822	H1	WAT	3504	-28.902	6.330	-8.599	0.417000
HETATM13823	H2	WAT	3504	-29.559	5.339	-9.535	0.417000
HETATM13824	O	WAT	3505	6.314	-22.430	11.910	-0.834000
HETATM13825	H1	WAT	3505	6.836	-21.747	11.490	0.417000
HETATM13826	H2	WAT	3505	6.702	-22.526	12.780	0.417000
HETATM13827	O	WAT	3506	9.663	32.405	3.990	-0.834000
HETATM13828	H1	WAT	3506	10.594	32.256	4.154	0.417000
HETATM13829	H2	WAT	3506	9.256	32.356	4.855	0.417000
HETATM13830	O	WAT	3507	-1.736	14.366	-18.971	-0.834000
HETATM13831	H1	WAT	3507	-1.017	14.127	-19.556	0.417000
HETATM13832	H2	WAT	3507	-1.958	15.264	-19.219	0.417000
HETATM13833	O	WAT	3508	-17.292	-28.773	8.060	-0.834000
HETATM13834	H1	WAT	3508	-17.181	-28.150	8.778	0.417000
HETATM13835	H2	WAT	3508	-18.237	-28.919	8.014	0.417000
HETATM13836	O	WAT	3509	-15.080	-18.876	17.533	-0.834000
HETATM13837	H1	WAT	3509	-15.082	-19.575	18.187	0.417000
HETATM13838	H2	WAT	3509	-15.878	-19.021	17.025	0.417000
HETATM13839	O	WAT	3510	-16.952	17.699	-17.378	-0.834000
HETATM13840	H1	WAT	3510	-17.314	17.707	-18.264	0.417000
HETATM13841	H2	WAT	3510	-17.399	16.972	-16.943	0.417000
HETATM13842	O	WAT	3511	-21.250	3.882	-21.530	-0.834000
HETATM13843	H1	WAT	3511	-21.921	4.263	-20.964	0.417000
HETATM13844	H2	WAT	3511	-20.601	3.522	-20.925	0.417000
HETATM13845	O	WAT	3512	-0.785	-22.277	-3.316	-0.834000
HETATM13846	H1	WAT	3512	-0.234	-21.682	-2.807	0.417000
HETATM13847	H2	WAT	3512	-0.173	-22.913	-3.685	0.417000
HETATM13848	O	WAT	3513	-23.752	10.115	-19.111	-0.834000
HETATM13849	H1	WAT	3513	-22.981	9.684	-18.742	0.417000
HETATM13850	H2	WAT	3513	-23.919	9.648	-19.929	0.417000
HETATM13851	O	WAT	3514	19.500	-5.134	-14.820	-0.834000
HETATM13852	H1	WAT	3514	19.682	-6.070	-14.910	0.417000
HETATM13853	H2	WAT	3514	19.737	-4.761	-15.669	0.417000
HETATM13854	O	WAT	3515	-24.619	10.921	1.103	-0.834000
HETATM13855	H1	WAT	3515	-24.894	10.014	1.243	0.417000
HETATM13856	H2	WAT	3515	-23.727	10.851	0.764	0.417000
HETATM13857	O	WAT	3516	0.905	-19.572	0.674	-0.834000

HETATM13858	H1	WAT	3516	1.060	-18.634	0.570	0.417000
HETATM13859	H2	WAT	3516	0.018	-19.631	1.029	0.417000
HETATM13860	O	WAT	3517	-16.828	14.610	4.843	-0.834000
HETATM13861	H1	WAT	3517	-16.321	13.884	5.206	0.417000
HETATM13862	H2	WAT	3517	-17.342	14.214	4.140	0.417000
HETATM13863	O	WAT	3518	-14.127	25.620	8.080	-0.834000
HETATM13864	H1	WAT	3518	-14.929	25.099	8.111	0.417000
HETATM13865	H2	WAT	3518	-14.403	26.463	7.718	0.417000
HETATM13866	O	WAT	3519	7.444	-27.088	2.289	-0.834000
HETATM13867	H1	WAT	3519	7.653	-27.420	3.162	0.417000
HETATM13868	H2	WAT	3519	7.285	-27.874	1.766	0.417000
HETATM13869	O	WAT	3520	1.040	12.509	-11.853	-0.834000
HETATM13870	H1	WAT	3520	1.202	13.442	-11.996	0.417000
HETATM13871	H2	WAT	3520	1.454	12.321	-11.011	0.417000
HETATM13872	O	WAT	3521	-22.280	-4.408	17.522	-0.834000
HETATM13873	H1	WAT	3521	-21.708	-4.225	18.267	0.417000
HETATM13874	H2	WAT	3521	-23.126	-4.036	17.773	0.417000
HETATM13875	O	WAT	3522	-5.449	26.435	19.392	-0.834000
HETATM13876	H1	WAT	3522	-5.440	26.787	20.283	0.417000
HETATM13877	H2	WAT	3522	-4.980	25.604	19.458	0.417000
HETATM13878	O	WAT	3523	17.147	21.619	-17.076	-0.834000
HETATM13879	H1	WAT	3523	17.444	20.710	-17.057	0.417000
HETATM13880	H2	WAT	3523	17.715	22.070	-16.451	0.417000
HETATM13881	O	WAT	3524	-23.171	1.522	23.915	-0.834000
HETATM13882	H1	WAT	3524	-23.853	0.851	23.936	0.417000
HETATM13883	H2	WAT	3524	-23.504	2.220	24.479	0.417000
HETATM13884	O	WAT	3525	-19.112	3.162	-5.856	-0.834000
HETATM13885	H1	WAT	3525	-18.398	3.106	-5.221	0.417000
HETATM13886	H2	WAT	3525	-18.851	2.572	-6.563	0.417000
HETATM13887	O	WAT	3526	21.283	-8.233	1.682	-0.834000
HETATM13888	H1	WAT	3526	21.432	-8.754	0.893	0.417000
HETATM13889	H2	WAT	3526	20.691	-8.766	2.213	0.417000
HETATM13890	O	WAT	3527	-27.607	-16.083	-0.604	-0.834000
HETATM13891	H1	WAT	3527	-27.184	-15.231	-0.704	0.417000
HETATM13892	H2	WAT	3527	-27.066	-16.545	0.037	0.417000
HETATM13893	O	WAT	3528	0.182	-21.054	-19.232	-0.834000
HETATM13894	H1	WAT	3528	0.109	-20.346	-19.872	0.417000
HETATM13895	H2	WAT	3528	1.081	-21.371	-19.327	0.417000
HETATM13896	O	WAT	3529	-2.466	-1.298	-29.028	-0.834000
HETATM13897	H1	WAT	3529	-2.562	-2.223	-28.799	0.417000
HETATM13898	H2	WAT	3529	-2.048	-1.307	-29.889	0.417000
HETATM13899	O	WAT	3530	10.664	-18.097	-24.523	-0.834000
HETATM13900	H1	WAT	3530	10.041	-18.615	-24.013	0.417000
HETATM13901	H2	WAT	3530	10.464	-17.190	-24.295	0.417000
HETATM13902	O	WAT	3531	-6.271	-8.267	-30.223	-0.834000
HETATM13903	H1	WAT	3531	-6.521	-8.813	-29.478	0.417000
HETATM13904	H2	WAT	3531	-6.715	-8.666	-30.972	0.417000
HETATM13905	O	WAT	3532	-0.896	-22.296	-25.215	-0.834000
HETATM13906	H1	WAT	3532	-0.112	-22.113	-24.697	0.417000
HETATM13907	H2	WAT	3532	-0.619	-22.966	-25.840	0.417000
HETATM13908	O	WAT	3533	-0.834	8.018	33.857	-0.834000
HETATM13909	H1	WAT	3533	-1.112	8.746	34.413	0.417000
HETATM13910	H2	WAT	3533	-1.650	7.649	33.520	0.417000
HETATM13911	O	WAT	3534	-14.330	29.517	9.848	-0.834000
HETATM13912	H1	WAT	3534	-14.361	30.462	9.995	0.417000
HETATM13913	H2	WAT	3534	-13.738	29.409	9.104	0.417000
HETATM13914	O	WAT	3535	16.683	27.662	14.077	-0.834000
HETATM13915	H1	WAT	3535	15.827	27.927	14.414	0.417000
HETATM13916	H2	WAT	3535	16.498	27.301	13.210	0.417000
HETATM13917	O	WAT	3536	-15.761	-10.087	25.468	-0.834000
HETATM13918	H1	WAT	3536	-15.466	-9.188	25.322	0.417000
HETATM13919	H2	WAT	3536	-16.717	-10.029	25.460	0.417000
HETATM13920	O	WAT	3537	-30.517	0.818	-11.638	-0.834000
HETATM13921	H1	WAT	3537	-31.130	1.349	-12.146	0.417000
HETATM13922	H2	WAT	3537	-30.109	1.437	-11.032	0.417000
HETATM13923	O	WAT	3538	16.224	-7.724	10.807	-0.834000
HETATM13924	H1	WAT	3538	16.986	-7.982	11.326	0.417000
HETATM13925	H2	WAT	3538	15.697	-8.520	10.742	0.417000
HETATM13926	O	WAT	3539	-31.572	13.257	6.888	-0.834000
HETATM13927	H1	WAT	3539	-31.520	12.378	6.513	0.417000

HETATM13928	H2	WAT	3539	-32.378	13.250	7.404	0.417000
HETATM13929	O	WAT	3540	7.370	-15.335	23.902	-0.834000
HETATM13930	H1	WAT	3540	6.466	-15.448	23.607	0.417000
HETATM13931	H2	WAT	3540	7.855	-16.032	23.458	0.417000
HETATM13932	O	WAT	3541	-16.288	-20.158	-23.735	-0.834000
HETATM13933	H1	WAT	3541	-16.189	-19.221	-23.901	0.417000
HETATM13934	H2	WAT	3541	-15.428	-20.436	-23.419	0.417000
HETATM13935	O	WAT	3542	7.708	-20.600	-26.970	-0.834000
HETATM13936	H1	WAT	3542	7.276	-20.178	-27.712	0.417000
HETATM13937	H2	WAT	3542	8.630	-20.647	-27.224	0.417000
HETATM13938	O	WAT	3543	-10.765	-11.301	30.621	-0.834000
HETATM13939	H1	WAT	3543	-10.516	-12.052	31.160	0.417000
HETATM13940	H2	WAT	3543	-11.721	-11.321	30.609	0.417000
HETATM13941	O	WAT	3544	17.167	13.633	-0.928	-0.834000
HETATM13942	H1	WAT	3544	16.748	13.379	-0.106	0.417000
HETATM13943	H2	WAT	3544	16.821	13.017	-1.574	0.417000
HETATM13944	O	WAT	3545	-11.548	3.074	32.190	-0.834000
HETATM13945	H1	WAT	3545	-11.874	3.866	32.618	0.417000
HETATM13946	H2	WAT	3545	-11.650	2.386	32.848	0.417000
HETATM13947	O	WAT	3546	22.370	18.667	-7.301	-0.834000
HETATM13948	H1	WAT	3546	21.956	18.631	-6.439	0.417000
HETATM13949	H2	WAT	3546	23.309	18.647	-7.117	0.417000
HETATM13950	O	WAT	3547	7.916	-23.243	4.099	-0.834000
HETATM13951	H1	WAT	3547	8.666	-23.836	4.149	0.417000
HETATM13952	H2	WAT	3547	8.107	-22.561	4.742	0.417000
HETATM13953	O	WAT	3548	-24.081	0.445	3.619	-0.834000
HETATM13954	H1	WAT	3548	-23.793	0.343	2.711	0.417000
HETATM13955	H2	WAT	3548	-23.572	1.185	3.950	0.417000
HETATM13956	O	WAT	3549	12.447	-5.469	-21.365	-0.834000
HETATM13957	H1	WAT	3549	12.951	-4.780	-21.798	0.417000
HETATM13958	H2	WAT	3549	12.700	-6.273	-21.821	0.417000
HETATM13959	O	WAT	3550	-18.635	17.810	-10.895	-0.834000
HETATM13960	H1	WAT	3550	-17.893	17.554	-11.442	0.417000
HETATM13961	H2	WAT	3550	-18.990	16.982	-10.570	0.417000
HETATM13962	O	WAT	3551	26.997	-11.087	-8.388	-0.834000
HETATM13963	H1	WAT	3551	26.223	-11.622	-8.212	0.417000
HETATM13964	H2	WAT	3551	27.700	-11.514	-7.899	0.417000
HETATM13965	O	WAT	3552	9.584	9.630	30.428	-0.834000
HETATM13966	H1	WAT	3552	9.836	10.553	30.467	0.417000
HETATM13967	H2	WAT	3552	9.205	9.449	31.288	0.417000
HETATM13968	O	WAT	3553	3.231	-4.930	27.915	-0.834000
HETATM13969	H1	WAT	3553	3.689	-5.642	27.469	0.417000
HETATM13970	H2	WAT	3553	3.880	-4.228	27.975	0.417000
HETATM13971	O	WAT	3554	21.795	8.651	-22.612	-0.834000
HETATM13972	H1	WAT	3554	21.350	8.484	-21.781	0.417000
HETATM13973	H2	WAT	3554	22.630	8.190	-22.534	0.417000
HETATM13974	O	WAT	3555	-6.697	-11.018	-12.882	-0.834000
HETATM13975	H1	WAT	3555	-7.462	-10.669	-13.339	0.417000
HETATM13976	H2	WAT	3555	-6.539	-10.396	-12.171	0.417000
HETATM13977	O	WAT	3556	-32.633	-3.481	12.432	-0.834000
HETATM13978	H1	WAT	3556	-31.916	-3.366	11.809	0.417000
HETATM13979	H2	WAT	3556	-32.310	-3.092	13.245	0.417000
HETATM13980	O	WAT	3557	19.025	-17.276	10.375	-0.834000
HETATM13981	H1	WAT	3557	19.694	-17.477	9.720	0.417000
HETATM13982	H2	WAT	3557	19.090	-17.989	11.010	0.417000
HETATM13983	O	WAT	3558	-17.105	25.734	-11.174	-0.834000
HETATM13984	H1	WAT	3558	-16.379	25.121	-11.293	0.417000
HETATM13985	H2	WAT	3558	-17.653	25.328	-10.502	0.417000
HETATM13986	O	WAT	3559	-24.532	-9.159	-6.357	-0.834000
HETATM13987	H1	WAT	3559	-24.431	-9.468	-5.457	0.417000
HETATM13988	H2	WAT	3559	-23.652	-9.213	-6.729	0.417000
HETATM13989	O	WAT	3560	-1.071	16.475	22.045	-0.834000
HETATM13990	H1	WAT	3560	-1.983	16.763	22.034	0.417000
HETATM13991	H2	WAT	3560	-0.587	17.223	22.393	0.417000
HETATM13992	O	WAT	3561	13.408	-1.133	-19.451	-0.834000
HETATM13993	H1	WAT	3561	12.775	-1.804	-19.194	0.417000
HETATM13994	H2	WAT	3561	12.872	-0.378	-19.690	0.417000
HETATM13995	O	WAT	3562	-8.673	-27.509	-6.857	-0.834000
HETATM13996	H1	WAT	3562	-9.115	-26.711	-6.564	0.417000
HETATM13997	H2	WAT	3562	-7.861	-27.532	-6.352	0.417000

HETATM13998	O	WAT	3563	-4.599	19.915	6.244	-0.834000
HETATM13999	H1	WAT	3563	-4.081	20.260	5.517	0.417000
HETATM14000	H2	WAT	3563	-4.059	20.074	7.019	0.417000
HETATM14001	O	WAT	3564	4.468	-11.171	-32.991	-0.834000
HETATM14002	H1	WAT	3564	4.972	-11.504	-32.249	0.417000
HETATM14003	H2	WAT	3564	4.825	-10.297	-33.150	0.417000
HETATM14004	O	WAT	3565	-0.459	8.207	-20.846	-0.834000
HETATM14005	H1	WAT	3565	-0.312	9.135	-20.666	0.417000
HETATM14006	H2	WAT	3565	-0.444	8.142	-21.800	0.417000
HETATM14007	O	WAT	3566	-18.166	-0.884	-15.580	-0.834000
HETATM14008	H1	WAT	3566	-17.639	-1.075	-16.356	0.417000
HETATM14009	H2	WAT	3566	-19.065	-0.838	-15.907	0.417000
HETATM14010	O	WAT	3567	-25.694	14.898	-0.145	-0.834000
HETATM14011	H1	WAT	3567	-26.149	15.680	0.166	0.417000
HETATM14012	H2	WAT	3567	-26.311	14.485	-0.748	0.417000
HETATM14013	O	WAT	3568	14.491	12.107	21.096	-0.834000
HETATM14014	H1	WAT	3568	15.419	11.886	21.020	0.417000
HETATM14015	H2	WAT	3568	14.187	11.606	21.853	0.417000
HETATM14016	O	WAT	3569	5.302	-23.384	4.926	-0.834000
HETATM14017	H1	WAT	3569	5.276	-23.870	5.750	0.417000
HETATM14018	H2	WAT	3569	6.200	-23.492	4.613	0.417000
HETATM14019	O	WAT	3570	-0.581	-17.021	-19.491	-0.834000
HETATM14020	H1	WAT	3570	0.054	-17.214	-18.802	0.417000
HETATM14021	H2	WAT	3570	-0.397	-17.665	-20.175	0.417000
HETATM14022	O	WAT	3571	26.978	-5.782	-4.482	-0.834000
HETATM14023	H1	WAT	3571	26.967	-5.698	-3.529	0.417000
HETATM14024	H2	WAT	3571	26.663	-6.671	-4.648	0.417000
HETATM14025	O	WAT	3572	-12.840	-31.176	11.373	-0.834000
HETATM14026	H1	WAT	3572	-12.164	-30.556	11.647	0.417000
HETATM14027	H2	WAT	3572	-13.571	-31.012	11.969	0.417000
HETATM14028	O	WAT	3573	21.672	25.447	-10.355	-0.834000
HETATM14029	H1	WAT	3573	20.942	24.897	-10.639	0.417000
HETATM14030	H2	WAT	3573	21.909	25.105	-9.493	0.417000
HETATM14031	O	WAT	3574	11.924	-26.213	11.116	-0.834000
HETATM14032	H1	WAT	3574	12.333	-26.221	11.981	0.417000
HETATM14033	H2	WAT	3574	11.228	-25.560	11.185	0.417000
HETATM14034	O	WAT	3575	-12.797	31.306	-2.735	-0.834000
HETATM14035	H1	WAT	3575	-11.961	31.663	-3.034	0.417000
HETATM14036	H2	WAT	3575	-13.455	31.901	-3.095	0.417000
HETATM14037	O	WAT	3576	16.967	22.785	18.314	-0.834000
HETATM14038	H1	WAT	3576	16.532	23.579	18.625	0.417000
HETATM14039	H2	WAT	3576	17.676	23.104	17.755	0.417000
HETATM14040	O	WAT	3577	-18.867	-14.414	-13.112	-0.834000
HETATM14041	H1	WAT	3577	-19.017	-13.488	-13.302	0.417000
HETATM14042	H2	WAT	3577	-19.689	-14.843	-13.350	0.417000
HETATM14043	O	WAT	3578	18.252	-14.918	20.852	-0.834000
HETATM14044	H1	WAT	3578	19.093	-14.844	21.304	0.417000
HETATM14045	H2	WAT	3578	17.753	-14.158	21.149	0.417000
HETATM14046	O	WAT	3579	12.187	21.491	1.808	-0.834000
HETATM14047	H1	WAT	3579	11.531	21.923	1.260	0.417000
HETATM14048	H2	WAT	3579	12.914	22.112	1.847	0.417000
HETATM14049	O	WAT	3580	-20.738	21.591	-9.050	-0.834000
HETATM14050	H1	WAT	3580	-21.655	21.838	-9.171	0.417000
HETATM14051	H2	WAT	3580	-20.474	22.036	-8.245	0.417000
HETATM14052	O	WAT	3581	-14.618	3.048	-30.519	-0.834000
HETATM14053	H1	WAT	3581	-14.491	3.609	-29.754	0.417000
HETATM14054	H2	WAT	3581	-14.156	2.238	-30.302	0.417000
HETATM14055	O	WAT	3582	4.608	-27.627	-19.660	-0.834000
HETATM14056	H1	WAT	3582	3.857	-28.070	-20.056	0.417000
HETATM14057	H2	WAT	3582	4.852	-26.954	-20.295	0.417000
HETATM14058	O	WAT	3583	-6.106	-0.997	-29.848	-0.834000
HETATM14059	H1	WAT	3583	-5.699	-1.864	-29.846	0.417000
HETATM14060	H2	WAT	3583	-7.002	-1.153	-29.550	0.417000
HETATM14061	O	WAT	3584	16.155	-14.283	26.047	-0.834000
HETATM14062	H1	WAT	3584	16.012	-13.760	26.836	0.417000
HETATM14063	H2	WAT	3584	17.103	-14.412	26.014	0.417000
HETATM14064	O	WAT	3585	17.093	3.567	-30.001	-0.834000
HETATM14065	H1	WAT	3585	16.985	2.628	-29.854	0.417000
HETATM14066	H2	WAT	3585	16.215	3.931	-29.885	0.417000
HETATM14067	O	WAT	3586	-26.472	-13.822	-3.960	-0.834000

HETATM14068	H1	WAT	3586	-26.426	-13.707	-3.011	0.417000
HETATM14069	H2	WAT	3586	-26.691	-14.746	-4.080	0.417000
HETATM14070	O	WAT	3587	5.085	-20.308	23.293	-0.834000
HETATM14071	H1	WAT	3587	5.104	-19.498	23.802	0.417000
HETATM14072	H2	WAT	3587	4.301	-20.231	22.749	0.417000
HETATM14073	O	WAT	3588	-13.402	19.313	11.663	-0.834000
HETATM14074	H1	WAT	3588	-13.889	19.830	12.304	0.417000
HETATM14075	H2	WAT	3588	-12.720	18.878	12.174	0.417000
HETATM14076	O	WAT	3589	-8.951	-24.026	15.703	-0.834000
HETATM14077	H1	WAT	3589	-8.166	-24.523	15.934	0.417000
HETATM14078	H2	WAT	3589	-9.256	-24.426	14.888	0.417000
HETATM14079	O	WAT	3590	29.222	13.335	4.519	-0.834000
HETATM14080	H1	WAT	3590	29.156	14.244	4.811	0.417000
HETATM14081	H2	WAT	3590	30.151	13.122	4.608	0.417000
HETATM14082	O	WAT	3591	-21.611	-9.524	3.978	-0.834000
HETATM14083	H1	WAT	3591	-22.264	-9.976	4.513	0.417000
HETATM14084	H2	WAT	3591	-21.733	-8.597	4.184	0.417000
HETATM14085	O	WAT	3592	11.465	-23.022	24.896	-0.834000
HETATM14086	H1	WAT	3592	11.318	-22.468	24.130	0.417000
HETATM14087	H2	WAT	3592	11.983	-22.478	25.490	0.417000
HETATM14088	O	WAT	3593	-3.423	8.370	26.963	-0.834000
HETATM14089	H1	WAT	3593	-2.601	8.218	26.496	0.417000
HETATM14090	H2	WAT	3593	-3.183	8.949	27.687	0.417000
HETATM14091	O	WAT	3594	-19.374	-4.328	-9.862	-0.834000
HETATM14092	H1	WAT	3594	-18.544	-4.688	-10.175	0.417000
HETATM14093	H2	WAT	3594	-19.277	-3.381	-9.964	0.417000
HETATM14094	O	WAT	3595	12.118	-27.074	-10.456	-0.834000
HETATM14095	H1	WAT	3595	11.718	-26.365	-9.952	0.417000
HETATM14096	H2	WAT	3595	12.713	-27.500	-9.839	0.417000
HETATM14097	O	WAT	3596	-19.513	-2.945	-6.021	-0.834000
HETATM14098	H1	WAT	3596	-19.829	-3.727	-6.474	0.417000
HETATM14099	H2	WAT	3596	-20.255	-2.340	-6.040	0.417000
HETATM14100	O	WAT	3597	3.995	0.468	34.405	-0.834000
HETATM14101	H1	WAT	3597	4.819	0.243	34.836	0.417000
HETATM14102	H2	WAT	3597	3.548	-0.370	34.289	0.417000
HETATM14103	O	WAT	3598	-20.666	12.338	8.877	-0.834000
HETATM14104	H1	WAT	3598	-20.306	12.482	8.002	0.417000
HETATM14105	H2	WAT	3598	-19.902	12.328	9.452	0.417000
HETATM14106	O	WAT	3599	10.639	-28.626	11.072	-0.834000
HETATM14107	H1	WAT	3599	11.360	-29.199	11.331	0.417000
HETATM14108	H2	WAT	3599	11.005	-27.743	11.124	0.417000
HETATM14109	O	WAT	3600	-12.747	21.763	5.550	-0.834000
HETATM14110	H1	WAT	3600	-13.241	21.429	6.299	0.417000
HETATM14111	H2	WAT	3600	-12.587	22.683	5.761	0.417000
HETATM14112	O	WAT	3601	-12.313	-5.249	32.225	-0.834000
HETATM14113	H1	WAT	3601	-12.108	-6.093	32.627	0.417000
HETATM14114	H2	WAT	3601	-11.826	-5.251	31.401	0.417000
HETATM14115	O	WAT	3602	-12.127	28.968	1.800	-0.834000
HETATM14116	H1	WAT	3602	-12.778	28.269	1.853	0.417000
HETATM14117	H2	WAT	3602	-12.522	29.619	1.220	0.417000
HETATM14118	O	WAT	3603	-7.245	29.741	-4.482	-0.834000
HETATM14119	H1	WAT	3603	-8.178	29.758	-4.693	0.417000
HETATM14120	H2	WAT	3603	-7.193	29.251	-3.662	0.417000
HETATM14121	O	WAT	3604	-21.045	-17.981	-10.017	-0.834000
HETATM14122	H1	WAT	3604	-20.147	-17.652	-9.996	0.417000
HETATM14123	H2	WAT	3604	-21.568	-17.272	-9.641	0.417000
HETATM14124	O	WAT	3605	-14.956	18.730	3.490	-0.834000
HETATM14125	H1	WAT	3605	-15.122	18.229	2.692	0.417000
HETATM14126	H2	WAT	3605	-15.798	18.742	3.945	0.417000
HETATM14127	O	WAT	3606	4.269	-11.852	-28.211	-0.834000
HETATM14128	H1	WAT	3606	4.783	-11.182	-27.761	0.417000
HETATM14129	H2	WAT	3606	3.377	-11.725	-27.891	0.417000
HETATM14130	O	WAT	3607	20.229	-16.398	-11.050	-0.834000
HETATM14131	H1	WAT	3607	19.709	-15.901	-10.419	0.417000
HETATM14132	H2	WAT	3607	19.695	-17.167	-11.248	0.417000
HETATM14133	O	WAT	3608	-0.553	-14.569	-31.201	-0.834000
HETATM14134	H1	WAT	3608	0.389	-14.435	-31.300	0.417000
HETATM14135	H2	WAT	3608	-0.911	-13.687	-31.099	0.417000
HETATM14136	O	WAT	3609	13.381	-18.699	14.106	-0.834000
HETATM14137	H1	WAT	3609	13.209	-18.525	15.032	0.417000

HETATM14138	H2	WAT	3609	13.232	-19.640	14.008	0.417000
HETATM14139	O	WAT	3610	5.644	32.306	-8.344	-0.834000
HETATM14140	H1	WAT	3610	4.975	32.130	-7.682	0.417000
HETATM14141	H2	WAT	3610	6.471	32.099	-7.909	0.417000
HETATM14142	O	WAT	3611	6.884	20.881	22.346	-0.834000
HETATM14143	H1	WAT	3611	6.235	20.218	22.109	0.417000
HETATM14144	H2	WAT	3611	7.199	21.218	21.508	0.417000
HETATM14145	O	WAT	3612	-33.641	3.302	-2.645	-0.834000
HETATM14146	H1	WAT	3612	-34.557	3.335	-2.919	0.417000
HETATM14147	H2	WAT	3612	-33.452	4.187	-2.333	0.417000
HETATM14148	O	WAT	3613	5.541	-27.239	21.037	-0.834000
HETATM14149	H1	WAT	3613	5.039	-27.196	20.224	0.417000
HETATM14150	H2	WAT	3613	5.000	-27.765	21.626	0.417000
HETATM14151	O	WAT	3614	1.281	0.546	26.853	-0.834000
HETATM14152	H1	WAT	3614	0.847	0.112	27.588	0.417000
HETATM14153	H2	WAT	3614	1.290	-0.112	26.158	0.417000
HETATM14154	O	WAT	3615	5.493	25.221	13.406	-0.834000
HETATM14155	H1	WAT	3615	4.674	25.526	13.015	0.417000
HETATM14156	H2	WAT	3615	6.135	25.285	12.699	0.417000
HETATM14157	O	WAT	3616	22.396	1.605	21.765	-0.834000
HETATM14158	H1	WAT	3616	22.969	2.342	21.974	0.417000
HETATM14159	H2	WAT	3616	21.919	1.435	22.578	0.417000
HETATM14160	O	WAT	3617	-11.841	-15.010	-27.113	-0.834000
HETATM14161	H1	WAT	3617	-11.868	-14.188	-27.602	0.417000
HETATM14162	H2	WAT	3617	-11.399	-14.787	-26.293	0.417000
HETATM14163	O	WAT	3618	-22.013	22.729	14.156	-0.834000
HETATM14164	H1	WAT	3618	-22.767	23.296	14.321	0.417000
HETATM14165	H2	WAT	3618	-21.323	23.328	13.871	0.417000
HETATM14166	O	WAT	3619	20.636	14.874	19.649	-0.834000
HETATM14167	H1	WAT	3619	20.298	15.698	19.999	0.417000
HETATM14168	H2	WAT	3619	20.599	14.266	20.387	0.417000
HETATM14169	O	WAT	3620	19.918	-2.617	16.753	-0.834000
HETATM14170	H1	WAT	3620	19.780	-1.974	17.449	0.417000
HETATM14171	H2	WAT	3620	19.462	-3.402	17.058	0.417000
HETATM14172	O	WAT	3621	5.574	-24.441	-19.012	-0.834000
HETATM14173	H1	WAT	3621	5.591	-23.492	-19.138	0.417000
HETATM14174	H2	WAT	3621	5.052	-24.568	-18.219	0.417000
HETATM14175	O	WAT	3622	-23.573	-10.971	23.657	-0.834000
HETATM14176	H1	WAT	3622	-24.483	-10.684	23.580	0.417000
HETATM14177	H2	WAT	3622	-23.272	-11.060	22.753	0.417000
HETATM14178	O	WAT	3623	19.804	-7.479	20.919	-0.834000
HETATM14179	H1	WAT	3623	19.229	-8.244	20.942	0.417000
HETATM14180	H2	WAT	3623	20.568	-7.737	21.435	0.417000
HETATM14181	O	WAT	3624	-7.340	0.300	25.117	-0.834000
HETATM14182	H1	WAT	3624	-7.520	1.040	25.697	0.417000
HETATM14183	H2	WAT	3624	-7.029	0.702	24.306	0.417000
HETATM14184	O	WAT	3625	-10.153	22.337	-25.483	-0.834000
HETATM14185	H1	WAT	3625	-10.288	21.419	-25.249	0.417000
HETATM14186	H2	WAT	3625	-9.206	22.463	-25.423	0.417000
HETATM14187	O	WAT	3626	17.916	-1.074	-24.437	-0.834000
HETATM14188	H1	WAT	3626	17.824	-0.241	-24.901	0.417000
HETATM14189	H2	WAT	3626	17.632	-0.883	-23.543	0.417000
HETATM14190	O	WAT	3627	13.173	-14.964	-14.889	-0.834000
HETATM14191	H1	WAT	3627	12.468	-14.322	-14.802	0.417000
HETATM14192	H2	WAT	3627	12.947	-15.653	-14.264	0.417000
HETATM14193	O	WAT	3628	-19.673	-14.883	14.175	-0.834000
HETATM14194	H1	WAT	3628	-19.509	-15.059	15.101	0.417000
HETATM14195	H2	WAT	3628	-20.580	-15.155	14.036	0.417000
HETATM14196	O	WAT	3629	0.208	-16.245	-27.635	-0.834000
HETATM14197	H1	WAT	3629	-0.213	-15.395	-27.508	0.417000
HETATM14198	H2	WAT	3629	0.858	-16.090	-28.320	0.417000
HETATM14199	O	WAT	3630	-6.786	-9.672	-27.852	-0.834000
HETATM14200	H1	WAT	3630	-5.960	-10.117	-28.038	0.417000
HETATM14201	H2	WAT	3630	-7.125	-10.112	-27.072	0.417000
HETATM14202	O	WAT	3631	-20.024	13.574	-5.185	-0.834000
HETATM14203	H1	WAT	3631	-19.242	13.594	-4.634	0.417000
HETATM14204	H2	WAT	3631	-20.248	14.496	-5.316	0.417000
HETATM14205	O	WAT	3632	-4.050	4.047	-30.085	-0.834000
HETATM14206	H1	WAT	3632	-4.979	4.275	-30.094	0.417000
HETATM14207	H2	WAT	3632	-3.909	3.648	-29.227	0.417000

HETATM14208	O	WAT	3633	6.760	-31.327	11.613	-0.834000
HETATM14209	H1	WAT	3633	6.808	-32.245	11.877	0.417000
HETATM14210	H2	WAT	3633	5.827	-31.118	11.642	0.417000
HETATM14211	O	WAT	3634	-15.999	30.883	-0.050	-0.834000
HETATM14212	H1	WAT	3634	-16.301	31.101	-0.931	0.417000
HETATM14213	H2	WAT	3634	-16.271	31.627	0.488	0.417000
HETATM14214	O	WAT	3635	-20.356	-27.026	5.878	-0.834000
HETATM14215	H1	WAT	3635	-20.904	-26.417	6.372	0.417000
HETATM14216	H2	WAT	3635	-20.978	-27.597	5.428	0.417000
HETATM14217	O	WAT	3636	23.410	-21.478	9.487	-0.834000
HETATM14218	H1	WAT	3636	22.824	-22.123	9.883	0.417000
HETATM14219	H2	WAT	3636	23.272	-21.576	8.544	0.417000
HETATM14220	O	WAT	3637	24.087	15.528	14.335	-0.834000
HETATM14221	H1	WAT	3637	23.728	14.961	15.018	0.417000
HETATM14222	H2	WAT	3637	23.321	15.953	13.949	0.417000
HETATM14223	O	WAT	3638	-14.532	15.348	-13.202	-0.834000
HETATM14224	H1	WAT	3638	-13.871	15.437	-12.515	0.417000
HETATM14225	H2	WAT	3638	-14.119	15.719	-13.982	0.417000
HETATM14226	O	WAT	3639	9.618	15.931	-27.455	-0.834000
HETATM14227	H1	WAT	3639	8.985	16.300	-26.839	0.417000
HETATM14228	H2	WAT	3639	9.088	15.409	-28.058	0.417000
HETATM14229	O	WAT	3640	16.443	1.930	22.663	-0.834000
HETATM14230	H1	WAT	3640	16.140	2.809	22.890	0.417000
HETATM14231	H2	WAT	3640	17.112	2.073	21.993	0.417000
HETATM14232	O	WAT	3641	-15.154	16.232	-4.408	-0.834000
HETATM14233	H1	WAT	3641	-15.509	17.026	-4.008	0.417000
HETATM14234	H2	WAT	3641	-14.724	15.772	-3.688	0.417000
HETATM14235	O	WAT	3642	-28.873	-7.222	0.548	-0.834000
HETATM14236	H1	WAT	3642	-28.004	-7.587	0.379	0.417000
HETATM14237	H2	WAT	3642	-28.702	-6.398	1.004	0.417000
HETATM14238	O	WAT	3643	33.774	-0.248	-9.167	-0.834000
HETATM14239	H1	WAT	3643	34.412	-0.960	-9.115	0.417000
HETATM14240	H2	WAT	3643	32.969	-0.621	-8.809	0.417000
HETATM14241	O	WAT	3644	14.250	21.012	-7.086	-0.834000
HETATM14242	H1	WAT	3644	13.531	20.659	-6.561	0.417000
HETATM14243	H2	WAT	3644	13.910	21.837	-7.433	0.417000
HETATM14244	O	WAT	3645	-13.056	18.765	9.070	-0.834000
HETATM14245	H1	WAT	3645	-13.268	18.962	9.982	0.417000
HETATM14246	H2	WAT	3645	-13.022	17.809	9.034	0.417000
HETATM14247	O	WAT	3646	-15.428	22.885	2.027	-0.834000
HETATM14248	H1	WAT	3646	-14.762	22.254	2.298	0.417000
HETATM14249	H2	WAT	3646	-15.829	23.178	2.845	0.417000
HETATM14250	O	WAT	3647	30.900	3.186	-6.516	-0.834000
HETATM14251	H1	WAT	3647	31.507	3.382	-7.230	0.417000
HETATM14252	H2	WAT	3647	30.604	4.043	-6.212	0.417000
HETATM14253	O	WAT	3648	10.418	14.018	-6.182	-0.834000
HETATM14254	H1	WAT	3648	10.238	14.288	-7.082	0.417000
HETATM14255	H2	WAT	3648	11.372	13.951	-6.138	0.417000
HETATM14256	O	WAT	3649	20.533	4.978	3.512	-0.834000
HETATM14257	H1	WAT	3649	20.070	4.218	3.865	0.417000
HETATM14258	H2	WAT	3649	20.891	4.674	2.678	0.417000
HETATM14259	O	WAT	3650	-8.034	-23.902	12.252	-0.834000
HETATM14260	H1	WAT	3650	-8.620	-24.539	12.660	0.417000
HETATM14261	H2	WAT	3650	-7.767	-24.313	11.430	0.417000
HETATM14262	O	WAT	3651	-14.099	-17.785	26.169	-0.834000
HETATM14263	H1	WAT	3651	-13.204	-17.674	26.491	0.417000
HETATM14264	H2	WAT	3651	-14.508	-18.378	26.799	0.417000
HETATM14265	O	WAT	3652	-11.411	16.052	-22.479	-0.834000
HETATM14266	H1	WAT	3652	-12.055	16.046	-23.187	0.417000
HETATM14267	H2	WAT	3652	-11.529	16.902	-22.055	0.417000
HETATM14268	O	WAT	3653	4.970	14.575	15.692	-0.834000
HETATM14269	H1	WAT	3653	5.831	14.991	15.737	0.417000
HETATM14270	H2	WAT	3653	4.942	14.001	16.457	0.417000
HETATM14271	O	WAT	3654	12.936	23.347	-7.700	-0.834000
HETATM14272	H1	WAT	3654	13.156	23.952	-6.992	0.417000
HETATM14273	H2	WAT	3654	11.981	23.285	-7.674	0.417000
HETATM14274	O	WAT	3655	6.990	25.078	-2.438	-0.834000
HETATM14275	H1	WAT	3655	6.471	24.292	-2.611	0.417000
HETATM14276	H2	WAT	3655	7.692	25.049	-3.087	0.417000
HETATM14277	O	WAT	3656	24.578	11.524	-7.316	-0.834000

HETATM14278	H1	WAT	3656	24.466	12.437	-7.579	0.417000
HETATM14279	H2	WAT	3656	24.698	11.050	-8.139	0.417000
HETATM14280	O	WAT	3657	12.550	-32.131	-7.273	-0.834000
HETATM14281	H1	WAT	3657	11.613	-31.937	-7.280	0.417000
HETATM14282	H2	WAT	3657	12.870	-31.739	-6.461	0.417000
HETATM14283	O	WAT	3658	-13.387	-13.122	27.897	-0.834000
HETATM14284	H1	WAT	3658	-13.642	-13.498	28.740	0.417000
HETATM14285	H2	WAT	3658	-14.195	-13.114	27.384	0.417000
HETATM14286	O	WAT	3659	-0.611	-21.970	25.893	-0.834000
HETATM14287	H1	WAT	3659	0.138	-21.521	26.285	0.417000
HETATM14288	H2	WAT	3659	-0.662	-22.804	26.360	0.417000
HETATM14289	O	WAT	3660	-9.907	-27.808	4.398	-0.834000
HETATM14290	H1	WAT	3660	-9.269	-27.401	4.984	0.417000
HETATM14291	H2	WAT	3660	-10.465	-27.084	4.113	0.417000
HETATM14292	O	WAT	3661	-2.434	16.159	-15.131	-0.834000
HETATM14293	H1	WAT	3661	-1.796	15.464	-14.972	0.417000
HETATM14294	H2	WAT	3661	-3.282	15.753	-14.949	0.417000
HETATM14295	O	WAT	3662	-2.997	20.288	8.386	-0.834000
HETATM14296	H1	WAT	3662	-2.202	19.861	8.067	0.417000
HETATM14297	H2	WAT	3662	-3.207	19.828	9.198	0.417000
HETATM14298	O	WAT	3663	-20.686	18.048	-20.795	-0.834000
HETATM14299	H1	WAT	3663	-20.996	17.451	-21.475	0.417000
HETATM14300	H2	WAT	3663	-20.633	18.899	-21.230	0.417000
HETATM14301	O	WAT	3664	25.889	6.724	23.603	-0.834000
HETATM14302	H1	WAT	3664	25.098	6.331	23.972	0.417000
HETATM14303	H2	WAT	3664	25.653	6.936	22.700	0.417000
HETATM14304	O	WAT	3665	-14.000	11.047	-14.258	-0.834000
HETATM14305	H1	WAT	3665	-14.109	10.251	-14.778	0.417000
HETATM14306	H2	WAT	3665	-13.322	11.542	-14.716	0.417000
HETATM14307	O	WAT	3666	-1.007	11.649	-13.620	-0.834000
HETATM14308	H1	WAT	3666	-0.278	11.594	-13.001	0.417000
HETATM14309	H2	WAT	3666	-1.414	10.783	-13.587	0.417000
HETATM14310	O	WAT	3667	-24.124	-7.718	10.806	-0.834000
HETATM14311	H1	WAT	3667	-23.592	-8.511	10.863	0.417000
HETATM14312	H2	WAT	3667	-24.220	-7.561	9.867	0.417000
HETATM14313	O	WAT	3668	-17.089	3.180	-4.132	-0.834000
HETATM14314	H1	WAT	3668	-17.140	3.389	-3.199	0.417000
HETATM14315	H2	WAT	3668	-16.275	2.685	-4.222	0.417000
HETATM14316	O	WAT	3669	15.744	20.381	13.283	-0.834000
HETATM14317	H1	WAT	3669	15.923	19.882	14.080	0.417000
HETATM14318	H2	WAT	3669	14.878	20.762	13.428	0.417000
HETATM14319	O	WAT	3670	13.451	-1.531	29.482	-0.834000
HETATM14320	H1	WAT	3670	14.389	-1.637	29.324	0.417000
HETATM14321	H2	WAT	3670	13.380	-0.701	29.954	0.417000
HETATM14322	O	WAT	3671	-6.488	-13.708	-12.800	-0.834000
HETATM14323	H1	WAT	3671	-5.643	-13.719	-12.349	0.417000
HETATM14324	H2	WAT	3671	-6.690	-12.778	-12.908	0.417000
HETATM14325	O	WAT	3672	-27.299	-5.204	-7.557	-0.834000
HETATM14326	H1	WAT	3672	-28.006	-5.733	-7.929	0.417000
HETATM14327	H2	WAT	3672	-26.890	-5.773	-6.906	0.417000
HETATM14328	O	WAT	3673	7.739	18.322	-11.948	-0.834000
HETATM14329	H1	WAT	3673	7.052	18.568	-12.567	0.417000
HETATM14330	H2	WAT	3673	7.281	17.840	-11.260	0.417000
HETATM14331	O	WAT	3674	-28.331	13.010	3.289	-0.834000
HETATM14332	H1	WAT	3674	-27.907	12.545	2.567	0.417000
HETATM14333	H2	WAT	3674	-29.174	12.569	3.395	0.417000
HETATM14334	O	WAT	3675	-2.140	21.354	-14.769	-0.834000
HETATM14335	H1	WAT	3675	-1.688	21.440	-13.929	0.417000
HETATM14336	H2	WAT	3675	-2.056	22.217	-15.176	0.417000
HETATM14337	O	WAT	3676	0.208	10.888	-20.319	-0.834000
HETATM14338	H1	WAT	3676	0.822	10.753	-21.041	0.417000
HETATM14339	H2	WAT	3676	0.172	11.839	-20.210	0.417000
HETATM14340	O	WAT	3677	1.522	-17.601	-25.630	-0.834000
HETATM14341	H1	WAT	3677	1.781	-18.493	-25.862	0.417000
HETATM14342	H2	WAT	3677	1.080	-17.270	-26.411	0.417000
HETATM14343	O	WAT	3678	-16.597	-28.782	5.432	-0.834000
HETATM14344	H1	WAT	3678	-17.000	-27.966	5.136	0.417000
HETATM14345	H2	WAT	3678	-16.760	-28.802	6.375	0.417000
HETATM14346	O	WAT	3679	0.292	-11.097	20.475	-0.834000
HETATM14347	H1	WAT	3679	0.952	-10.454	20.216	0.417000

HETATM14348	H2	WAT	3679	-0.446	-10.931	19.890	0.417000
HETATM14349	O	WAT	3680	14.373	8.750	31.108	-0.834000
HETATM14350	H1	WAT	3680	15.207	8.434	31.455	0.417000
HETATM14351	H2	WAT	3680	13.861	7.956	30.955	0.417000
HETATM14352	O	WAT	3681	17.867	-9.357	25.856	-0.834000
HETATM14353	H1	WAT	3681	17.403	-8.614	26.243	0.417000
HETATM14354	H2	WAT	3681	17.906	-10.007	26.558	0.417000
HETATM14355	O	WAT	3682	-29.534	9.999	-15.991	-0.834000
HETATM14356	H1	WAT	3682	-28.589	9.882	-15.894	0.417000
HETATM14357	H2	WAT	3682	-29.821	10.343	-15.145	0.417000
HETATM14358	O	WAT	3683	-12.605	12.720	-7.003	-0.834000
HETATM14359	H1	WAT	3683	-13.524	12.572	-7.226	0.417000
HETATM14360	H2	WAT	3683	-12.119	12.403	-7.764	0.417000
HETATM14361	O	WAT	3684	25.009	1.444	14.616	-0.834000
HETATM14362	H1	WAT	3684	24.962	1.552	15.566	0.417000
HETATM14363	H2	WAT	3684	24.303	0.832	14.409	0.417000
HETATM14364	O	WAT	3685	6.995	-22.182	-21.650	-0.834000
HETATM14365	H1	WAT	3685	7.846	-22.208	-21.213	0.417000
HETATM14366	H2	WAT	3685	7.033	-22.892	-22.291	0.417000
HETATM14367	O	WAT	3686	-15.584	30.062	-7.260	-0.834000
HETATM14368	H1	WAT	3686	-16.405	29.723	-6.904	0.417000
HETATM14369	H2	WAT	3686	-14.920	29.435	-6.972	0.417000
HETATM14370	O	WAT	3687	-1.432	30.915	-11.470	-0.834000
HETATM14371	H1	WAT	3687	-1.363	30.940	-12.425	0.417000
HETATM14372	H2	WAT	3687	-0.733	30.322	-11.195	0.417000
HETATM14373	O	WAT	3688	13.315	-7.850	-22.443	-0.834000
HETATM14374	H1	WAT	3688	13.718	-7.959	-23.304	0.417000
HETATM14375	H2	WAT	3688	12.507	-8.362	-22.490	0.417000
HETATM14376	O	WAT	3689	-4.486	-25.124	10.455	-0.834000
HETATM14377	H1	WAT	3689	-5.428	-25.166	10.290	0.417000
HETATM14378	H2	WAT	3689	-4.140	-25.930	10.073	0.417000
HETATM14379	O	WAT	3690	18.309	-26.714	10.364	-0.834000
HETATM14380	H1	WAT	3690	17.830	-26.878	11.177	0.417000
HETATM14381	H2	WAT	3690	17.686	-26.931	9.671	0.417000
HETATM14382	O	WAT	3691	-13.698	12.866	-21.343	-0.834000
HETATM14383	H1	WAT	3691	-13.264	13.484	-20.754	0.417000
HETATM14384	H2	WAT	3691	-13.092	12.771	-22.078	0.417000
HETATM14385	O	WAT	3692	10.812	10.319	-27.460	-0.834000
HETATM14386	H1	WAT	3692	11.625	10.789	-27.276	0.417000
HETATM14387	H2	WAT	3692	10.562	10.607	-28.338	0.417000
HETATM14388	O	WAT	3693	24.743	-17.168	-14.243	-0.834000
HETATM14389	H1	WAT	3693	24.217	-16.397	-14.454	0.417000
HETATM14390	H2	WAT	3693	24.379	-17.488	-13.418	0.417000
HETATM14391	O	WAT	3694	-3.113	-9.404	-24.269	-0.834000
HETATM14392	H1	WAT	3694	-2.271	-9.638	-23.879	0.417000
HETATM14393	H2	WAT	3694	-3.669	-10.168	-24.114	0.417000
HETATM14394	O	WAT	3695	29.958	-2.544	-11.196	-0.834000
HETATM14395	H1	WAT	3695	29.631	-3.228	-11.779	0.417000
HETATM14396	H2	WAT	3695	29.902	-2.928	-10.321	0.417000
HETATM14397	O	WAT	3696	-30.277	-3.226	-5.463	-0.834000
HETATM14398	H1	WAT	3696	-30.975	-3.570	-6.020	0.417000
HETATM14399	H2	WAT	3696	-30.662	-2.459	-5.041	0.417000
HETATM14400	O	WAT	3697	-29.699	11.718	-9.576	-0.834000
HETATM14401	H1	WAT	3697	-29.521	12.175	-10.398	0.417000
HETATM14402	H2	WAT	3697	-30.298	12.297	-9.105	0.417000
HETATM14403	O	WAT	3698	-13.910	1.992	-22.211	-0.834000
HETATM14404	H1	WAT	3698	-14.030	2.695	-21.572	0.417000
HETATM14405	H2	WAT	3698	-13.324	2.365	-22.870	0.417000
HETATM14406	O	WAT	3699	-21.266	-22.619	1.022	-0.834000
HETATM14407	H1	WAT	3699	-20.417	-22.178	1.042	0.417000
HETATM14408	H2	WAT	3699	-21.430	-22.864	1.933	0.417000
HETATM14409	O	WAT	3700	-1.972	20.712	-3.564	-0.834000
HETATM14410	H1	WAT	3700	-1.148	20.243	-3.436	0.417000
HETATM14411	H2	WAT	3700	-2.525	20.097	-4.046	0.417000
HETATM14412	O	WAT	3701	-28.577	-1.090	6.768	-0.834000
HETATM14413	H1	WAT	3701	-29.174	-1.209	7.506	0.417000
HETATM14414	H2	WAT	3701	-27.740	-1.434	7.079	0.417000
HETATM14415	O	WAT	3702	-4.426	-15.849	-26.219	-0.834000
HETATM14416	H1	WAT	3702	-3.554	-16.243	-26.230	0.417000
HETATM14417	H2	WAT	3702	-4.984	-16.492	-26.657	0.417000

HETATM14418	O	WAT	3703	18.848	20.930	16.024	-0.834000
HETATM14419	H1	WAT	3703	19.611	20.542	16.452	0.417000
HETATM14420	H2	WAT	3703	18.844	21.840	16.321	0.417000
HETATM14421	O	WAT	3704	-32.878	-6.922	3.668	-0.834000
HETATM14422	H1	WAT	3704	-33.446	-6.289	3.229	0.417000
HETATM14423	H2	WAT	3704	-32.876	-7.684	3.089	0.417000
HETATM14424	O	WAT	3705	7.397	-4.083	-23.746	-0.834000
HETATM14425	H1	WAT	3705	6.628	-3.639	-24.102	0.417000
HETATM14426	H2	WAT	3705	7.843	-3.413	-23.228	0.417000
HETATM14427	O	WAT	3706	-2.286	10.191	-28.754	-0.834000
HETATM14428	H1	WAT	3706	-2.885	10.110	-28.012	0.417000
HETATM14429	H2	WAT	3706	-2.154	11.133	-28.855	0.417000
HETATM14430	O	WAT	3707	-30.603	-10.241	3.084	-0.834000
HETATM14431	H1	WAT	3707	-30.138	-9.567	3.579	0.417000
HETATM14432	H2	WAT	3707	-31.376	-9.794	2.739	0.417000
HETATM14433	O	WAT	3708	-24.085	19.715	-13.523	-0.834000
HETATM14434	H1	WAT	3708	-23.640	20.323	-14.115	0.417000
HETATM14435	H2	WAT	3708	-24.747	20.250	-13.085	0.417000
HETATM14436	O	WAT	3709	-30.496	-3.403	10.623	-0.834000
HETATM14437	H1	WAT	3709	-30.857	-3.958	9.932	0.417000
HETATM14438	H2	WAT	3709	-29.618	-3.754	10.778	0.417000
HETATM14439	O	WAT	3710	14.465	19.157	-3.267	-0.834000
HETATM14440	H1	WAT	3710	14.244	20.005	-2.882	0.417000
HETATM14441	H2	WAT	3710	14.723	18.615	-2.521	0.417000
HETATM14442	O	WAT	3711	-31.733	4.862	12.322	-0.834000
HETATM14443	H1	WAT	3711	-32.599	5.018	11.944	0.417000
HETATM14444	H2	WAT	3711	-31.891	4.238	13.031	0.417000
HETATM14445	O	WAT	3712	-24.452	8.014	15.866	-0.834000
HETATM14446	H1	WAT	3712	-24.610	8.919	16.136	0.417000
HETATM14447	H2	WAT	3712	-23.717	7.728	16.409	0.417000
HETATM14448	O	WAT	3713	12.533	-6.102	17.883	-0.834000
HETATM14449	H1	WAT	3713	13.146	-6.169	17.151	0.417000
HETATM14450	H2	WAT	3713	13.083	-5.889	18.637	0.417000
HETATM14451	O	WAT	3714	10.525	7.598	-27.258	-0.834000
HETATM14452	H1	WAT	3714	10.188	7.479	-26.370	0.417000
HETATM14453	H2	WAT	3714	10.678	8.540	-27.333	0.417000
HETATM14454	O	WAT	3715	14.094	-15.738	21.729	-0.834000
HETATM14455	H1	WAT	3715	14.889	-16.256	21.606	0.417000
HETATM14456	H2	WAT	3715	14.318	-15.117	22.423	0.417000
HETATM14457	O	WAT	3716	13.083	11.894	-27.196	-0.834000
HETATM14458	H1	WAT	3716	12.675	12.748	-27.337	0.417000
HETATM14459	H2	WAT	3716	13.751	12.055	-26.530	0.417000
HETATM14460	O	WAT	3717	-11.517	-5.043	-10.202	-0.834000
HETATM14461	H1	WAT	3717	-11.813	-5.903	-9.904	0.417000
HETATM14462	H2	WAT	3717	-10.603	-5.178	-10.454	0.417000
HETATM14463	O	WAT	3718	-23.100	-19.742	-6.117	-0.834000
HETATM14464	H1	WAT	3718	-22.564	-20.159	-5.443	0.417000
HETATM14465	H2	WAT	3718	-22.641	-19.929	-6.937	0.417000
HETATM14466	O	WAT	3719	32.112	-4.601	-2.474	-0.834000
HETATM14467	H1	WAT	3719	31.630	-4.592	-1.648	0.417000
HETATM14468	H2	WAT	3719	32.725	-3.869	-2.403	0.417000
HETATM14469	O	WAT	3720	-5.851	-27.569	13.053	-0.834000
HETATM14470	H1	WAT	3720	-6.113	-27.507	12.134	0.417000
HETATM14471	H2	WAT	3720	-5.450	-28.434	13.130	0.417000
HETATM14472	O	WAT	3721	15.439	26.924	-15.410	-0.834000
HETATM14473	H1	WAT	3721	15.264	27.263	-16.287	0.417000
HETATM14474	H2	WAT	3721	15.287	27.670	-14.830	0.417000
HETATM14475	O	WAT	3722	20.803	0.078	-11.532	-0.834000
HETATM14476	H1	WAT	3722	20.568	-0.288	-10.679	0.417000
HETATM14477	H2	WAT	3722	21.006	-0.685	-12.072	0.417000
HETATM14478	O	WAT	3723	-14.494	-2.712	-22.140	-0.834000
HETATM14479	H1	WAT	3723	-13.814	-2.563	-22.797	0.417000
HETATM14480	H2	WAT	3723	-14.462	-1.935	-21.582	0.417000
HETATM14481	O	WAT	3724	-16.173	6.429	-25.864	-0.834000
HETATM14482	H1	WAT	3724	-16.323	6.753	-26.752	0.417000
HETATM14483	H2	WAT	3724	-16.923	5.861	-25.687	0.417000
HETATM14484	O	WAT	3725	-32.507	11.820	-6.079	-0.834000
HETATM14485	H1	WAT	3725	-33.327	11.714	-5.596	0.417000
HETATM14486	H2	WAT	3725	-32.339	10.958	-6.459	0.417000
HETATM14487	O	WAT	3726	0.811	-29.228	-13.078	-0.834000

HETATM14488	H1	WAT	3726	0.181	-29.891	-12.795	0.417000
HETATM14489	H2	WAT	3726	0.298	-28.423	-13.146	0.417000
HETATM14490	O	WAT	3727	10.584	22.390	-23.638	-0.834000
HETATM14491	H1	WAT	3727	11.087	21.597	-23.826	0.417000
HETATM14492	H2	WAT	3727	9.957	22.122	-22.966	0.417000
HETATM14493	O	WAT	3728	-16.576	-17.562	-24.531	-0.834000
HETATM14494	H1	WAT	3728	-17.528	-17.464	-24.497	0.417000
HETATM14495	H2	WAT	3728	-16.355	-17.434	-25.453	0.417000
HETATM14496	O	WAT	3729	8.896	26.616	15.043	-0.834000
HETATM14497	H1	WAT	3729	9.151	27.352	14.487	0.417000
HETATM14498	H2	WAT	3729	7.947	26.703	15.135	0.417000
HETATM14499	O	WAT	3730	16.723	5.533	-24.482	-0.834000
HETATM14500	H1	WAT	3730	16.412	5.806	-25.345	0.417000
HETATM14501	H2	WAT	3730	17.042	6.338	-24.076	0.417000
HETATM14502	O	WAT	3731	-21.734	-7.049	16.732	-0.834000
HETATM14503	H1	WAT	3731	-22.583	-7.322	16.383	0.417000
HETATM14504	H2	WAT	3731	-21.873	-6.148	17.023	0.417000
HETATM14505	O	WAT	3732	17.101	5.465	7.801	-0.834000
HETATM14506	H1	WAT	3732	17.152	6.395	7.584	0.417000
HETATM14507	H2	WAT	3732	16.923	5.033	6.965	0.417000
HETATM14508	O	WAT	3733	-21.544	7.129	22.554	-0.834000
HETATM14509	H1	WAT	3733	-21.837	7.911	23.023	0.417000
HETATM14510	H2	WAT	3733	-22.255	6.499	22.672	0.417000
HETATM14511	O	WAT	3734	-21.170	-19.474	-12.366	-0.834000
HETATM14512	H1	WAT	3734	-20.639	-18.922	-12.940	0.417000
HETATM14513	H2	WAT	3734	-21.182	-19.008	-11.530	0.417000
HETATM14514	O	WAT	3735	-7.021	22.776	-12.091	-0.834000
HETATM14515	H1	WAT	3735	-7.367	22.325	-11.321	0.417000
HETATM14516	H2	WAT	3735	-6.086	22.573	-12.088	0.417000
HETATM14517	O	WAT	3736	20.155	8.037	27.426	-0.834000
HETATM14518	H1	WAT	3736	20.767	8.346	26.759	0.417000
HETATM14519	H2	WAT	3736	20.611	8.182	28.255	0.417000
HETATM14520	O	WAT	3737	-3.260	-21.655	0.212	-0.834000
HETATM14521	H1	WAT	3737	-2.674	-21.053	0.672	0.417000
HETATM14522	H2	WAT	3737	-3.961	-21.097	-0.123	0.417000
HETATM14523	O	WAT	3738	6.324	16.020	-30.694	-0.834000
HETATM14524	H1	WAT	3738	5.481	15.670	-30.406	0.417000
HETATM14525	H2	WAT	3738	6.237	16.104	-31.643	0.417000
HETATM14526	O	WAT	3739	-25.046	14.870	-13.740	-0.834000
HETATM14527	H1	WAT	3739	-25.191	15.799	-13.917	0.417000
HETATM14528	H2	WAT	3739	-24.353	14.615	-14.350	0.417000
HETATM14529	O	WAT	3740	-28.986	-8.701	17.166	-0.834000
HETATM14530	H1	WAT	3740	-28.674	-8.198	17.918	0.417000
HETATM14531	H2	WAT	3740	-29.712	-9.222	17.511	0.417000
HETATM14532	O	WAT	3741	9.983	-30.774	-9.867	-0.834000
HETATM14533	H1	WAT	3741	9.972	-30.969	-8.930	0.417000
HETATM14534	H2	WAT	3741	9.151	-30.328	-10.029	0.417000
HETATM14535	O	WAT	3742	6.197	-19.028	9.744	-0.834000
HETATM14536	H1	WAT	3742	5.278	-19.198	9.950	0.417000
HETATM14537	H2	WAT	3742	6.335	-18.116	10.003	0.417000
HETATM14538	O	WAT	3743	25.673	-7.535	5.373	-0.834000
HETATM14539	H1	WAT	3743	25.489	-7.809	4.474	0.417000
HETATM14540	H2	WAT	3743	26.420	-6.942	5.294	0.417000
HETATM14541	O	WAT	3744	5.690	31.016	0.057	-0.834000
HETATM14542	H1	WAT	3744	6.003	30.879	-0.837	0.417000
HETATM14543	H2	WAT	3744	5.793	30.163	0.480	0.417000
HETATM14544	O	WAT	3745	0.545	-17.053	14.387	-0.834000
HETATM14545	H1	WAT	3745	-0.287	-17.364	14.745	0.417000
HETATM14546	H2	WAT	3745	0.427	-16.108	14.295	0.417000
HETATM14547	O	WAT	3746	-24.291	14.179	-11.222	-0.834000
HETATM14548	H1	WAT	3746	-24.588	14.376	-12.111	0.417000
HETATM14549	H2	WAT	3746	-23.597	14.816	-11.055	0.417000
HETATM14550	O	WAT	3747	15.206	17.968	6.337	-0.834000
HETATM14551	H1	WAT	3747	14.380	17.915	6.818	0.417000
HETATM14552	H2	WAT	3747	15.643	17.137	6.519	0.417000
HETATM14553	O	WAT	3748	16.565	7.253	-1.504	-0.834000
HETATM14554	H1	WAT	3748	15.620	7.239	-1.654	0.417000
HETATM14555	H2	WAT	3748	16.826	8.153	-1.700	0.417000
HETATM14556	O	WAT	3749	13.418	12.551	-13.714	-0.834000
HETATM14557	H1	WAT	3749	14.216	13.079	-13.722	0.417000

HETATM14558	H2	WAT	3749	12.862	12.968	-13.056	0.417000
HETATM14559	O	WAT	3750	20.444	-24.748	-1.921	-0.834000
HETATM14560	H1	WAT	3750	20.483	-23.792	-1.906	0.417000
HETATM14561	H2	WAT	3750	20.111	-24.960	-2.794	0.417000
HETATM14562	O	WAT	3751	13.855	-12.600	11.618	-0.834000
HETATM14563	H1	WAT	3751	14.503	-13.175	12.025	0.417000
HETATM14564	H2	WAT	3751	13.461	-13.133	10.928	0.417000
HETATM14565	O	WAT	3752	7.031	2.050	-23.532	-0.834000
HETATM14566	H1	WAT	3752	6.385	2.145	-24.232	0.417000
HETATM14567	H2	WAT	3752	6.663	1.379	-22.957	0.417000
HETATM14568	O	WAT	3753	12.883	23.670	9.568	-0.834000
HETATM14569	H1	WAT	3753	12.912	24.515	9.120	0.417000
HETATM14570	H2	WAT	3753	13.398	23.086	9.011	0.417000
HETATM14571	O	WAT	3754	-21.442	21.612	3.580	-0.834000
HETATM14572	H1	WAT	3754	-20.600	22.060	3.669	0.417000
HETATM14573	H2	WAT	3754	-22.059	22.164	4.060	0.417000
HETATM14574	O	WAT	3755	0.226	3.632	-29.966	-0.834000
HETATM14575	H1	WAT	3755	-0.409	4.325	-30.145	0.417000
HETATM14576	H2	WAT	3755	0.037	3.360	-29.068	0.417000
HETATM14577	O	WAT	3756	-1.691	17.769	-17.221	-0.834000
HETATM14578	H1	WAT	3756	-2.010	17.378	-18.034	0.417000
HETATM14579	H2	WAT	3756	-1.993	17.174	-16.535	0.417000
HETATM14580	O	WAT	3757	10.282	6.771	-29.888	-0.834000
HETATM14581	H1	WAT	3757	9.699	7.444	-30.240	0.417000
HETATM14582	H2	WAT	3757	10.308	6.947	-28.947	0.417000
HETATM14583	O	WAT	3758	-10.150	29.852	8.575	-0.834000
HETATM14584	H1	WAT	3758	-9.965	30.708	8.189	0.417000
HETATM14585	H2	WAT	3758	-9.422	29.299	8.292	0.417000
HETATM14586	O	WAT	3759	-3.603	17.507	21.967	-0.834000
HETATM14587	H1	WAT	3759	-3.820	18.370	21.616	0.417000
HETATM14588	H2	WAT	3759	-4.251	16.920	21.578	0.417000
HETATM14589	O	WAT	3760	29.917	0.041	2.833	-0.834000
HETATM14590	H1	WAT	3760	30.440	0.539	3.461	0.417000
HETATM14591	H2	WAT	3760	29.425	-0.580	3.370	0.417000
HETATM14592	O	WAT	3761	-18.864	-12.729	-26.524	-0.834000
HETATM14593	H1	WAT	3761	-18.539	-13.003	-27.382	0.417000
HETATM14594	H2	WAT	3761	-18.594	-13.431	-25.931	0.417000
HETATM14595	O	WAT	3762	-6.272	-16.440	-5.463	-0.834000
HETATM14596	H1	WAT	3762	-5.731	-16.392	-6.251	0.417000
HETATM14597	H2	WAT	3762	-7.112	-16.066	-5.726	0.417000
HETATM14598	O	WAT	3763	19.626	7.592	10.594	-0.834000
HETATM14599	H1	WAT	3763	19.493	6.688	10.310	0.417000
HETATM14600	H2	WAT	3763	19.923	8.050	9.808	0.417000
HETATM14601	O	WAT	3764	-2.691	21.358	17.303	-0.834000
HETATM14602	H1	WAT	3764	-3.602	21.600	17.137	0.417000
HETATM14603	H2	WAT	3764	-2.421	20.885	16.515	0.417000
HETATM14604	O	WAT	3765	26.277	-4.438	-22.378	-0.834000
HETATM14605	H1	WAT	3765	25.569	-4.289	-21.751	0.417000
HETATM14606	H2	WAT	3765	26.256	-3.671	-22.950	0.417000
HETATM14607	O	WAT	3766	-20.563	14.574	18.442	-0.834000
HETATM14608	H1	WAT	3766	-19.906	14.924	17.841	0.417000
HETATM14609	H2	WAT	3766	-21.401	14.773	18.024	0.417000
HETATM14610	O	WAT	3767	-0.795	26.824	-10.494	-0.834000
HETATM14611	H1	WAT	3767	-1.626	26.542	-10.114	0.417000
HETATM14612	H2	WAT	3767	-0.960	26.853	-11.437	0.417000
HETATM14613	O	WAT	3768	14.639	9.656	-11.557	-0.834000
HETATM14614	H1	WAT	3768	13.792	10.096	-11.625	0.417000
HETATM14615	H2	WAT	3768	15.068	9.830	-12.395	0.417000
HETATM14616	O	WAT	3769	-12.586	16.930	-18.810	-0.834000
HETATM14617	H1	WAT	3769	-12.379	17.495	-19.555	0.417000
HETATM14618	H2	WAT	3769	-13.128	17.475	-18.239	0.417000
HETATM14619	O	WAT	3770	4.958	-20.666	5.204	-0.834000
HETATM14620	H1	WAT	3770	4.947	-21.608	5.035	0.417000
HETATM14621	H2	WAT	3770	5.391	-20.579	6.053	0.417000
HETATM14622	O	WAT	3771	1.437	12.779	30.025	-0.834000
HETATM14623	H1	WAT	3771	1.829	13.519	29.561	0.417000
HETATM14624	H2	WAT	3771	1.219	12.152	29.335	0.417000
HETATM14625	O	WAT	3772	-8.854	19.019	-11.337	-0.834000
HETATM14626	H1	WAT	3772	-9.505	18.693	-10.716	0.417000
HETATM14627	H2	WAT	3772	-8.250	18.286	-11.459	0.417000

HETATM14628	O	WAT	3773	-22.291	-15.562	14.099	-0.834000
HETATM14629	H1	WAT	3773	-22.551	-14.981	14.814	0.417000
HETATM14630	H2	WAT	3773	-22.923	-15.383	13.403	0.417000
HETATM14631	O	WAT	3774	-27.581	8.832	-11.190	-0.834000
HETATM14632	H1	WAT	3774	-27.145	8.140	-10.692	0.417000
HETATM14633	H2	WAT	3774	-27.042	9.609	-11.042	0.417000
HETATM14634	O	WAT	3775	1.166	-0.246	22.632	-0.834000
HETATM14635	H1	WAT	3775	1.187	-0.649	23.501	0.417000
HETATM14636	H2	WAT	3775	0.394	-0.624	22.212	0.417000
HETATM14637	O	WAT	3776	0.009	-4.152	-27.626	-0.834000
HETATM14638	H1	WAT	3776	-0.220	-3.882	-26.736	0.417000
HETATM14639	H2	WAT	3776	0.684	-4.820	-27.507	0.417000
HETATM14640	O	WAT	3777	11.007	4.490	23.751	-0.834000
HETATM14641	H1	WAT	3777	11.006	3.882	23.012	0.417000
HETATM14642	H2	WAT	3777	11.177	5.346	23.357	0.417000
HETATM14643	O	WAT	3778	-10.330	16.218	-17.319	-0.834000
HETATM14644	H1	WAT	3778	-10.377	16.663	-16.473	0.417000
HETATM14645	H2	WAT	3778	-11.111	16.511	-17.788	0.417000
HETATM14646	O	WAT	3779	-18.108	5.310	-11.607	-0.834000
HETATM14647	H1	WAT	3779	-18.938	5.079	-11.190	0.417000
HETATM14648	H2	WAT	3779	-17.442	5.067	-10.964	0.417000
HETATM14649	O	WAT	3780	-7.871	30.753	-9.865	-0.834000
HETATM14650	H1	WAT	3780	-7.560	31.396	-9.228	0.417000
HETATM14651	H2	WAT	3780	-7.691	29.906	-9.457	0.417000
HETATM14652	O	WAT	3781	-15.941	-4.007	22.433	-0.834000
HETATM14653	H1	WAT	3781	-16.299	-4.257	21.581	0.417000
HETATM14654	H2	WAT	3781	-16.222	-4.704	23.025	0.417000
HETATM14655	O	WAT	3782	-32.062	-13.138	-1.069	-0.834000
HETATM14656	H1	WAT	3782	-31.350	-12.656	-1.489	0.417000
HETATM14657	H2	WAT	3782	-32.857	-12.804	-1.486	0.417000
HETATM14658	O	WAT	3783	-13.759	16.427	6.274	-0.834000
HETATM14659	H1	WAT	3783	-14.685	16.665	6.322	0.417000
HETATM14660	H2	WAT	3783	-13.462	16.440	7.184	0.417000
HETATM14661	O	WAT	3784	-6.709	-11.028	24.318	-0.834000
HETATM14662	H1	WAT	3784	-6.810	-11.904	23.945	0.417000
HETATM14663	H2	WAT	3784	-6.818	-10.437	23.573	0.417000
HETATM14664	O	WAT	3785	-17.684	18.549	4.363	-0.834000
HETATM14665	H1	WAT	3785	-17.716	19.020	3.530	0.417000
HETATM14666	H2	WAT	3785	-18.384	17.900	4.299	0.417000
HETATM14667	O	WAT	3786	19.797	18.516	1.856	-0.834000
HETATM14668	H1	WAT	3786	19.764	17.718	1.328	0.417000
HETATM14669	H2	WAT	3786	20.584	18.415	2.393	0.417000
HETATM14670	O	WAT	3787	7.084	18.051	-19.225	-0.834000
HETATM14671	H1	WAT	3787	6.231	18.302	-18.870	0.417000
HETATM14672	H2	WAT	3787	7.177	18.577	-20.020	0.417000
HETATM14673	O	WAT	3788	8.111	-20.443	11.069	-0.834000
HETATM14674	H1	WAT	3788	8.478	-19.799	11.674	0.417000
HETATM14675	H2	WAT	3788	7.493	-19.945	10.534	0.417000
HETATM14676	O	WAT	3789	25.789	20.235	-2.187	-0.834000
HETATM14677	H1	WAT	3789	25.935	20.925	-1.540	0.417000
HETATM14678	H2	WAT	3789	26.108	19.439	-1.764	0.417000
HETATM14679	O	WAT	3790	29.704	-1.979	-1.044	-0.834000
HETATM14680	H1	WAT	3790	29.721	-1.833	-1.990	0.417000
HETATM14681	H2	WAT	3790	28.774	-1.985	-0.819	0.417000
HETATM14682	O	WAT	3791	-29.606	14.508	8.399	-0.834000
HETATM14683	H1	WAT	3791	-29.879	14.269	9.285	0.417000
HETATM14684	H2	WAT	3791	-30.220	14.045	7.828	0.417000
HETATM14685	O	WAT	3792	17.410	23.309	8.852	-0.834000
HETATM14686	H1	WAT	3792	17.343	24.067	8.271	0.417000
HETATM14687	H2	WAT	3792	16.938	23.572	9.643	0.417000
HETATM14688	O	WAT	3793	-8.651	-1.552	-29.013	-0.834000
HETATM14689	H1	WAT	3793	-8.968	-2.030	-29.780	0.417000
HETATM14690	H2	WAT	3793	-8.870	-2.116	-28.272	0.417000
HETATM14691	O	WAT	3794	16.387	21.419	-11.569	-0.834000
HETATM14692	H1	WAT	3794	15.670	21.883	-12.002	0.417000
HETATM14693	H2	WAT	3794	16.129	20.498	-11.602	0.417000
HETATM14694	O	WAT	3795	-31.263	0.185	3.467	-0.834000
HETATM14695	H1	WAT	3795	-31.926	0.839	3.692	0.417000
HETATM14696	H2	WAT	3795	-31.318	0.107	2.515	0.417000
HETATM14697	O	WAT	3796	20.716	-5.268	26.998	-0.834000

HETATM14698	H1	WAT	3796	21.018	-5.980	27.562	0.417000
HETATM14699	H2	WAT	3796	21.413	-4.614	27.043	0.417000
HETATM14700	O	WAT	3797	-9.944	14.430	-27.152	-0.834000
HETATM14701	H1	WAT	3797	-9.578	15.279	-26.905	0.417000
HETATM14702	H2	WAT	3797	-10.881	14.512	-26.974	0.417000
HETATM14703	O	WAT	3798	-22.383	-14.502	8.092	-0.834000
HETATM14704	H1	WAT	3798	-21.440	-14.654	8.042	0.417000
HETATM14705	H2	WAT	3798	-22.772	-15.369	7.974	0.417000
HETATM14706	O	WAT	3799	-17.765	9.448	24.412	-0.834000
HETATM14707	H1	WAT	3799	-18.145	10.327	24.413	0.417000
HETATM14708	H2	WAT	3799	-17.441	9.326	25.304	0.417000
HETATM14709	O	WAT	3800	-17.139	23.693	10.572	-0.834000
HETATM14710	H1	WAT	3800	-17.678	24.382	10.962	0.417000
HETATM14711	H2	WAT	3800	-16.428	23.562	11.200	0.417000
HETATM14712	O	WAT	3801	-6.489	23.532	-5.822	-0.834000
HETATM14713	H1	WAT	3801	-6.965	23.626	-6.647	0.417000
HETATM14714	H2	WAT	3801	-6.154	24.409	-5.637	0.417000
HETATM14715	O	WAT	3802	-14.369	18.067	-25.912	-0.834000
HETATM14716	H1	WAT	3802	-14.201	18.995	-26.075	0.417000
HETATM14717	H2	WAT	3802	-15.130	17.863	-26.456	0.417000
HETATM14718	O	WAT	3803	-25.550	12.703	13.563	-0.834000
HETATM14719	H1	WAT	3803	-26.236	12.116	13.244	0.417000
HETATM14720	H2	WAT	3803	-25.653	13.498	13.040	0.417000
HETATM14721	O	WAT	3804	22.404	-17.366	-9.659	-0.834000
HETATM14722	H1	WAT	3804	23.019	-16.680	-9.399	0.417000
HETATM14723	H2	WAT	3804	21.689	-16.896	-10.089	0.417000
HETATM14724	O	WAT	3805	-5.994	-26.450	-23.133	-0.834000
HETATM14725	H1	WAT	3805	-6.527	-26.229	-23.897	0.417000
HETATM14726	H2	WAT	3805	-6.226	-25.790	-22.480	0.417000
HETATM14727	O	WAT	3806	13.988	21.594	-2.122	-0.834000
HETATM14728	H1	WAT	3806	14.503	21.694	-1.321	0.417000
HETATM14729	H2	WAT	3806	14.193	22.373	-2.638	0.417000
HETATM14730	O	WAT	3807	-18.489	-10.271	25.328	-0.834000
HETATM14731	H1	WAT	3807	-19.034	-9.577	25.697	0.417000
HETATM14732	H2	WAT	3807	-18.976	-11.077	25.502	0.417000
HETATM14733	O	WAT	3808	-26.516	-8.773	2.872	-0.834000
HETATM14734	H1	WAT	3808	-26.366	-8.514	1.963	0.417000
HETATM14735	H2	WAT	3808	-26.115	-8.075	3.390	0.417000
HETATM14736	O	WAT	3809	3.960	-22.119	8.431	-0.834000
HETATM14737	H1	WAT	3809	3.287	-21.490	8.170	0.417000
HETATM14738	H2	WAT	3809	3.836	-22.226	9.374	0.417000
HETATM14739	O	WAT	3810	-20.476	-7.392	-6.208	-0.834000
HETATM14740	H1	WAT	3810	-19.580	-7.397	-5.872	0.417000
HETATM14741	H2	WAT	3810	-20.553	-6.559	-6.672	0.417000
HETATM14742	O	WAT	3811	-13.345	23.663	23.028	-0.834000
HETATM14743	H1	WAT	3811	-12.601	23.585	22.432	0.417000
HETATM14744	H2	WAT	3811	-13.953	22.981	22.743	0.417000
HETATM14745	O	WAT	3812	-0.282	18.620	-0.295	-0.834000
HETATM14746	H1	WAT	3812	-0.192	19.527	-0.002	0.417000
HETATM14747	H2	WAT	3812	0.174	18.107	0.372	0.417000
HETATM14748	O	WAT	3813	21.588	-0.856	8.069	-0.834000
HETATM14749	H1	WAT	3813	22.393	-0.344	8.005	0.417000
HETATM14750	H2	WAT	3813	21.748	-1.624	7.520	0.417000
HETATM14751	O	WAT	3814	-13.347	19.461	-3.176	-0.834000
HETATM14752	H1	WAT	3814	-12.673	18.830	-2.925	0.417000
HETATM14753	H2	WAT	3814	-13.146	20.243	-2.661	0.417000
HETATM14754	O	WAT	3815	3.370	-3.623	-26.699	-0.834000
HETATM14755	H1	WAT	3815	3.058	-4.502	-26.912	0.417000
HETATM14756	H2	WAT	3815	3.433	-3.179	-27.545	0.417000
HETATM14757	O	WAT	3816	10.840	19.268	0.788	-0.834000
HETATM14758	H1	WAT	3816	11.328	18.445	0.773	0.417000
HETATM14759	H2	WAT	3816	11.470	19.915	1.105	0.417000
HETATM14760	O	WAT	3817	-15.465	24.936	-16.866	-0.834000
HETATM14761	H1	WAT	3817	-14.779	24.413	-16.452	0.417000
HETATM14762	H2	WAT	3817	-15.628	24.499	-17.702	0.417000
HETATM14763	O	WAT	3818	29.635	-15.824	0.711	-0.834000
HETATM14764	H1	WAT	3818	29.862	-15.074	1.262	0.417000
HETATM14765	H2	WAT	3818	30.147	-16.548	1.069	0.417000
HETATM14766	O	WAT	3819	-14.589	-11.126	-3.498	-0.834000
HETATM14767	H1	WAT	3819	-13.710	-11.395	-3.231	0.417000

HETATM14768	H2	WAT	3819	-14.528	-10.177	-3.603	0.417000
HETATM14769	O	WAT	3820	-23.409	17.512	2.295	-0.834000
HETATM14770	H1	WAT	3820	-22.881	18.014	2.916	0.417000
HETATM14771	H2	WAT	3820	-23.154	17.849	1.436	0.417000
HETATM14772	O	WAT	3821	19.215	23.314	11.800	-0.834000
HETATM14773	H1	WAT	3821	19.362	22.807	11.001	0.417000
HETATM14774	H2	WAT	3821	18.946	22.665	12.450	0.417000
HETATM14775	O	WAT	3822	-28.869	-8.552	4.360	-0.834000
HETATM14776	H1	WAT	3822	-28.664	-8.978	5.192	0.417000
HETATM14777	H2	WAT	3822	-28.053	-8.596	3.861	0.417000
HETATM14778	O	WAT	3823	-15.649	-2.675	-4.021	-0.834000
HETATM14779	H1	WAT	3823	-16.092	-1.846	-4.197	0.417000
HETATM14780	H2	WAT	3823	-14.940	-2.445	-3.420	0.417000
HETATM14781	O	WAT	3824	-19.096	7.037	23.938	-0.834000
HETATM14782	H1	WAT	3824	-18.746	7.920	24.056	0.417000
HETATM14783	H2	WAT	3824	-19.875	7.158	23.396	0.417000
HETATM14784	O	WAT	3825	-13.353	18.723	15.065	-0.834000
HETATM14785	H1	WAT	3825	-12.673	18.391	14.479	0.417000
HETATM14786	H2	WAT	3825	-13.225	18.237	15.880	0.417000
HETATM14787	O	WAT	3826	-1.552	13.049	-10.858	-0.834000
HETATM14788	H1	WAT	3826	-0.725	12.894	-11.313	0.417000
HETATM14789	H2	WAT	3826	-1.353	13.739	-10.226	0.417000
HETATM14790	O	WAT	3827	1.586	-16.191	27.314	-0.834000
HETATM14791	H1	WAT	3827	2.013	-16.988	26.999	0.417000
HETATM14792	H2	WAT	3827	1.453	-15.664	26.526	0.417000
HETATM14793	O	WAT	3828	4.369	17.622	1.105	-0.834000
HETATM14794	H1	WAT	3828	5.124	17.675	1.691	0.417000
HETATM14795	H2	WAT	3828	4.698	17.933	0.262	0.417000
HETATM14796	O	WAT	3829	6.661	-12.244	19.584	-0.834000
HETATM14797	H1	WAT	3829	5.760	-12.494	19.377	0.417000
HETATM14798	H2	WAT	3829	7.176	-13.029	19.394	0.417000
HETATM14799	O	WAT	3830	9.721	32.860	-5.342	-0.834000
HETATM14800	H1	WAT	3830	9.528	32.985	-4.413	0.417000
HETATM14801	H2	WAT	3830	10.513	32.322	-5.352	0.417000
HETATM14802	O	WAT	3831	3.672	12.008	31.413	-0.834000
HETATM14803	H1	WAT	3831	2.864	12.314	31.001	0.417000
HETATM14804	H2	WAT	3831	3.680	12.434	32.270	0.417000
HETATM14805	O	WAT	3832	-6.690	-24.395	-21.507	-0.834000
HETATM14806	H1	WAT	3832	-6.759	-24.726	-20.611	0.417000
HETATM14807	H2	WAT	3832	-5.871	-23.901	-21.517	0.417000
HETATM14808	O	WAT	3833	-7.869	14.831	24.765	-0.834000
HETATM14809	H1	WAT	3833	-7.512	15.459	24.136	0.417000
HETATM14810	H2	WAT	3833	-7.519	13.985	24.483	0.417000
HETATM14811	O	WAT	3834	0.330	14.297	22.983	-0.834000
HETATM14812	H1	WAT	3834	0.770	14.690	23.737	0.417000
HETATM14813	H2	WAT	3834	-0.205	15.005	22.623	0.417000
HETATM14814	O	WAT	3835	-25.274	-7.494	13.293	-0.834000
HETATM14815	H1	WAT	3835	-26.193	-7.761	13.261	0.417000
HETATM14816	H2	WAT	3835	-24.960	-7.612	12.396	0.417000
HETATM14817	O	WAT	3836	-9.029	-21.108	-7.787	-0.834000
HETATM14818	H1	WAT	3836	-8.612	-21.108	-6.925	0.417000
HETATM14819	H2	WAT	3836	-8.632	-20.367	-8.245	0.417000
HETATM14820	O	WAT	3837	-22.653	18.589	-11.422	-0.834000
HETATM14821	H1	WAT	3837	-21.801	18.972	-11.632	0.417000
HETATM14822	H2	WAT	3837	-23.226	18.872	-12.134	0.417000
HETATM14823	O	WAT	3838	-26.416	0.780	-23.399	-0.834000
HETATM14824	H1	WAT	3838	-26.081	-0.062	-23.091	0.417000
HETATM14825	H2	WAT	3838	-26.470	0.683	-24.350	0.417000
HETATM14826	O	WAT	3839	-24.723	9.565	23.019	-0.834000
HETATM14827	H1	WAT	3839	-25.201	9.763	23.824	0.417000
HETATM14828	H2	WAT	3839	-23.825	9.401	23.307	0.417000
HETATM14829	O	WAT	3840	-12.610	-10.516	27.318	-0.834000
HETATM14830	H1	WAT	3840	-12.846	-11.404	27.588	0.417000
HETATM14831	H2	WAT	3840	-12.746	-10.510	26.371	0.417000
HETATM14832	O	WAT	3841	-25.147	-18.960	-12.039	-0.834000
HETATM14833	H1	WAT	3841	-26.053	-18.730	-12.242	0.417000
HETATM14834	H2	WAT	3841	-24.808	-18.203	-11.563	0.417000
HETATM14835	O	WAT	3842	28.946	-12.165	-11.512	-0.834000
HETATM14836	H1	WAT	3842	28.250	-12.581	-12.021	0.417000
HETATM14837	H2	WAT	3842	29.041	-12.721	-10.738	0.417000

HETATM14838	O	WAT	3843	-12.660	-10.928	24.496	-0.834000
HETATM14839	H1	WAT	3843	-13.346	-10.611	23.909	0.417000
HETATM14840	H2	WAT	3843	-12.617	-11.869	24.327	0.417000
HETATM14841	O	WAT	3844	13.593	2.058	16.572	-0.834000
HETATM14842	H1	WAT	3844	12.932	1.384	16.730	0.417000
HETATM14843	H2	WAT	3844	13.493	2.280	15.646	0.417000
HETATM14844	O	WAT	3845	8.596	2.678	30.952	-0.834000
HETATM14845	H1	WAT	3845	7.639	2.656	30.928	0.417000
HETATM14846	H2	WAT	3845	8.808	3.579	31.196	0.417000
HETATM14847	O	WAT	3846	9.404	11.127	16.147	-0.834000
HETATM14848	H1	WAT	3846	10.216	10.782	16.517	0.417000
HETATM14849	H2	WAT	3846	9.444	10.892	15.220	0.417000
HETATM14850	O	WAT	3847	-10.084	7.066	22.844	-0.834000
HETATM14851	H1	WAT	3847	-10.260	6.742	23.727	0.417000
HETATM14852	H2	WAT	3847	-10.127	6.287	22.290	0.417000
HETATM14853	O	WAT	3848	-8.572	28.470	-16.136	-0.834000
HETATM14854	H1	WAT	3848	-9.096	28.799	-15.406	0.417000
HETATM14855	H2	WAT	3848	-8.011	27.800	-15.745	0.417000
HETATM14856	O	WAT	3849	29.543	5.146	-2.944	-0.834000
HETATM14857	H1	WAT	3849	29.506	4.230	-2.671	0.417000
HETATM14858	H2	WAT	3849	28.626	5.401	-3.053	0.417000
HETATM14859	O	WAT	3850	-31.891	4.533	6.948	-0.834000
HETATM14860	H1	WAT	3850	-32.703	4.215	6.554	0.417000
HETATM14861	H2	WAT	3850	-31.667	3.872	7.603	0.417000
HETATM14862	O	WAT	3851	26.488	-13.239	16.633	-0.834000
HETATM14863	H1	WAT	3851	27.432	-13.320	16.768	0.417000
HETATM14864	H2	WAT	3851	26.227	-14.080	16.257	0.417000
HETATM14865	O	WAT	3852	15.304	-10.971	-21.286	-0.834000
HETATM14866	H1	WAT	3852	16.033	-10.678	-20.739	0.417000
HETATM14867	H2	WAT	3852	15.518	-10.650	-22.162	0.417000
HETATM14868	O	WAT	3853	-8.157	20.938	-1.896	-0.834000
HETATM14869	H1	WAT	3853	-7.511	20.296	-1.602	0.417000
HETATM14870	H2	WAT	3853	-7.646	21.593	-2.369	0.417000
HETATM14871	O	WAT	3854	-10.760	-7.717	24.091	-0.834000
HETATM14872	H1	WAT	3854	-10.520	-8.487	24.607	0.417000
HETATM14873	H2	WAT	3854	-10.624	-7.987	23.183	0.417000
HETATM14874	O	WAT	3855	-2.993	10.080	29.038	-0.834000
HETATM14875	H1	WAT	3855	-3.152	11.023	28.994	0.417000
HETATM14876	H2	WAT	3855	-2.106	10.003	29.390	0.417000
HETATM14877	O	WAT	3856	21.137	-5.603	7.161	-0.834000
HETATM14878	H1	WAT	3856	21.943	-6.111	7.063	0.417000
HETATM14879	H2	WAT	3856	20.709	-5.667	6.307	0.417000
HETATM14880	O	WAT	3857	-11.456	-2.176	-19.273	-0.834000
HETATM14881	H1	WAT	3857	-11.894	-2.262	-18.426	0.417000
HETATM14882	H2	WAT	3857	-11.111	-3.050	-19.454	0.417000
HETATM14883	O	WAT	3858	-19.630	-18.716	6.748	-0.834000
HETATM14884	H1	WAT	3858	-18.963	-19.289	6.370	0.417000
HETATM14885	H2	WAT	3858	-19.629	-17.943	6.185	0.417000
HETATM14886	O	WAT	3859	22.188	4.862	15.439	-0.834000
HETATM14887	H1	WAT	3859	21.448	4.256	15.442	0.417000
HETATM14888	H2	WAT	3859	22.476	4.893	16.352	0.417000
HETATM14889	O	WAT	3860	1.100	17.697	-17.179	-0.834000
HETATM14890	H1	WAT	3860	0.146	17.777	-17.159	0.417000
HETATM14891	H2	WAT	3860	1.403	18.277	-16.479	0.417000
HETATM14892	O	WAT	3861	-5.087	-24.165	-6.223	-0.834000
HETATM14893	H1	WAT	3861	-5.597	-24.543	-5.506	0.417000
HETATM14894	H2	WAT	3861	-5.485	-24.524	-7.016	0.417000
HETATM14895	O	WAT	3862	11.657	4.186	-17.458	-0.834000
HETATM14896	H1	WAT	3862	10.706	4.095	-17.400	0.417000
HETATM14897	H2	WAT	3862	11.999	3.466	-16.929	0.417000
HETATM14898	O	WAT	3863	-5.242	8.983	30.163	-0.834000
HETATM14899	H1	WAT	3863	-4.453	9.350	29.764	0.417000
HETATM14900	H2	WAT	3863	-5.145	9.166	31.098	0.417000
HETATM14901	O	WAT	3864	10.723	0.075	-32.829	-0.834000
HETATM14902	H1	WAT	3864	10.945	0.620	-32.075	0.417000
HETATM14903	H2	WAT	3864	11.566	-0.242	-33.153	0.417000
HETATM14904	O	WAT	3865	31.336	3.885	-12.655	-0.834000
HETATM14905	H1	WAT	3865	30.929	4.179	-11.840	0.417000
HETATM14906	H2	WAT	3865	32.226	3.638	-12.402	0.417000
HETATM14907	O	WAT	3866	-19.508	22.171	-11.425	-0.834000

HETATM14908	H1	WAT	3866	-19.938	21.961	-10.596	0.417000
HETATM14909	H2	WAT	3866	-19.802	23.059	-11.629	0.417000
HETATM14910	O	WAT	3867	-11.233	23.440	10.609	-0.834000
HETATM14911	H1	WAT	3867	-10.833	22.578	10.725	0.417000
HETATM14912	H2	WAT	3867	-10.518	24.058	10.760	0.417000
HETATM14913	O	WAT	3868	3.186	-10.104	29.944	-0.834000
HETATM14914	H1	WAT	3868	3.552	-9.726	29.144	0.417000
HETATM14915	H2	WAT	3868	2.588	-9.434	30.274	0.417000
HETATM14916	O	WAT	3869	14.505	10.633	-29.171	-0.834000
HETATM14917	H1	WAT	3869	13.944	10.767	-29.935	0.417000
HETATM14918	H2	WAT	3869	14.069	11.112	-28.466	0.417000
HETATM14919	O	WAT	3870	-22.552	-6.115	-18.831	-0.834000
HETATM14920	H1	WAT	3870	-22.086	-5.864	-18.034	0.417000
HETATM14921	H2	WAT	3870	-21.878	-6.121	-19.511	0.417000
HETATM14922	O	WAT	3871	22.568	-23.864	3.157	-0.834000
HETATM14923	H1	WAT	3871	23.106	-24.124	2.410	0.417000
HETATM14924	H2	WAT	3871	21.953	-24.588	3.274	0.417000
HETATM14925	O	WAT	3872	-21.795	26.793	-0.556	-0.834000
HETATM14926	H1	WAT	3872	-22.145	26.821	-1.446	0.417000
HETATM14927	H2	WAT	3872	-20.874	26.559	-0.668	0.417000
HETATM14928	O	WAT	3873	-16.290	13.235	-24.840	-0.834000
HETATM14929	H1	WAT	3873	-16.638	14.027	-25.249	0.417000
HETATM14930	H2	WAT	3873	-16.415	13.375	-23.901	0.417000
HETATM14931	O	WAT	3874	16.887	21.927	-7.167	-0.834000
HETATM14932	H1	WAT	3874	17.088	22.103	-6.247	0.417000
HETATM14933	H2	WAT	3874	16.006	21.554	-7.153	0.417000
HETATM14934	O	WAT	3875	-15.376	-12.847	-27.540	-0.834000
HETATM14935	H1	WAT	3875	-15.208	-11.941	-27.797	0.417000
HETATM14936	H2	WAT	3875	-16.197	-13.072	-27.978	0.417000
HETATM14937	O	WAT	3876	-29.881	6.212	-12.275	-0.834000
HETATM14938	H1	WAT	3876	-29.280	6.803	-12.728	0.417000
HETATM14939	H2	WAT	3876	-29.632	6.277	-11.353	0.417000
HETATM14940	O	WAT	3877	-19.170	12.912	6.645	-0.834000
HETATM14941	H1	WAT	3877	-18.244	12.909	6.887	0.417000
HETATM14942	H2	WAT	3877	-19.216	12.354	5.868	0.417000
HETATM14943	O	WAT	3878	-0.779	-7.627	29.452	-0.834000
HETATM14944	H1	WAT	3878	-0.699	-7.723	28.503	0.417000
HETATM14945	H2	WAT	3878	-0.731	-6.683	29.602	0.417000
HETATM14946	O	WAT	3879	-12.433	-12.732	-2.736	-0.834000
HETATM14947	H1	WAT	3879	-12.629	-13.600	-2.384	0.417000
HETATM14948	H2	WAT	3879	-12.016	-12.905	-3.580	0.417000
HETATM14949	O	WAT	3880	-25.858	10.901	-10.834	-0.834000
HETATM14950	H1	WAT	3880	-25.008	11.074	-10.429	0.417000
HETATM14951	H2	WAT	3880	-26.350	11.713	-10.714	0.417000
HETATM14952	O	WAT	3881	6.523	-33.897	-1.485	-0.834000
HETATM14953	H1	WAT	3881	6.287	-34.776	-1.187	0.417000
HETATM14954	H2	WAT	3881	6.114	-33.819	-2.347	0.417000
HETATM14955	O	WAT	3882	33.195	11.727	0.086	-0.834000
HETATM14956	H1	WAT	3882	32.959	12.325	0.794	0.417000
HETATM14957	H2	WAT	3882	33.143	10.856	0.480	0.417000
HETATM14958	O	WAT	3883	-0.917	-14.584	-24.771	-0.834000
HETATM14959	H1	WAT	3883	-1.268	-13.817	-24.318	0.417000
HETATM14960	H2	WAT	3883	-0.997	-14.370	-25.701	0.417000
HETATM14961	O	WAT	3884	17.070	24.596	-2.944	-0.834000
HETATM14962	H1	WAT	3884	16.603	24.988	-2.206	0.417000
HETATM14963	H2	WAT	3884	17.944	24.985	-2.909	0.417000
HETATM14964	O	WAT	3885	-17.336	-19.300	16.110	-0.834000
HETATM14965	H1	WAT	3885	-17.262	-18.958	15.218	0.417000
HETATM14966	H2	WAT	3885	-18.155	-18.929	16.441	0.417000
HETATM14967	O	WAT	3886	22.155	-0.432	-17.967	-0.834000
HETATM14968	H1	WAT	3886	22.102	-0.176	-17.046	0.417000
HETATM14969	H2	WAT	3886	22.357	0.380	-18.431	0.417000
HETATM14970	O	WAT	3887	1.997	-28.295	12.524	-0.834000
HETATM14971	H1	WAT	3887	1.655	-28.500	13.394	0.417000
HETATM14972	H2	WAT	3887	1.825	-29.083	12.008	0.417000
HETATM14973	O	WAT	3888	6.602	-22.807	1.730	-0.834000
HETATM14974	H1	WAT	3888	7.122	-22.866	2.531	0.417000
HETATM14975	H2	WAT	3888	6.045	-23.585	1.748	0.417000
HETATM14976	O	WAT	3889	12.332	-17.931	8.813	-0.834000
HETATM14977	H1	WAT	3889	13.213	-17.561	8.756	0.417000

HETATM14978	H2	WAT	3889	11.845	-17.306	9.351	0.417000
HETATM14979	O	WAT	3890	-32.667	-6.671	-6.349	-0.834000
HETATM14980	H1	WAT	3890	-32.599	-5.745	-6.580	0.417000
HETATM14981	H2	WAT	3890	-31.760	-6.960	-6.249	0.417000
HETATM14982	O	WAT	3891	4.945	32.361	4.210	-0.834000
HETATM14983	H1	WAT	3891	4.142	31.856	4.088	0.417000
HETATM14984	H2	WAT	3891	5.626	31.701	4.342	0.417000
HETATM14985	O	WAT	3892	22.095	-10.861	-18.676	-0.834000
HETATM14986	H1	WAT	3892	21.614	-10.069	-18.433	0.417000
HETATM14987	H2	WAT	3892	23.015	-10.631	-18.550	0.417000
HETATM14988	O	WAT	3893	-7.790	15.862	-0.541	-0.834000
HETATM14989	H1	WAT	3893	-7.797	15.289	-1.308	0.417000
HETATM14990	H2	WAT	3893	-8.689	16.184	-0.474	0.417000
HETATM14991	O	WAT	3894	-18.981	22.072	8.244	-0.834000
HETATM14992	H1	WAT	3894	-18.852	21.365	7.612	0.417000
HETATM14993	H2	WAT	3894	-19.347	22.791	7.729	0.417000
HETATM14994	O	WAT	3895	-0.746	14.161	-14.487	-0.834000
HETATM14995	H1	WAT	3895	-0.931	13.273	-14.183	0.417000
HETATM14996	H2	WAT	3895	-0.194	14.539	-13.803	0.417000
HETATM14997	O	WAT	3896	-17.408	-27.008	10.161	-0.834000
HETATM14998	H1	WAT	3896	-18.199	-26.500	9.985	0.417000
HETATM14999	H2	WAT	3896	-16.721	-26.351	10.272	0.417000
HETATM15000	O	WAT	3897	-16.159	-13.992	23.889	-0.834000
HETATM15001	H1	WAT	3897	-16.043	-13.500	24.702	0.417000
HETATM15002	H2	WAT	3897	-15.454	-14.639	23.899	0.417000
HETATM15003	O	WAT	3898	-7.002	10.004	-31.256	-0.834000
HETATM15004	H1	WAT	3898	-6.713	10.867	-30.958	0.417000
HETATM15005	H2	WAT	3898	-7.135	9.505	-30.450	0.417000
HETATM15006	O	WAT	3899	-1.109	13.728	-6.058	-0.834000
HETATM15007	H1	WAT	3899	-1.584	13.151	-6.656	0.417000
HETATM15008	H2	WAT	3899	-0.575	13.136	-5.528	0.417000
HETATM15009	O	WAT	3900	-17.629	1.394	-18.384	-0.834000
HETATM15010	H1	WAT	3900	-17.212	0.569	-18.135	0.417000
HETATM15011	H2	WAT	3900	-17.685	1.889	-17.567	0.417000
HETATM15012	O	WAT	3901	-19.192	-12.837	-17.976	-0.834000
HETATM15013	H1	WAT	3901	-19.725	-12.206	-18.460	0.417000
HETATM15014	H2	WAT	3901	-19.159	-13.608	-18.542	0.417000
HETATM15015	O	WAT	3902	-12.817	-19.853	-13.598	-0.834000
HETATM15016	H1	WAT	3902	-12.708	-19.631	-12.673	0.417000
HETATM15017	H2	WAT	3902	-13.163	-20.746	-13.591	0.417000
HETATM15018	O	WAT	3903	17.547	15.683	-14.720	-0.834000
HETATM15019	H1	WAT	3903	17.696	16.305	-14.007	0.417000
HETATM15020	H2	WAT	3903	17.222	16.220	-15.442	0.417000
HETATM15021	O	WAT	3904	26.181	-0.534	-9.888	-0.834000
HETATM15022	H1	WAT	3904	25.943	-0.668	-8.971	0.417000
HETATM15023	H2	WAT	3904	26.860	0.140	-9.864	0.417000
HETATM15024	O	WAT	3905	17.341	-24.278	-5.732	-0.834000
HETATM15025	H1	WAT	3905	17.293	-24.160	-6.681	0.417000
HETATM15026	H2	WAT	3905	16.430	-24.373	-5.457	0.417000
HETATM15027	O	WAT	3906	-11.044	21.156	-5.510	-0.834000
HETATM15028	H1	WAT	3906	-10.641	20.658	-4.799	0.417000
HETATM15029	H2	WAT	3906	-10.591	20.857	-6.298	0.417000
HETATM15030	O	WAT	3907	-9.605	-4.939	-24.838	-0.834000
HETATM15031	H1	WAT	3907	-9.344	-5.859	-24.860	0.417000
HETATM15032	H2	WAT	3907	-10.527	-4.957	-24.582	0.417000
HETATM15033	O	WAT	3908	-19.988	6.863	-0.741	-0.834000
HETATM15034	H1	WAT	3908	-19.089	6.839	-1.069	0.417000
HETATM15035	H2	WAT	3908	-20.380	6.049	-1.057	0.417000
HETATM15036	O	WAT	3909	-34.918	-0.563	-0.076	-0.834000
HETATM15037	H1	WAT	3909	-35.526	-0.218	0.578	0.417000
HETATM15038	H2	WAT	3909	-34.349	0.177	-0.288	0.417000
HETATM15039	O	WAT	3910	0.166	22.984	10.520	-0.834000
HETATM15040	H1	WAT	3910	-0.477	22.347	10.831	0.417000
HETATM15041	H2	WAT	3910	-0.358	23.723	10.212	0.417000
HETATM15042	O	WAT	3911	-4.063	-28.058	20.261	-0.834000
HETATM15043	H1	WAT	3911	-3.132	-27.906	20.424	0.417000
HETATM15044	H2	WAT	3911	-4.202	-28.974	20.504	0.417000
HETATM15045	O	WAT	3912	-10.816	-16.642	29.403	-0.834000
HETATM15046	H1	WAT	3912	-10.098	-16.094	29.087	0.417000
HETATM15047	H2	WAT	3912	-11.171	-17.050	28.614	0.417000

HETATM15048	O	WAT	3913	-14.033	11.961	22.804	-0.834000
HETATM15049	H1	WAT	3913	-14.157	12.411	21.969	0.417000
HETATM15050	H2	WAT	3913	-14.591	11.186	22.744	0.417000
HETATM15051	O	WAT	3914	-20.604	2.589	-25.934	-0.834000
HETATM15052	H1	WAT	3914	-21.017	2.448	-25.082	0.417000
HETATM15053	H2	WAT	3914	-19.675	2.417	-25.780	0.417000
HETATM15054	O	WAT	3915	32.771	-13.552	1.597	-0.834000
HETATM15055	H1	WAT	3915	32.807	-12.650	1.278	0.417000
HETATM15056	H2	WAT	3915	31.847	-13.698	1.800	0.417000
HETATM15057	O	WAT	3916	28.482	16.875	-7.738	-0.834000
HETATM15058	H1	WAT	3916	28.435	17.799	-7.983	0.417000
HETATM15059	H2	WAT	3916	28.165	16.407	-8.511	0.417000
HETATM15060	O	WAT	3917	17.184	-27.869	0.639	-0.834000
HETATM15061	H1	WAT	3917	17.602	-27.027	0.458	0.417000
HETATM15062	H2	WAT	3917	16.288	-27.765	0.319	0.417000
HETATM15063	O	WAT	3918	-22.920	0.399	-1.848	-0.834000
HETATM15064	H1	WAT	3918	-22.710	-0.535	-1.811	0.417000
HETATM15065	H2	WAT	3918	-22.534	0.699	-2.671	0.417000
HETATM15066	O	WAT	3919	-25.481	9.762	-7.028	-0.834000
HETATM15067	H1	WAT	3919	-25.022	10.455	-6.552	0.417000
HETATM15068	H2	WAT	3919	-26.320	10.154	-7.271	0.417000
HETATM15069	O	WAT	3920	17.282	-5.626	30.392	-0.834000
HETATM15070	H1	WAT	3920	16.510	-6.154	30.187	0.417000
HETATM15071	H2	WAT	3920	17.626	-5.362	29.539	0.417000
HETATM15072	O	WAT	3921	-8.225	15.406	-18.959	-0.834000
HETATM15073	H1	WAT	3921	-8.987	15.747	-18.491	0.417000
HETATM15074	H2	WAT	3921	-7.480	15.861	-18.566	0.417000
HETATM15075	O	WAT	3922	3.834	-29.845	17.765	-0.834000
HETATM15076	H1	WAT	3922	4.104	-29.534	16.901	0.417000
HETATM15077	H2	WAT	3922	2.923	-30.114	17.648	0.417000
HETATM15078	O	WAT	3923	-11.131	-23.652	23.015	-0.834000
HETATM15079	H1	WAT	3923	-10.584	-24.179	23.598	0.417000
HETATM15080	H2	WAT	3923	-10.520	-23.049	22.593	0.417000
HETATM15081	O	WAT	3924	-11.583	20.369	24.508	-0.834000
HETATM15082	H1	WAT	3924	-10.986	19.981	25.148	0.417000
HETATM15083	H2	WAT	3924	-11.353	19.948	23.680	0.417000
HETATM15084	O	WAT	3925	23.395	-19.119	-3.568	-0.834000
HETATM15085	H1	WAT	3925	23.533	-19.434	-4.461	0.417000
HETATM15086	H2	WAT	3925	24.005	-18.388	-3.475	0.417000
HETATM15087	O	WAT	3926	-4.465	13.023	-32.554	-0.834000
HETATM15088	H1	WAT	3926	-4.793	13.861	-32.881	0.417000
HETATM15089	H2	WAT	3926	-5.112	12.749	-31.905	0.417000
HETATM15090	O	WAT	3927	-0.848	-13.414	26.493	-0.834000
HETATM15091	H1	WAT	3927	-0.074	-13.678	25.996	0.417000
HETATM15092	H2	WAT	3927	-1.333	-14.228	26.631	0.417000
HETATM15093	O	WAT	3928	21.292	-11.021	11.299	-0.834000
HETATM15094	H1	WAT	3928	22.012	-10.486	11.634	0.417000
HETATM15095	H2	WAT	3928	20.722	-10.399	10.848	0.417000
HETATM15096	O	WAT	3929	8.646	-6.456	-24.286	-0.834000
HETATM15097	H1	WAT	3929	8.183	-5.659	-24.026	0.417000
HETATM15098	H2	WAT	3929	8.753	-6.946	-23.471	0.417000
HETATM15099	O	WAT	3930	-12.336	14.626	-0.013	-0.834000
HETATM15100	H1	WAT	3930	-12.077	13.704	-0.029	0.417000
HETATM15101	H2	WAT	3930	-12.975	14.683	0.697	0.417000
HETATM15102	O	WAT	3931	18.254	-8.511	12.473	-0.834000
HETATM15103	H1	WAT	3931	18.629	-8.004	13.193	0.417000
HETATM15104	H2	WAT	3931	17.608	-9.080	12.892	0.417000
HETATM15105	O	WAT	3932	-29.480	9.111	12.457	-0.834000
HETATM15106	H1	WAT	3932	-29.715	8.345	12.981	0.417000
HETATM15107	H2	WAT	3932	-29.726	8.873	11.563	0.417000
HETATM15108	O	WAT	3933	10.402	7.093	29.785	-0.834000
HETATM15109	H1	WAT	3933	10.181	8.007	29.964	0.417000
HETATM15110	H2	WAT	3933	10.366	7.019	28.832	0.417000
HETATM15111	O	WAT	3934	-18.592	-26.658	-13.010	-0.834000
HETATM15112	H1	WAT	3934	-17.694	-26.694	-13.339	0.417000
HETATM15113	H2	WAT	3934	-18.822	-25.729	-13.043	0.417000
HETATM15114	O	WAT	3935	24.243	-15.395	-9.091	-0.834000
HETATM15115	H1	WAT	3935	25.074	-15.240	-9.539	0.417000
HETATM15116	H2	WAT	3935	23.629	-14.791	-9.509	0.417000
HETATM15117	O	WAT	3936	7.766	9.126	22.200	-0.834000

HETATM15118	H1	WAT	3936	8.467	9.620	22.624	0.417000
HETATM15119	H2	WAT	3936	8.054	8.215	22.244	0.417000
HETATM15120	O	WAT	3937	-0.385	-23.132	9.435	-0.834000
HETATM15121	H1	WAT	3937	0.418	-23.643	9.333	0.417000
HETATM15122	H2	WAT	3937	-0.304	-22.729	10.300	0.417000
HETATM15123	O	WAT	3938	34.614	-0.461	-5.326	-0.834000
HETATM15124	H1	WAT	3938	35.316	-0.392	-4.678	0.417000
HETATM15125	H2	WAT	3938	33.810	-0.480	-4.807	0.417000
HETATM15126	O	WAT	3939	15.347	7.618	27.490	-0.834000
HETATM15127	H1	WAT	3939	16.207	8.005	27.652	0.417000
HETATM15128	H2	WAT	3939	14.726	8.294	27.760	0.417000
HETATM15129	O	WAT	3940	-10.022	-10.297	24.830	-0.834000
HETATM15130	H1	WAT	3940	-9.585	-10.701	24.080	0.417000
HETATM15131	H2	WAT	3940	-10.938	-10.563	24.746	0.417000
HETATM15132	O	WAT	3941	-13.426	-17.458	-5.027	-0.834000
HETATM15133	H1	WAT	3941	-13.570	-17.428	-4.081	0.417000
HETATM15134	H2	WAT	3941	-13.958	-18.194	-5.328	0.417000
HETATM15135	O	WAT	3942	20.716	8.807	8.279	-0.834000
HETATM15136	H1	WAT	3942	21.585	8.425	8.404	0.417000
HETATM15137	H2	WAT	3942	20.635	8.914	7.332	0.417000
HETATM15138	O	WAT	3943	-5.073	-29.027	-3.467	-0.834000
HETATM15139	H1	WAT	3943	-5.645	-29.351	-2.771	0.417000
HETATM15140	H2	WAT	3943	-4.701	-29.817	-3.859	0.417000
HETATM15141	O	WAT	3944	8.437	-5.336	33.132	-0.834000
HETATM15142	H1	WAT	3944	9.193	-5.899	32.965	0.417000
HETATM15143	H2	WAT	3944	7.796	-5.594	32.470	0.417000
HETATM15144	O	WAT	3945	-2.579	17.697	-6.853	-0.834000
HETATM15145	H1	WAT	3945	-1.941	17.226	-6.317	0.417000
HETATM15146	H2	WAT	3945	-3.043	18.260	-6.233	0.417000
HETATM15147	O	WAT	3946	6.694	21.844	-10.083	-0.834000
HETATM15148	H1	WAT	3946	6.215	22.184	-9.327	0.417000
HETATM15149	H2	WAT	3946	6.047	21.329	-10.564	0.417000
HETATM15150	O	WAT	3947	-23.318	22.698	-9.265	-0.834000
HETATM15151	H1	WAT	3947	-22.929	23.568	-9.356	0.417000
HETATM15152	H2	WAT	3947	-24.185	22.782	-9.662	0.417000
HETATM15153	O	WAT	3948	-1.740	5.496	-30.415	-0.834000
HETATM15154	H1	WAT	3948	-1.954	6.214	-29.819	0.417000
HETATM15155	H2	WAT	3948	-2.524	4.946	-30.417	0.417000
HETATM15156	O	WAT	3949	-8.865	-5.497	-10.846	-0.834000
HETATM15157	H1	WAT	3949	-8.001	-5.307	-10.481	0.417000
HETATM15158	H2	WAT	3949	-8.742	-5.447	-11.794	0.417000
HETATM15159	O	WAT	3950	0.656	29.279	13.291	-0.834000
HETATM15160	H1	WAT	3950	1.495	28.949	13.614	0.417000
HETATM15161	H2	WAT	3950	0.676	29.105	12.350	0.417000
HETATM15162	O	WAT	3951	-27.493	5.151	-2.203	-0.834000
HETATM15163	H1	WAT	3951	-28.089	4.435	-1.982	0.417000
HETATM15164	H2	WAT	3951	-27.964	5.943	-1.943	0.417000
HETATM15165	O	WAT	3952	25.695	-19.073	-10.500	-0.834000
HETATM15166	H1	WAT	3952	25.279	-19.912	-10.302	0.417000
HETATM15167	H2	WAT	3952	25.079	-18.631	-11.084	0.417000
HETATM15168	O	WAT	3953	-15.270	12.494	-7.625	-0.834000
HETATM15169	H1	WAT	3953	-15.720	13.133	-7.073	0.417000
HETATM15170	H2	WAT	3953	-15.586	12.676	-8.510	0.417000
HETATM15171	O	WAT	3954	21.266	24.596	-3.205	-0.834000
HETATM15172	H1	WAT	3954	21.866	25.208	-3.630	0.417000
HETATM15173	H2	WAT	3954	20.580	25.151	-2.833	0.417000
HETATM15174	O	WAT	3955	2.831	2.800	-26.570	-0.834000
HETATM15175	H1	WAT	3955	2.235	3.144	-25.905	0.417000
HETATM15176	H2	WAT	3955	2.413	1.993	-26.872	0.417000
HETATM15177	O	WAT	3956	3.060	13.342	-5.027	-0.834000
HETATM15178	H1	WAT	3956	3.496	14.173	-5.218	0.417000
HETATM15179	H2	WAT	3956	2.276	13.590	-4.538	0.417000
HETATM15180	O	WAT	3957	12.264	28.045	-16.312	-0.834000
HETATM15181	H1	WAT	3957	12.886	28.716	-16.595	0.417000
HETATM15182	H2	WAT	3957	12.098	27.526	-17.098	0.417000
HETATM15183	O	WAT	3958	12.107	-31.618	9.550	-0.834000
HETATM15184	H1	WAT	3958	12.371	-30.968	10.201	0.417000
HETATM15185	H2	WAT	3958	11.338	-31.234	9.128	0.417000
HETATM15186	O	WAT	3959	-19.775	22.845	-6.819	-0.834000
HETATM15187	H1	WAT	3959	-19.926	23.619	-6.277	0.417000

HETATM15188	H2	WAT	3959	-18.946	22.487	-6.501	0.417000
HETATM15189	O	WAT	3960	29.086	-7.656	0.841	-0.834000
HETATM15190	H1	WAT	3960	29.292	-6.753	1.083	0.417000
HETATM15191	H2	WAT	3960	28.549	-7.981	1.564	0.417000
HETATM15192	O	WAT	3961	-16.830	-29.127	11.923	-0.834000
HETATM15193	H1	WAT	3961	-17.008	-28.403	11.322	0.417000
HETATM15194	H2	WAT	3961	-17.189	-29.897	11.483	0.417000
HETATM15195	O	WAT	3962	16.783	-12.890	22.042	-0.834000
HETATM15196	H1	WAT	3962	17.255	-12.272	22.601	0.417000
HETATM15197	H2	WAT	3962	16.132	-13.287	22.620	0.417000
HETATM15198	O	WAT	3963	-10.580	19.727	-24.756	-0.834000
HETATM15199	H1	WAT	3963	-11.451	19.609	-24.377	0.417000
HETATM15200	H2	WAT	3963	-9.979	19.576	-24.027	0.417000
HETATM15201	O	WAT	3964	-4.974	6.148	26.952	-0.834000
HETATM15202	H1	WAT	3964	-5.280	6.217	26.048	0.417000
HETATM15203	H2	WAT	3964	-4.360	6.875	27.053	0.417000
HETATM15204	O	WAT	3965	-0.247	16.817	-28.452	-0.834000
HETATM15205	H1	WAT	3965	-0.523	17.350	-27.706	0.417000
HETATM15206	H2	WAT	3965	-0.916	16.975	-29.119	0.417000
HETATM15207	O	WAT	3966	-15.428	-14.061	-24.980	-0.834000
HETATM15208	H1	WAT	3966	-16.345	-14.332	-24.995	0.417000
HETATM15209	H2	WAT	3966	-15.282	-13.661	-25.838	0.417000
HETATM15210	O	WAT	3967	14.577	-5.676	19.766	-0.834000
HETATM15211	H1	WAT	3967	15.412	-5.218	19.670	0.417000
HETATM15212	H2	WAT	3967	14.253	-5.405	20.625	0.417000
HETATM15213	O	WAT	3968	22.474	10.312	-20.030	-0.834000
HETATM15214	H1	WAT	3968	22.613	10.524	-19.106	0.417000
HETATM15215	H2	WAT	3968	21.901	9.546	-20.016	0.417000
HETATM15216	O	WAT	3969	-7.189	20.704	6.703	-0.834000
HETATM15217	H1	WAT	3969	-6.263	20.476	6.629	0.417000
HETATM15218	H2	WAT	3969	-7.232	21.290	7.459	0.417000
HETATM15219	O	WAT	3970	-15.232	-15.216	-20.265	-0.834000
HETATM15220	H1	WAT	3970	-15.206	-15.520	-21.172	0.417000
HETATM15221	H2	WAT	3970	-15.707	-14.386	-20.304	0.417000
HETATM15222	O	WAT	3971	-0.579	8.127	-23.580	-0.834000
HETATM15223	H1	WAT	3971	0.211	8.482	-23.989	0.417000
HETATM15224	H2	WAT	3971	-1.285	8.692	-23.893	0.417000
HETATM15225	O	WAT	3972	6.100	10.863	-24.668	-0.834000
HETATM15226	H1	WAT	3972	5.914	10.157	-24.049	0.417000
HETATM15227	H2	WAT	3972	6.954	10.637	-25.037	0.417000
HETATM15228	O	WAT	3973	1.397	19.290	27.276	-0.834000
HETATM15229	H1	WAT	3973	0.508	19.400	27.614	0.417000
HETATM15230	H2	WAT	3973	1.904	19.979	27.705	0.417000
HETATM15231	O	WAT	3974	9.575	19.336	17.366	-0.834000
HETATM15232	H1	WAT	3974	8.792	18.949	16.974	0.417000
HETATM15233	H2	WAT	3974	9.585	20.237	17.041	0.417000
HETATM15234	O	WAT	3975	29.279	-5.841	13.063	-0.834000
HETATM15235	H1	WAT	3975	29.033	-6.344	13.840	0.417000
HETATM15236	H2	WAT	3975	28.511	-5.302	12.875	0.417000
HETATM15237	O	WAT	3976	-9.408	-2.994	-31.166	-0.834000
HETATM15238	H1	WAT	3976	-9.615	-3.926	-31.235	0.417000
HETATM15239	H2	WAT	3976	-9.225	-2.722	-32.066	0.417000
HETATM15240	O	WAT	3977	7.202	-8.538	31.859	-0.834000
HETATM15241	H1	WAT	3977	6.363	-8.986	31.965	0.417000
HETATM15242	H2	WAT	3977	6.966	-7.647	31.600	0.417000
HETATM15243	O	WAT	3978	-8.665	10.469	-25.416	-0.834000
HETATM15244	H1	WAT	3978	-9.046	10.093	-26.209	0.417000
HETATM15245	H2	WAT	3978	-8.950	9.884	-24.713	0.417000
HETATM15246	O	WAT	3979	-9.267	25.392	2.939	-0.834000
HETATM15247	H1	WAT	3979	-9.520	25.294	2.021	0.417000
HETATM15248	H2	WAT	3979	-9.754	26.159	3.241	0.417000
HETATM15249	O	WAT	3980	8.026	-10.375	-31.443	-0.834000
HETATM15250	H1	WAT	3980	7.774	-9.453	-31.485	0.417000
HETATM15251	H2	WAT	3980	7.227	-10.830	-31.174	0.417000
HETATM15252	O	WAT	3981	6.646	6.852	-17.520	-0.834000
HETATM15253	H1	WAT	3981	6.301	7.723	-17.322	0.417000
HETATM15254	H2	WAT	3981	7.557	7.007	-17.770	0.417000
HETATM15255	O	WAT	3982	-22.820	-10.029	15.310	-0.834000
HETATM15256	H1	WAT	3982	-22.420	-9.672	14.517	0.417000
HETATM15257	H2	WAT	3982	-23.369	-9.318	15.642	0.417000

HETATM15258	O	WAT	3983	18.412	-26.105	-10.800	-0.834000
HETATM15259	H1	WAT	3983	18.966	-26.180	-11.577	0.417000
HETATM15260	H2	WAT	3983	18.982	-25.718	-10.136	0.417000
HETATM15261	O	WAT	3984	25.993	19.739	-9.151	-0.834000
HETATM15262	H1	WAT	3984	26.913	19.822	-8.900	0.417000
HETATM15263	H2	WAT	3984	25.994	19.087	-9.852	0.417000
HETATM15264	O	WAT	3985	-23.913	-3.560	-21.809	-0.834000
HETATM15265	H1	WAT	3985	-23.032	-3.651	-22.173	0.417000
HETATM15266	H2	WAT	3985	-23.771	-3.256	-20.913	0.417000
HETATM15267	O	WAT	3986	-6.377	3.765	-33.492	-0.834000
HETATM15268	H1	WAT	3986	-6.950	3.280	-32.898	0.417000
HETATM15269	H2	WAT	3986	-6.605	3.439	-34.363	0.417000
HETATM15270	O	WAT	3987	-14.853	24.509	14.501	-0.834000
HETATM15271	H1	WAT	3987	-14.929	25.462	14.460	0.417000
HETATM15272	H2	WAT	3987	-14.029	24.354	14.963	0.417000
HETATM15273	O	WAT	3988	14.052	13.722	17.012	-0.834000
HETATM15274	H1	WAT	3988	14.680	13.987	16.340	0.417000
HETATM15275	H2	WAT	3988	13.303	14.303	16.883	0.417000
HETATM15276	O	WAT	3989	-2.378	-23.954	-6.296	-0.834000
HETATM15277	H1	WAT	3989	-3.326	-24.089	-6.275	0.417000
HETATM15278	H2	WAT	3989	-2.268	-23.084	-6.680	0.417000
HETATM15279	O	WAT	3990	-22.024	-9.381	-7.474	-0.834000
HETATM15280	H1	WAT	3990	-21.441	-8.724	-7.093	0.417000
HETATM15281	H2	WAT	3990	-21.483	-10.167	-7.548	0.417000
HETATM15282	O	WAT	3991	20.164	9.285	-10.508	-0.834000
HETATM15283	H1	WAT	3991	21.030	9.679	-10.611	0.417000
HETATM15284	H2	WAT	3991	19.804	9.698	-9.723	0.417000
HETATM15285	O	WAT	3992	-12.294	27.682	-15.270	-0.834000
HETATM15286	H1	WAT	3992	-12.025	26.926	-15.793	0.417000
HETATM15287	H2	WAT	3992	-12.793	28.228	-15.877	0.417000
HETATM15288	O	WAT	3993	8.129	28.234	4.323	-0.834000
HETATM15289	H1	WAT	3993	9.026	28.374	4.627	0.417000
HETATM15290	H2	WAT	3993	8.229	27.843	3.455	0.417000
HETATM15291	O	WAT	3994	15.672	-12.949	-28.460	-0.834000
HETATM15292	H1	WAT	3994	16.106	-13.725	-28.815	0.417000
HETATM15293	H2	WAT	3994	15.047	-12.693	-29.139	0.417000
HETATM15294	O	WAT	3995	-17.824	2.918	-15.992	-0.834000
HETATM15295	H1	WAT	3995	-17.511	3.375	-15.211	0.417000
HETATM15296	H2	WAT	3995	-18.756	2.775	-15.828	0.417000
HETATM15297	O	WAT	3996	24.708	-10.067	-18.075	-0.834000
HETATM15298	H1	WAT	3996	25.115	-9.202	-18.120	0.417000
HETATM15299	H2	WAT	3996	25.399	-10.670	-18.350	0.417000
HETATM15300	O	WAT	3997	-25.565	8.370	1.366	-0.834000
HETATM15301	H1	WAT	3997	-25.142	8.136	0.539	0.417000
HETATM15302	H2	WAT	3997	-26.423	7.950	1.323	0.417000
HETATM15303	O	WAT	3998	-24.024	-17.283	-6.860	-0.834000
HETATM15304	H1	WAT	3998	-24.233	-16.862	-6.026	0.417000
HETATM15305	H2	WAT	3998	-23.696	-18.148	-6.615	0.417000
HETATM15306	O	WAT	3999	-18.292	-27.369	-4.995	-0.834000
HETATM15307	H1	WAT	3999	-18.902	-26.652	-5.165	0.417000
HETATM15308	H2	WAT	3999	-18.300	-27.470	-4.043	0.417000
HETATM15309	O	WAT	4000	-20.385	-8.188	-2.080	-0.834000
HETATM15310	H1	WAT	4000	-20.852	-8.268	-1.248	0.417000
HETATM15311	H2	WAT	4000	-19.933	-7.347	-2.021	0.417000
HETATM15312	O	WAT	4001	-12.665	-14.150	-19.914	-0.834000
HETATM15313	H1	WAT	4001	-12.404	-14.220	-18.996	0.417000
HETATM15314	H2	WAT	4001	-13.475	-14.656	-19.971	0.417000
HETATM15315	O	WAT	4002	31.945	-4.655	9.047	-0.834000
HETATM15316	H1	WAT	4002	32.441	-3.837	8.999	0.417000
HETATM15317	H2	WAT	4002	32.474	-5.222	9.607	0.417000
HETATM15318	O	WAT	4003	-20.194	23.783	6.443	-0.834000
HETATM15319	H1	WAT	4003	-20.600	24.636	6.291	0.417000
HETATM15320	H2	WAT	4003	-19.803	23.551	5.601	0.417000
HETATM15321	O	WAT	4004	-16.064	-7.858	-14.879	-0.834000
HETATM15322	H1	WAT	4004	-15.639	-8.167	-15.679	0.417000
HETATM15323	H2	WAT	4004	-16.558	-7.085	-15.153	0.417000
HETATM15324	O	WAT	4005	-28.046	-12.407	7.629	-0.834000
HETATM15325	H1	WAT	4005	-27.598	-13.198	7.929	0.417000
HETATM15326	H2	WAT	4005	-28.817	-12.731	7.163	0.417000
HETATM15327	O	WAT	4006	0.057	-25.835	18.927	-0.834000

HETATM15328	H1	WAT	4006	-0.619	-25.174	18.777	0.417000
HETATM15329	H2	WAT	4006	0.515	-25.904	18.090	0.417000
HETATM15330	O	WAT	4007	27.980	-0.158	-5.374	-0.834000
HETATM15331	H1	WAT	4007	27.483	0.218	-4.648	0.417000
HETATM15332	H2	WAT	4007	27.328	-0.309	-6.059	0.417000
HETATM15333	O	WAT	4008	4.511	15.131	19.713	-0.834000
HETATM15334	H1	WAT	4008	4.127	15.857	19.221	0.417000
HETATM15335	H2	WAT	4008	4.622	14.435	19.066	0.417000
HETATM15336	O	WAT	4009	7.530	-5.649	-29.908	-0.834000
HETATM15337	H1	WAT	4009	6.649	-5.278	-29.874	0.417000
HETATM15338	H2	WAT	4009	8.088	-4.917	-30.172	0.417000
HETATM15339	O	WAT	4010	-30.480	6.858	13.703	-0.834000
HETATM15340	H1	WAT	4010	-30.819	6.199	13.096	0.417000
HETATM15341	H2	WAT	4010	-31.099	6.851	14.433	0.417000
HETATM15342	O	WAT	4011	1.610	-10.036	26.685	-0.834000
HETATM15343	H1	WAT	4011	2.423	-9.667	27.031	0.417000
HETATM15344	H2	WAT	4011	1.764	-10.112	25.743	0.417000
HETATM15345	O	WAT	4012	23.644	4.346	-17.982	-0.834000
HETATM15346	H1	WAT	4012	24.172	5.079	-17.667	0.417000
HETATM15347	H2	WAT	4012	23.514	3.795	-17.210	0.417000
HETATM15348	O	WAT	4013	9.306	-26.482	19.073	-0.834000
HETATM15349	H1	WAT	4013	9.879	-26.983	18.493	0.417000
HETATM15350	H2	WAT	4013	8.938	-25.798	18.514	0.417000
HETATM15351	O	WAT	4014	3.683	-7.531	20.812	-0.834000
HETATM15352	H1	WAT	4014	4.616	-7.681	20.662	0.417000
HETATM15353	H2	WAT	4014	3.604	-7.448	21.763	0.417000
HETATM15354	O	WAT	4015	7.833	-18.569	-20.290	-0.834000
HETATM15355	H1	WAT	4015	8.663	-18.232	-19.953	0.417000
HETATM15356	H2	WAT	4015	7.561	-19.224	-19.648	0.417000
HETATM15357	O	WAT	4016	-3.457	-18.677	-16.301	-0.834000
HETATM15358	H1	WAT	4016	-4.191	-19.177	-15.942	0.417000
HETATM15359	H2	WAT	4016	-2.935	-19.324	-16.775	0.417000
HETATM15360	O	WAT	4017	-5.969	-5.436	29.008	-0.834000
HETATM15361	H1	WAT	4017	-5.951	-4.885	29.791	0.417000
HETATM15362	H2	WAT	4017	-5.049	-5.641	28.838	0.417000
HETATM15363	O	WAT	4018	7.445	-12.391	-22.320	-0.834000
HETATM15364	H1	WAT	4018	6.558	-12.071	-22.157	0.417000
HETATM15365	H2	WAT	4018	7.874	-11.676	-22.792	0.417000
HETATM15366	O	WAT	4019	23.575	-18.135	-11.993	-0.834000
HETATM15367	H1	WAT	4019	23.191	-17.870	-11.158	0.417000
HETATM15368	H2	WAT	4019	22.867	-18.588	-12.450	0.417000
HETATM15369	O	WAT	4020	-27.316	11.429	1.293	-0.834000
HETATM15370	H1	WAT	4020	-27.632	11.321	0.396	0.417000
HETATM15371	H2	WAT	4020	-26.366	11.337	1.225	0.417000
HETATM15372	O	WAT	4021	-4.911	8.830	-20.749	-0.834000
HETATM15373	H1	WAT	4021	-5.659	8.257	-20.577	0.417000
HETATM15374	H2	WAT	4021	-4.774	9.298	-19.926	0.417000
HETATM15375	O	WAT	4022	-11.141	11.961	-9.233	-0.834000
HETATM15376	H1	WAT	4022	-10.619	11.464	-9.863	0.417000
HETATM15377	H2	WAT	4022	-11.860	12.322	-9.751	0.417000
HETATM15378	O	WAT	4023	6.381	20.196	17.425	-0.834000
HETATM15379	H1	WAT	4023	6.610	20.805	16.723	0.417000
HETATM15380	H2	WAT	4023	6.550	19.330	17.056	0.417000
HETATM15381	O	WAT	4024	8.203	0.629	-29.565	-0.834000
HETATM15382	H1	WAT	4024	8.653	-0.210	-29.470	0.417000
HETATM15383	H2	WAT	4024	8.836	1.277	-29.257	0.417000
HETATM15384	O	WAT	4025	-17.249	17.919	22.743	-0.834000
HETATM15385	H1	WAT	4025	-17.192	16.984	22.547	0.417000
HETATM15386	H2	WAT	4025	-17.675	18.299	21.974	0.417000
HETATM15387	O	WAT	4026	-13.744	22.563	9.866	-0.834000
HETATM15388	H1	WAT	4026	-12.852	22.855	10.056	0.417000
HETATM15389	H2	WAT	4026	-14.235	22.754	10.665	0.417000
HETATM15390	O	WAT	4027	-32.875	9.939	0.737	-0.834000
HETATM15391	H1	WAT	4027	-32.163	9.632	1.299	0.417000
HETATM15392	H2	WAT	4027	-32.488	10.651	0.227	0.417000
HETATM15393	O	WAT	4028	-4.967	-25.578	14.670	-0.834000
HETATM15394	H1	WAT	4028	-4.637	-24.889	14.093	0.417000
HETATM15395	H2	WAT	4028	-5.241	-26.277	14.076	0.417000
HETATM15396	O	WAT	4029	21.004	4.669	-15.637	-0.834000
HETATM15397	H1	WAT	4029	21.734	4.079	-15.826	0.417000

HETATM15398	H2	WAT	4029	20.253	4.268	-16.074	0.417000
HETATM15399	O	WAT	4030	3.827	-11.573	11.231	-0.834000
HETATM15400	H1	WAT	4030	3.246	-10.815	11.171	0.417000
HETATM15401	H2	WAT	4030	4.319	-11.562	10.409	0.417000
HETATM15402	O	WAT	4031	8.929	17.204	-7.301	-0.834000
HETATM15403	H1	WAT	4031	9.376	17.955	-7.692	0.417000
HETATM15404	H2	WAT	4031	9.187	17.225	-6.379	0.417000
HETATM15405	O	WAT	4032	8.386	-5.714	26.101	-0.834000
HETATM15406	H1	WAT	4032	8.014	-5.379	25.285	0.417000
HETATM15407	H2	WAT	4032	9.333	-5.664	25.970	0.417000
HETATM15408	O	WAT	4033	6.080	-9.112	12.210	-0.834000
HETATM15409	H1	WAT	4033	5.628	-9.465	11.444	0.417000
HETATM15410	H2	WAT	4033	6.511	-8.319	11.891	0.417000
HETATM15411	O	WAT	4034	-32.707	-9.382	-4.711	-0.834000
HETATM15412	H1	WAT	4034	-32.345	-9.397	-5.596	0.417000
HETATM15413	H2	WAT	4034	-33.309	-8.637	-4.711	0.417000
HETATM15414	O	WAT	4035	-6.264	-14.059	11.721	-0.834000
HETATM15415	H1	WAT	4035	-6.856	-14.810	11.681	0.417000
HETATM15416	H2	WAT	4035	-5.389	-14.440	11.650	0.417000
HETATM15417	O	WAT	4036	16.278	-1.362	14.675	-0.834000
HETATM15418	H1	WAT	4036	17.156	-1.692	14.483	0.417000
HETATM15419	H2	WAT	4036	16.101	-1.660	15.567	0.417000
HETATM15420	O	WAT	4037	26.545	-8.502	-7.700	-0.834000
HETATM15421	H1	WAT	4037	27.446	-8.184	-7.646	0.417000
HETATM15422	H2	WAT	4037	26.630	-9.417	-7.967	0.417000
HETATM15423	O	WAT	4038	-4.169	25.938	6.130	-0.834000
HETATM15424	H1	WAT	4038	-5.062	25.662	6.339	0.417000
HETATM15425	H2	WAT	4038	-3.971	26.617	6.775	0.417000
HETATM15426	O	WAT	4039	3.631	16.873	-11.332	-0.834000
HETATM15427	H1	WAT	4039	3.362	16.799	-12.247	0.417000
HETATM15428	H2	WAT	4039	3.275	17.713	-11.044	0.417000
HETATM15429	O	WAT	4040	-21.920	21.416	-5.587	-0.834000
HETATM15430	H1	WAT	4040	-21.112	21.769	-5.960	0.417000
HETATM15431	H2	WAT	4040	-21.647	21.008	-4.765	0.417000
HETATM15432	O	WAT	4041	20.523	9.670	-14.673	-0.834000
HETATM15433	H1	WAT	4041	20.294	10.186	-15.446	0.417000
HETATM15434	H2	WAT	4041	20.725	8.800	-15.017	0.417000
HETATM15435	O	WAT	4042	0.131	-19.066	-21.199	-0.834000
HETATM15436	H1	WAT	4042	0.993	-19.352	-21.501	0.417000
HETATM15437	H2	WAT	4042	-0.431	-19.143	-21.970	0.417000
HETATM15438	O	WAT	4043	15.217	-19.424	7.426	-0.834000
HETATM15439	H1	WAT	4043	15.119	-18.608	7.917	0.417000
HETATM15440	H2	WAT	4043	16.162	-19.578	7.406	0.417000
HETATM15441	O	WAT	4044	-29.120	-2.783	-1.632	-0.834000
HETATM15442	H1	WAT	4044	-28.938	-3.468	-2.275	0.417000
HETATM15443	H2	WAT	4044	-29.004	-1.965	-2.115	0.417000
HETATM15444	O	WAT	4045	2.288	-28.901	6.962	-0.834000
HETATM15445	H1	WAT	4045	1.522	-28.328	6.998	0.417000
HETATM15446	H2	WAT	4045	2.008	-29.703	7.402	0.417000
HETATM15447	O	WAT	4046	-25.829	5.666	16.435	-0.834000
HETATM15448	H1	WAT	4046	-26.671	5.802	15.999	0.417000
HETATM15449	H2	WAT	4046	-25.340	6.472	16.266	0.417000
HETATM15450	O	WAT	4047	-13.398	-29.875	-8.417	-0.834000
HETATM15451	H1	WAT	4047	-13.838	-29.026	-8.389	0.417000
HETATM15452	H2	WAT	4047	-13.042	-29.990	-7.536	0.417000
HETATM15453	O	WAT	4048	-5.431	3.643	-15.282	-0.834000
HETATM15454	H1	WAT	4048	-5.623	4.520	-14.949	0.417000
HETATM15455	H2	WAT	4048	-5.490	3.730	-16.233	0.417000
HETATM15456	O	WAT	4049	-6.957	12.318	24.076	-0.834000
HETATM15457	H1	WAT	4049	-6.785	12.428	23.141	0.417000
HETATM15458	H2	WAT	4049	-7.427	11.487	24.138	0.417000
HETATM15459	O	WAT	4050	11.280	-8.735	22.314	-0.834000
HETATM15460	H1	WAT	4050	11.049	-9.187	21.502	0.417000
HETATM15461	H2	WAT	4050	12.110	-9.130	22.581	0.417000
HETATM15462	O	WAT	4051	10.168	-11.866	24.800	-0.834000
HETATM15463	H1	WAT	4051	9.882	-10.956	24.715	0.417000
HETATM15464	H2	WAT	4051	9.733	-12.181	25.592	0.417000
HETATM15465	O	WAT	4052	-24.445	-22.631	11.188	-0.834000
HETATM15466	H1	WAT	4052	-23.526	-22.531	11.436	0.417000
HETATM15467	H2	WAT	4052	-24.894	-21.919	11.644	0.417000

HETATM15468	O	WAT	4053	24.717	-12.458	-7.786	-0.834000
HETATM15469	H1	WAT	4053	24.142	-12.139	-8.481	0.417000
HETATM15470	H2	WAT	4053	24.279	-12.201	-6.974	0.417000
HETATM15471	O	WAT	4054	-24.219	-7.750	15.781	-0.834000
HETATM15472	H1	WAT	4054	-24.918	-7.429	16.351	0.417000
HETATM15473	H2	WAT	4054	-24.551	-7.611	14.894	0.417000
HETATM15474	O	WAT	4055	-4.880	31.004	8.955	-0.834000
HETATM15475	H1	WAT	4055	-4.215	31.298	8.332	0.417000
HETATM15476	H2	WAT	4055	-5.555	31.681	8.922	0.417000
HETATM15477	O	WAT	4056	-14.983	-19.543	12.222	-0.834000
HETATM15478	H1	WAT	4056	-14.552	-20.247	12.707	0.417000
HETATM15479	H2	WAT	4056	-14.294	-18.896	12.076	0.417000
HETATM15480	O	WAT	4057	1.481	-1.919	-25.568	-0.834000
HETATM15481	H1	WAT	4057	2.087	-2.598	-25.866	0.417000
HETATM15482	H2	WAT	4057	0.679	-2.394	-25.348	0.417000
HETATM15483	O	WAT	4058	-19.823	-12.677	25.642	-0.834000
HETATM15484	H1	WAT	4058	-19.477	-13.345	25.051	0.417000
HETATM15485	H2	WAT	4058	-20.772	-12.719	25.523	0.417000
HETATM15486	O	WAT	4059	-2.787	34.202	-4.213	-0.834000
HETATM15487	H1	WAT	4059	-3.410	34.366	-3.505	0.417000
HETATM15488	H2	WAT	4059	-1.982	33.940	-3.766	0.417000
HETATM15489	O	WAT	4060	18.038	21.702	3.823	-0.834000
HETATM15490	H1	WAT	4060	17.779	20.782	3.859	0.417000
HETATM15491	H2	WAT	4060	17.435	22.145	4.420	0.417000
HETATM15492	O	WAT	4061	-22.213	10.314	9.966	-0.834000
HETATM15493	H1	WAT	4061	-21.847	11.115	9.593	0.417000
HETATM15494	H2	WAT	4061	-22.772	9.961	9.274	0.417000
HETATM15495	O	WAT	4062	-10.781	5.796	25.153	-0.834000
HETATM15496	H1	WAT	4062	-10.386	4.942	25.332	0.417000
HETATM15497	H2	WAT	4062	-11.625	5.590	24.751	0.417000
HETATM15498	O	WAT	4063	-0.930	-5.179	-33.891	-0.834000
HETATM15499	H1	WAT	4063	-0.416	-5.766	-34.445	0.417000
HETATM15500	H2	WAT	4063	-1.070	-4.401	-34.430	0.417000
HETATM15501	O	WAT	4064	30.271	5.702	-5.554	-0.834000
HETATM15502	H1	WAT	4064	30.189	5.557	-4.612	0.417000
HETATM15503	H2	WAT	4064	29.424	6.063	-5.816	0.417000
HETATM15504	O	WAT	4065	-12.311	23.876	-7.620	-0.834000
HETATM15505	H1	WAT	4065	-12.178	23.042	-8.071	0.417000
HETATM15506	H2	WAT	4065	-13.136	23.764	-7.148	0.417000
HETATM15507	O	WAT	4066	0.068	22.956	2.323	-0.834000
HETATM15508	H1	WAT	4066	-0.789	23.120	2.716	0.417000
HETATM15509	H2	WAT	4066	0.636	22.749	3.065	0.417000
HETATM15510	O	WAT	4067	13.073	20.245	15.935	-0.834000
HETATM15511	H1	WAT	4067	12.740	20.866	16.583	0.417000
HETATM15512	H2	WAT	4067	13.148	20.757	15.130	0.417000
HETATM15513	O	WAT	4068	23.384	5.725	24.239	-0.834000
HETATM15514	H1	WAT	4068	23.063	5.440	25.094	0.417000
HETATM15515	H2	WAT	4068	22.752	6.385	23.953	0.417000
HETATM15516	O	WAT	4069	27.667	-8.662	2.837	-0.834000
HETATM15517	H1	WAT	4069	26.714	-8.752	2.851	0.417000
HETATM15518	H2	WAT	4069	27.977	-9.303	3.477	0.417000
HETATM15519	O	WAT	4070	5.517	-3.707	-30.267	-0.834000
HETATM15520	H1	WAT	4070	6.155	-2.995	-30.215	0.417000
HETATM15521	H2	WAT	4070	4.727	-3.350	-29.861	0.417000
HETATM15522	O	WAT	4071	-29.212	-6.905	-8.578	-0.834000
HETATM15523	H1	WAT	4071	-29.875	-6.541	-9.165	0.417000
HETATM15524	H2	WAT	4071	-28.994	-7.755	-8.961	0.417000
HETATM15525	O	WAT	4072	24.999	-14.966	2.230	-0.834000
HETATM15526	H1	WAT	4072	25.331	-14.847	3.120	0.417000
HETATM15527	H2	WAT	4072	25.716	-15.393	1.762	0.417000
HETATM15528	O	WAT	4073	-9.365	-11.764	-28.745	-0.834000
HETATM15529	H1	WAT	4073	-9.414	-11.053	-28.107	0.417000
HETATM15530	H2	WAT	4073	-8.589	-12.262	-28.490	0.417000
HETATM15531	O	WAT	4074	19.455	-4.196	-20.013	-0.834000
HETATM15532	H1	WAT	4074	19.496	-4.428	-20.941	0.417000
HETATM15533	H2	WAT	4074	19.832	-3.317	-19.969	0.417000
HETATM15534	O	WAT	4075	6.730	30.444	4.923	-0.834000
HETATM15535	H1	WAT	4075	7.192	29.646	4.669	0.417000
HETATM15536	H2	WAT	4075	7.376	30.948	5.418	0.417000
HETATM15537	O	WAT	4076	15.941	0.042	-15.702	-0.834000

HETATM15538	H1	WAT	4076	15.352	0.601	-15.195	0.417000
HETATM15539	H2	WAT	4076	16.783	0.497	-15.676	0.417000
HETATM15540	O	WAT	4077	-4.788	17.252	5.335	-0.834000
HETATM15541	H1	WAT	4077	-3.905	16.903	5.456	0.417000
HETATM15542	H2	WAT	4077	-4.765	18.113	5.752	0.417000
HETATM15543	O	WAT	4078	-3.740	17.808	-26.576	-0.834000
HETATM15544	H1	WAT	4078	-2.787	17.892	-26.557	0.417000
HETATM15545	H2	WAT	4078	-4.044	18.624	-26.975	0.417000
HETATM15546	O	WAT	4079	19.073	29.106	3.774	-0.834000
HETATM15547	H1	WAT	4079	19.570	28.777	3.025	0.417000
HETATM15548	H2	WAT	4079	18.170	28.841	3.597	0.417000
HETATM15549	O	WAT	4080	17.597	8.137	2.313	-0.834000
HETATM15550	H1	WAT	4080	17.476	9.059	2.087	0.417000
HETATM15551	H2	WAT	4080	16.734	7.743	2.182	0.417000
HETATM15552	O	WAT	4081	17.532	-22.321	1.868	-0.834000
HETATM15553	H1	WAT	4081	17.368	-21.600	2.476	0.417000
HETATM15554	H2	WAT	4081	18.311	-22.052	1.382	0.417000
HETATM15555	O	WAT	4082	26.550	18.286	7.836	-0.834000
HETATM15556	H1	WAT	4082	27.391	17.829	7.847	0.417000
HETATM15557	H2	WAT	4082	26.013	17.813	8.472	0.417000
HETATM15558	O	WAT	4083	11.812	26.522	-18.502	-0.834000
HETATM15559	H1	WAT	4083	11.387	26.487	-19.359	0.417000
HETATM15560	H2	WAT	4083	12.516	25.876	-18.557	0.417000
HETATM15561	O	WAT	4084	-7.259	5.268	-18.288	-0.834000
HETATM15562	H1	WAT	4084	-6.683	4.524	-18.467	0.417000
HETATM15563	H2	WAT	4084	-7.963	4.903	-17.753	0.417000
HETATM15564	O	WAT	4085	-6.461	-19.560	-19.584	-0.834000
HETATM15565	H1	WAT	4085	-7.052	-19.779	-20.305	0.417000
HETATM15566	H2	WAT	4085	-6.694	-20.175	-18.889	0.417000
HETATM15567	O	WAT	4086	-16.356	-20.107	9.887	-0.834000
HETATM15568	H1	WAT	4086	-15.851	-19.843	10.656	0.417000
HETATM15569	H2	WAT	4086	-17.269	-20.026	10.161	0.417000
HETATM15570	O	WAT	4087	-13.778	4.088	-28.018	-0.834000
HETATM15571	H1	WAT	4087	-13.796	4.529	-27.169	0.417000
HETATM15572	H2	WAT	4087	-13.686	3.159	-27.804	0.417000
HETATM15573	O	WAT	4088	-11.565	-16.141	-8.642	-0.834000
HETATM15574	H1	WAT	4088	-12.447	-16.207	-9.009	0.417000
HETATM15575	H2	WAT	4088	-11.446	-15.206	-8.473	0.417000
HETATM15576	O	WAT	4089	13.820	-16.949	-27.300	-0.834000
HETATM15577	H1	WAT	4089	13.313	-16.172	-27.534	0.417000
HETATM15578	H2	WAT	4089	13.171	-17.649	-27.238	0.417000
HETATM15579	O	WAT	4090	23.870	5.473	13.318	-0.834000
HETATM15580	H1	WAT	4090	24.215	4.646	12.981	0.417000
HETATM15581	H2	WAT	4090	23.249	5.215	13.999	0.417000
HETATM15582	O	WAT	4091	-2.588	-27.115	-7.872	-0.834000
HETATM15583	H1	WAT	4091	-3.503	-27.395	-7.872	0.417000
HETATM15584	H2	WAT	4091	-2.394	-26.930	-6.953	0.417000
HETATM15585	O	WAT	4092	19.074	-28.944	-1.051	-0.834000
HETATM15586	H1	WAT	4092	18.770	-28.553	-1.870	0.417000
HETATM15587	H2	WAT	4092	18.430	-28.666	-0.400	0.417000
HETATM15588	O	WAT	4093	-21.572	-23.658	-10.293	-0.834000
HETATM15589	H1	WAT	4093	-22.364	-23.190	-10.029	0.417000
HETATM15590	H2	WAT	4093	-21.334	-23.270	-11.135	0.417000
HETATM15591	O	WAT	4094	3.651	-22.743	11.183	-0.834000
HETATM15592	H1	WAT	4094	4.569	-22.590	11.408	0.417000
HETATM15593	H2	WAT	4094	3.171	-22.067	11.661	0.417000
HETATM15594	O	WAT	4095	-1.909	28.056	-6.547	-0.834000
HETATM15595	H1	WAT	4095	-2.158	27.203	-6.190	0.417000
HETATM15596	H2	WAT	4095	-2.559	28.229	-7.229	0.417000
HETATM15597	O	WAT	4096	4.828	27.106	-5.654	-0.834000
HETATM15598	H1	WAT	4096	3.944	26.806	-5.865	0.417000
HETATM15599	H2	WAT	4096	5.127	27.547	-6.449	0.417000
HETATM15600	O	WAT	4097	-6.706	-34.174	-0.790	-0.834000
HETATM15601	H1	WAT	4097	-6.465	-33.314	-0.445	0.417000
HETATM15602	H2	WAT	4097	-7.109	-34.625	-0.048	0.417000
HETATM15603	O	WAT	4098	-1.817	13.042	-31.731	-0.834000
HETATM15604	H1	WAT	4098	-1.367	12.316	-32.163	0.417000
HETATM15605	H2	WAT	4098	-2.718	12.989	-32.050	0.417000
HETATM15606	O	WAT	4099	-24.747	7.050	-12.468	-0.834000
HETATM15607	H1	WAT	4099	-25.367	7.015	-11.740	0.417000

HETATM15608	H2	WAT	4099	-24.701	7.978	-12.698	0.417000
HETATM15609	O	WAT	4100	13.752	19.472	9.558	-0.834000
HETATM15610	H1	WAT	4100	13.535	18.821	8.890	0.417000
HETATM15611	H2	WAT	4100	13.087	19.349	10.236	0.417000
HETATM15612	O	WAT	4101	-23.741	-18.335	0.605	-0.834000
HETATM15613	H1	WAT	4101	-22.982	-18.076	1.128	0.417000
HETATM15614	H2	WAT	4101	-23.578	-19.252	0.384	0.417000
HETATM15615	O	WAT	4102	17.060	-24.927	15.690	-0.834000
HETATM15616	H1	WAT	4102	17.584	-25.683	15.424	0.417000
HETATM15617	H2	WAT	4102	16.695	-25.176	16.539	0.417000
HETATM15618	O	WAT	4103	2.323	17.821	-19.618	-0.834000
HETATM15619	H1	WAT	4103	1.969	18.561	-20.112	0.417000
HETATM15620	H2	WAT	4103	1.801	17.798	-18.816	0.417000
HETATM15621	O	WAT	4104	-19.501	5.436	-22.980	-0.834000
HETATM15622	H1	WAT	4104	-20.157	4.868	-22.576	0.417000
HETATM15623	H2	WAT	4104	-19.421	6.176	-22.379	0.417000
HETATM15624	O	WAT	4105	-23.112	-12.612	2.108	-0.834000
HETATM15625	H1	WAT	4105	-23.838	-12.151	2.528	0.417000
HETATM15626	H2	WAT	4105	-22.462	-11.930	1.939	0.417000
HETATM15627	O	WAT	4106	16.802	6.116	-11.486	-0.834000
HETATM15628	H1	WAT	4106	16.903	5.195	-11.723	0.417000
HETATM15629	H2	WAT	4106	17.633	6.349	-11.070	0.417000
HETATM15630	O	WAT	4107	6.773	-11.586	22.232	-0.834000
HETATM15631	H1	WAT	4107	6.639	-11.768	21.302	0.417000
HETATM15632	H2	WAT	4107	7.501	-12.152	22.485	0.417000
HETATM15633	O	WAT	4108	13.323	0.111	33.074	-0.834000
HETATM15634	H1	WAT	4108	12.715	-0.594	33.297	0.417000
HETATM15635	H2	WAT	4108	13.071	0.373	32.189	0.417000
HETATM15636	O	WAT	4109	-0.281	-19.872	16.419	-0.834000
HETATM15637	H1	WAT	4109	-0.762	-19.104	16.113	0.417000
HETATM15638	H2	WAT	4109	-0.931	-20.574	16.427	0.417000
HETATM15639	O	WAT	4110	-2.520	6.604	-17.613	-0.834000
HETATM15640	H1	WAT	4110	-3.414	6.465	-17.299	0.417000
HETATM15641	H2	WAT	4110	-2.615	6.729	-18.558	0.417000
HETATM15642	O	WAT	4111	14.603	7.930	20.730	-0.834000
HETATM15643	H1	WAT	4111	14.579	6.973	20.757	0.417000
HETATM15644	H2	WAT	4111	14.885	8.186	21.608	0.417000
HETATM15645	O	WAT	4112	-15.162	-4.414	-8.582	-0.834000
HETATM15646	H1	WAT	4112	-14.970	-5.352	-8.596	0.417000
HETATM15647	H2	WAT	4112	-14.933	-4.137	-7.694	0.417000
HETATM15648	O	WAT	4113	22.733	-3.037	-17.349	-0.834000
HETATM15649	H1	WAT	4113	22.582	-2.124	-17.595	0.417000
HETATM15650	H2	WAT	4113	23.633	-3.213	-17.622	0.417000
HETATM15651	O	WAT	4114	-23.957	6.775	9.738	-0.834000
HETATM15652	H1	WAT	4114	-24.769	7.204	10.007	0.417000
HETATM15653	H2	WAT	4114	-23.651	6.325	10.525	0.417000
HETATM15654	O	WAT	4115	-11.533	-20.769	15.547	-0.834000
HETATM15655	H1	WAT	4115	-11.777	-21.130	16.399	0.417000
HETATM15656	H2	WAT	4115	-10.592	-20.926	15.480	0.417000
HETATM15657	O	WAT	4116	-11.238	9.556	23.163	-0.834000
HETATM15658	H1	WAT	4116	-11.492	9.858	22.291	0.417000
HETATM15659	H2	WAT	4116	-10.756	8.744	23.004	0.417000
HETATM15660	O	WAT	4117	-1.057	-25.908	-20.328	-0.834000
HETATM15661	H1	WAT	4117	-0.978	-25.020	-19.978	0.417000
HETATM15662	H2	WAT	4117	-1.824	-26.273	-19.886	0.417000
HETATM15663	O	WAT	4118	-3.730	29.081	-16.204	-0.834000
HETATM15664	H1	WAT	4118	-2.784	29.216	-16.257	0.417000
HETATM15665	H2	WAT	4118	-4.106	29.929	-16.441	0.417000
HETATM15666	O	WAT	4119	-0.688	-9.249	18.425	-0.834000
HETATM15667	H1	WAT	4119	0.225	-9.104	18.671	0.417000
HETATM15668	H2	WAT	4119	-0.660	-9.408	17.481	0.417000
HETATM15669	O	WAT	4120	-21.252	18.634	20.274	-0.834000
HETATM15670	H1	WAT	4120	-21.771	19.436	20.326	0.417000
HETATM15671	H2	WAT	4120	-21.758	18.058	19.702	0.417000
HETATM15672	O	WAT	4121	-31.664	14.115	2.892	-0.834000
HETATM15673	H1	WAT	4121	-31.250	13.274	3.083	0.417000
HETATM15674	H2	WAT	4121	-31.282	14.385	2.056	0.417000
HETATM15675	O	WAT	4122	34.427	6.729	-4.626	-0.834000
HETATM15676	H1	WAT	4122	33.964	7.164	-3.911	0.417000
HETATM15677	H2	WAT	4122	33.772	6.643	-5.319	0.417000

HETATM15678	O	WAT	4123	12.727	30.045	6.501	-0.834000
HETATM15679	H1	WAT	4123	13.677	29.945	6.565	0.417000
HETATM15680	H2	WAT	4123	12.470	30.430	7.339	0.417000
HETATM15681	O	WAT	4124	-4.856	9.381	32.867	-0.834000
HETATM15682	H1	WAT	4124	-4.577	9.934	33.596	0.417000
HETATM15683	H2	WAT	4124	-4.336	8.583	32.960	0.417000
HETATM15684	O	WAT	4125	24.492	-20.425	0.157	-0.834000
HETATM15685	H1	WAT	4125	25.383	-20.397	-0.191	0.417000
HETATM15686	H2	WAT	4125	23.979	-20.846	-0.533	0.417000
HETATM15687	O	WAT	4126	-5.963	6.417	29.518	-0.834000
HETATM15688	H1	WAT	4126	-5.762	7.334	29.705	0.417000
HETATM15689	H2	WAT	4126	-5.735	6.306	28.595	0.417000
HETATM15690	O	WAT	4127	7.654	15.258	16.286	-0.834000
HETATM15691	H1	WAT	4127	8.395	14.847	15.840	0.417000
HETATM15692	H2	WAT	4127	7.842	15.147	17.217	0.417000
HETATM15693	O	WAT	4128	-1.826	-8.880	-29.043	-0.834000
HETATM15694	H1	WAT	4128	-2.466	-8.704	-29.733	0.417000
HETATM15695	H2	WAT	4128	-2.294	-8.693	-28.229	0.417000
HETATM15696	O	WAT	4129	21.007	-17.939	8.653	-0.834000
HETATM15697	H1	WAT	4129	21.187	-18.520	7.914	0.417000
HETATM15698	H2	WAT	4129	21.719	-18.107	9.269	0.417000
HETATM15699	O	WAT	4130	30.722	11.895	-6.349	-0.834000
HETATM15700	H1	WAT	4130	31.317	11.635	-7.052	0.417000
HETATM15701	H2	WAT	4130	29.849	11.693	-6.687	0.417000
HETATM15702	O	WAT	4131	-22.137	9.450	-10.148	-0.834000
HETATM15703	H1	WAT	4131	-22.786	8.894	-9.716	0.417000
HETATM15704	H2	WAT	4131	-22.499	10.334	-10.086	0.417000
HETATM15705	O	WAT	4132	-19.940	-8.390	18.289	-0.834000
HETATM15706	H1	WAT	4132	-20.143	-9.319	18.400	0.417000
HETATM15707	H2	WAT	4132	-20.709	-8.027	17.850	0.417000
HETATM15708	O	WAT	4133	28.774	-17.663	4.508	-0.834000
HETATM15709	H1	WAT	4133	28.961	-16.748	4.717	0.417000
HETATM15710	H2	WAT	4133	29.634	-18.053	4.349	0.417000
HETATM15711	O	WAT	4134	27.638	-8.299	-1.389	-0.834000
HETATM15712	H1	WAT	4134	28.215	-8.100	-0.651	0.417000
HETATM15713	H2	WAT	4134	27.193	-7.472	-1.575	0.417000
HETATM15714	O	WAT	4135	28.016	-11.762	1.478	-0.834000
HETATM15715	H1	WAT	4135	27.528	-11.477	0.705	0.417000
HETATM15716	H2	WAT	4135	27.351	-11.859	2.159	0.417000
HETATM15717	O	WAT	4136	-22.327	-13.820	20.696	-0.834000
HETATM15718	H1	WAT	4136	-22.528	-12.886	20.745	0.417000
HETATM15719	H2	WAT	4136	-22.981	-14.236	21.259	0.417000
HETATM15720	O	WAT	4137	-18.019	5.394	-19.987	-0.834000
HETATM15721	H1	WAT	4137	-17.222	5.601	-20.475	0.417000
HETATM15722	H2	WAT	4137	-18.647	6.064	-20.257	0.417000
HETATM15723	O	WAT	4138	14.624	-20.233	2.947	-0.834000
HETATM15724	H1	WAT	4138	15.564	-20.306	3.113	0.417000
HETATM15725	H2	WAT	4138	14.285	-19.749	3.700	0.417000
HETATM15726	O	WAT	4139	-28.712	-4.586	-3.654	-0.834000
HETATM15727	H1	WAT	4139	-29.164	-5.423	-3.546	0.417000
HETATM15728	H2	WAT	4139	-29.210	-4.132	-4.333	0.417000
HETATM15729	O	WAT	4140	10.763	21.242	12.486	-0.834000
HETATM15730	H1	WAT	4140	10.586	21.907	11.820	0.417000
HETATM15731	H2	WAT	4140	9.903	21.027	12.846	0.417000
HETATM15732	O	WAT	4141	3.287	5.681	-20.799	-0.834000
HETATM15733	H1	WAT	4141	4.173	5.651	-20.437	0.417000
HETATM15734	H2	WAT	4141	3.318	5.097	-21.557	0.417000
HETATM15735	O	WAT	4142	16.206	19.398	10.788	-0.834000
HETATM15736	H1	WAT	4142	16.033	19.803	11.639	0.417000
HETATM15737	H2	WAT	4142	15.359	19.408	10.343	0.417000
HETATM15738	O	WAT	4143	-8.444	1.513	29.365	-0.834000
HETATM15739	H1	WAT	4143	-9.183	0.910	29.442	0.417000
HETATM15740	H2	WAT	4143	-8.604	2.176	30.038	0.417000
HETATM15741	O	WAT	4144	27.967	-7.056	-15.900	-0.834000
HETATM15742	H1	WAT	4144	28.836	-6.753	-16.163	0.417000
HETATM15743	H2	WAT	4144	28.101	-7.967	-15.638	0.417000
HETATM15744	O	WAT	4145	20.921	-14.145	-21.844	-0.834000
HETATM15745	H1	WAT	4145	20.113	-14.120	-22.356	0.417000
HETATM15746	H2	WAT	4145	21.062	-13.237	-21.575	0.417000
HETATM15747	O	WAT	4146	-26.980	-16.612	-3.252	-0.834000

HETATM15748	H1	WAT	4146	-27.493	-17.401	-3.427	0.417000
HETATM15749	H2	WAT	4146	-27.184	-16.390	-2.343	0.417000
HETATM15750	O	WAT	4147	-19.501	-23.353	-17.558	-0.834000
HETATM15751	H1	WAT	4147	-19.908	-22.503	-17.392	0.417000
HETATM15752	H2	WAT	4147	-18.735	-23.368	-16.985	0.417000
HETATM15753	O	WAT	4148	3.553	-22.872	26.701	-0.834000
HETATM15754	H1	WAT	4148	3.853	-22.928	25.794	0.417000
HETATM15755	H2	WAT	4148	2.983	-23.633	26.812	0.417000
HETATM15756	O	WAT	4149	17.152	12.452	-5.399	-0.834000
HETATM15757	H1	WAT	4149	17.010	13.365	-5.648	0.417000
HETATM15758	H2	WAT	4149	16.911	11.951	-6.178	0.417000
HETATM15759	O	WAT	4150	-11.608	-3.381	23.667	-0.834000
HETATM15760	H1	WAT	4150	-11.031	-2.746	24.092	0.417000
HETATM15761	H2	WAT	4150	-11.038	-3.853	23.060	0.417000
HETATM15762	O	WAT	4151	6.540	29.507	18.304	-0.834000
HETATM15763	H1	WAT	4151	7.278	30.117	18.319	0.417000
HETATM15764	H2	WAT	4151	6.176	29.593	17.423	0.417000
HETATM15765	O	WAT	4152	-8.538	30.951	11.888	-0.834000
HETATM15766	H1	WAT	4152	-9.354	30.501	11.670	0.417000
HETATM15767	H2	WAT	4152	-8.074	30.340	12.461	0.417000
HETATM15768	O	WAT	4153	-2.285	24.844	24.256	-0.834000
HETATM15769	H1	WAT	4153	-2.203	24.064	23.707	0.417000
HETATM15770	H2	WAT	4153	-3.151	24.766	24.655	0.417000
HETATM15771	O	WAT	4154	19.181	17.818	7.131	-0.834000
HETATM15772	H1	WAT	4154	19.868	18.323	6.697	0.417000
HETATM15773	H2	WAT	4154	18.737	18.453	7.694	0.417000
HETATM15774	O	WAT	4155	-6.201	-31.939	5.089	-0.834000
HETATM15775	H1	WAT	4155	-6.727	-31.766	4.309	0.417000
HETATM15776	H2	WAT	4155	-5.314	-32.075	4.755	0.417000
HETATM15777	O	WAT	4156	-4.555	-11.636	-23.678	-0.834000
HETATM15778	H1	WAT	4156	-5.258	-11.390	-23.077	0.417000
HETATM15779	H2	WAT	4156	-4.802	-12.505	-23.992	0.417000
HETATM15780	O	WAT	4157	-28.136	-9.825	6.664	-0.834000
HETATM15781	H1	WAT	4157	-28.643	-9.392	7.351	0.417000
HETATM15782	H2	WAT	4157	-28.088	-10.739	6.943	0.417000
HETATM15783	O	WAT	4158	-9.110	26.879	19.333	-0.834000
HETATM15784	H1	WAT	4158	-8.563	27.640	19.135	0.417000
HETATM15785	H2	WAT	4158	-9.217	26.435	18.492	0.417000
HETATM15786	O	WAT	4159	-1.409	-12.029	-30.861	-0.834000
HETATM15787	H1	WAT	4159	-2.321	-11.739	-30.875	0.417000
HETATM15788	H2	WAT	4159	-1.039	-11.695	-31.678	0.417000
HETATM15789	O	WAT	4160	23.966	6.333	-1.090	-0.834000
HETATM15790	H1	WAT	4160	24.632	5.648	-1.137	0.417000
HETATM15791	H2	WAT	4160	24.085	6.724	-0.224	0.417000
HETATM15792	O	WAT	4161	1.686	33.176	5.544	-0.834000
HETATM15793	H1	WAT	4161	1.691	33.019	4.600	0.417000
HETATM15794	H2	WAT	4161	1.652	34.128	5.629	0.417000
HETATM15795	O	WAT	4162	1.731	7.392	-19.260	-0.834000
HETATM15796	H1	WAT	4162	0.939	7.546	-19.774	0.417000
HETATM15797	H2	WAT	4162	2.252	6.794	-19.797	0.417000
HETATM15798	O	WAT	4163	1.601	22.618	-19.910	-0.834000
HETATM15799	H1	WAT	4163	2.159	23.392	-19.832	0.417000
HETATM15800	H2	WAT	4163	0.782	22.949	-20.279	0.417000
HETATM15801	O	WAT	4164	15.169	6.654	16.373	-0.834000
HETATM15802	H1	WAT	4164	15.874	7.207	16.708	0.417000
HETATM15803	H2	WAT	4164	15.317	6.624	15.428	0.417000
HETATM15804	O	WAT	4165	17.145	-5.707	9.190	-0.834000
HETATM15805	H1	WAT	4165	16.654	-5.844	8.379	0.417000
HETATM15806	H2	WAT	4165	16.824	-6.388	9.781	0.417000
HETATM15807	O	WAT	4166	11.491	-27.553	-4.451	-0.834000
HETATM15808	H1	WAT	4166	11.318	-27.419	-5.382	0.417000
HETATM15809	H2	WAT	4166	11.296	-28.478	-4.301	0.417000
HETATM15810	O	WAT	4167	-14.284	-8.456	-3.782	-0.834000
HETATM15811	H1	WAT	4167	-13.425	-8.080	-3.586	0.417000
HETATM15812	H2	WAT	4167	-14.642	-7.892	-4.466	0.417000
HETATM15813	O	WAT	4168	18.532	15.794	-24.244	-0.834000
HETATM15814	H1	WAT	4168	18.139	15.637	-23.385	0.417000
HETATM15815	H2	WAT	4168	18.430	16.735	-24.385	0.417000
HETATM15816	O	WAT	4169	24.493	0.562	-11.815	-0.834000
HETATM15817	H1	WAT	4169	25.120	0.108	-11.252	0.417000

HETATM15818	H2	WAT	4169	24.325	-0.051	-12.530	0.417000
HETATM15819	O	WAT	4170	-4.332	-17.693	-10.344	-0.834000
HETATM15820	H1	WAT	4170	-5.188	-17.959	-10.679	0.417000
HETATM15821	H2	WAT	4170	-4.421	-16.755	-10.177	0.417000
HETATM15822	O	WAT	4171	-25.738	-6.886	4.805	-0.834000
HETATM15823	H1	WAT	4171	-24.953	-6.434	5.113	0.417000
HETATM15824	H2	WAT	4171	-26.462	-6.330	5.094	0.417000
HETATM15825	O	WAT	4172	23.340	-6.109	-14.192	-0.834000
HETATM15826	H1	WAT	4172	22.955	-6.786	-14.750	0.417000
HETATM15827	H2	WAT	4172	24.261	-6.357	-14.116	0.417000
HETATM15828	O	WAT	4173	5.856	24.001	-24.190	-0.834000
HETATM15829	H1	WAT	4173	5.026	23.785	-23.766	0.417000
HETATM15830	H2	WAT	4173	6.032	24.905	-23.926	0.417000
HETATM15831	O	WAT	4174	10.435	19.288	-8.194	-0.834000
HETATM15832	H1	WAT	4174	9.903	20.052	-8.417	0.417000
HETATM15833	H2	WAT	4174	10.937	19.106	-8.988	0.417000
HETATM15834	O	WAT	4175	24.464	13.904	18.382	-0.834000
HETATM15835	H1	WAT	4175	24.053	13.736	17.534	0.417000
HETATM15836	H2	WAT	4175	24.095	14.741	18.665	0.417000
HETATM15837	O	WAT	4176	-17.184	14.218	24.820	-0.834000
HETATM15838	H1	WAT	4176	-17.631	14.725	25.497	0.417000
HETATM15839	H2	WAT	4176	-16.258	14.263	25.058	0.417000
HETATM15840	O	WAT	4177	26.376	19.684	1.773	-0.834000
HETATM15841	H1	WAT	4177	27.174	19.676	2.301	0.417000
HETATM15842	H2	WAT	4177	25.668	19.568	2.407	0.417000
HETATM15843	O	WAT	4178	-16.746	19.669	-13.082	-0.834000
HETATM15844	H1	WAT	4178	-16.693	18.719	-12.972	0.417000
HETATM15845	H2	WAT	4178	-16.839	19.795	-14.026	0.417000
HETATM15846	O	WAT	4179	7.101	26.924	18.958	-0.834000
HETATM15847	H1	WAT	4179	7.001	27.868	18.830	0.417000
HETATM15848	H2	WAT	4179	6.287	26.550	18.621	0.417000
HETATM15849	O	WAT	4180	7.087	14.554	25.978	-0.834000
HETATM15850	H1	WAT	4180	6.826	15.442	25.735	0.417000
HETATM15851	H2	WAT	4180	7.015	14.536	26.933	0.417000
HETATM15852	O	WAT	4181	-0.909	-27.073	-12.831	-0.834000
HETATM15853	H1	WAT	4181	-1.851	-27.229	-12.778	0.417000
HETATM15854	H2	WAT	4181	-0.669	-26.754	-11.961	0.417000
HETATM15855	O	WAT	4182	0.537	25.530	-8.340	-0.834000
HETATM15856	H1	WAT	4182	0.159	26.081	-9.026	0.417000
HETATM15857	H2	WAT	4182	1.002	24.841	-8.815	0.417000
HETATM15858	O	WAT	4183	12.775	15.375	-9.581	-0.834000
HETATM15859	H1	WAT	4183	11.907	15.328	-9.181	0.417000
HETATM15860	H2	WAT	4183	13.276	14.682	-9.151	0.417000
HETATM15861	O	WAT	4184	12.691	-12.208	23.715	-0.834000
HETATM15862	H1	WAT	4184	11.858	-12.154	24.183	0.417000
HETATM15863	H2	WAT	4184	13.023	-11.310	23.714	0.417000
HETATM15864	O	WAT	4185	10.230	24.111	5.623	-0.834000
HETATM15865	H1	WAT	4185	10.964	23.525	5.806	0.417000
HETATM15866	H2	WAT	4185	10.628	24.863	5.183	0.417000
HETATM15867	O	WAT	4186	18.843	21.793	-12.773	-0.834000
HETATM15868	H1	WAT	4186	19.198	20.913	-12.896	0.417000
HETATM15869	H2	WAT	4186	17.994	21.652	-12.353	0.417000
HETATM15870	O	WAT	4187	4.593	-4.216	31.769	-0.834000
HETATM15871	H1	WAT	4187	4.859	-3.307	31.634	0.417000
HETATM15872	H2	WAT	4187	4.197	-4.223	32.641	0.417000
HETATM15873	O	WAT	4188	15.989	4.583	23.334	-0.834000
HETATM15874	H1	WAT	4188	16.936	4.678	23.436	0.417000
HETATM15875	H2	WAT	4188	15.617	5.161	24.001	0.417000
HETATM15876	O	WAT	4189	-6.986	26.583	-14.971	-0.834000
HETATM15877	H1	WAT	4189	-7.368	26.118	-14.227	0.417000
HETATM15878	H2	WAT	4189	-6.117	26.848	-14.668	0.417000
HETATM15879	O	WAT	4190	-12.378	10.357	-17.698	-0.834000
HETATM15880	H1	WAT	4190	-12.815	10.339	-18.550	0.417000
HETATM15881	H2	WAT	4190	-12.891	9.761	-17.153	0.417000
HETATM15882	O	WAT	4191	28.150	-10.672	4.701	-0.834000
HETATM15883	H1	WAT	4191	27.763	-10.324	5.504	0.417000
HETATM15884	H2	WAT	4191	27.462	-11.216	4.319	0.417000
HETATM15885	O	WAT	4192	32.544	13.379	2.162	-0.834000
HETATM15886	H1	WAT	4192	32.282	13.139	3.050	0.417000
HETATM15887	H2	WAT	4192	31.738	13.688	1.749	0.417000

HETATM15888	O	WAT	4193	6.771	1.527	21.382	-0.834000
HETATM15889	H1	WAT	4193	6.141	2.051	21.876	0.417000
HETATM15890	H2	WAT	4193	6.378	1.433	20.514	0.417000
HETATM15891	O	WAT	4194	17.759	17.404	-12.554	-0.834000
HETATM15892	H1	WAT	4194	18.078	17.088	-11.708	0.417000
HETATM15893	H2	WAT	4194	16.952	17.876	-12.344	0.417000
HETATM15894	O	WAT	4195	6.709	7.593	28.219	-0.834000
HETATM15895	H1	WAT	4195	6.401	7.481	27.320	0.417000
HETATM15896	H2	WAT	4195	7.294	8.350	28.179	0.417000
HETATM15897	O	WAT	4196	-5.636	8.823	-33.296	-0.834000
HETATM15898	H1	WAT	4196	-6.053	7.963	-33.344	0.417000
HETATM15899	H2	WAT	4196	-6.004	9.223	-32.508	0.417000
HETATM15900	O	WAT	4197	15.853	-8.764	-28.480	-0.834000
HETATM15901	H1	WAT	4197	16.348	-7.953	-28.370	0.417000
HETATM15902	H2	WAT	4197	15.019	-8.598	-28.040	0.417000
HETATM15903	O	WAT	4198	-13.518	-9.715	-20.124	-0.834000
HETATM15904	H1	WAT	4198	-13.194	-10.401	-20.708	0.417000
HETATM15905	H2	WAT	4198	-14.086	-10.175	-19.505	0.417000
HETATM15906	O	WAT	4199	25.601	-2.881	1.795	-0.834000
HETATM15907	H1	WAT	4199	25.352	-3.717	1.401	0.417000
HETATM15908	H2	WAT	4199	24.771	-2.484	2.059	0.417000
HETATM15909	O	WAT	4200	-25.489	-4.836	9.608	-0.834000
HETATM15910	H1	WAT	4200	-25.160	-5.733	9.555	0.417000
HETATM15911	H2	WAT	4200	-25.414	-4.500	8.715	0.417000
HETATM15912	O	WAT	4201	20.198	22.206	-3.861	-0.834000
HETATM15913	H1	WAT	4201	20.551	23.072	-3.657	0.417000
HETATM15914	H2	WAT	4201	20.443	21.665	-3.110	0.417000
HETATM15915	O	WAT	4202	23.112	2.899	-15.759	-0.834000
HETATM15916	H1	WAT	4202	22.799	1.995	-15.798	0.417000
HETATM15917	H2	WAT	4202	23.590	2.951	-14.931	0.417000
HETATM15918	O	WAT	4203	-28.468	2.630	4.870	-0.834000
HETATM15919	H1	WAT	4203	-27.866	2.976	4.211	0.417000
HETATM15920	H2	WAT	4203	-28.525	1.695	4.675	0.417000
HETATM15921	O	WAT	4204	-9.139	-17.329	13.818	-0.834000
HETATM15922	H1	WAT	4204	-8.692	-18.165	13.688	0.417000
HETATM15923	H2	WAT	4204	-10.014	-17.571	14.122	0.417000
HETATM15924	O	WAT	4205	13.957	-1.904	13.303	-0.834000
HETATM15925	H1	WAT	4205	14.782	-1.689	13.738	0.417000
HETATM15926	H2	WAT	4205	14.156	-1.846	12.369	0.417000
HETATM15927	O	WAT	4206	-7.898	32.378	-5.354	-0.834000
HETATM15928	H1	WAT	4206	-7.502	31.565	-5.041	0.417000
HETATM15929	H2	WAT	4206	-8.705	32.462	-4.847	0.417000
HETATM15930	O	WAT	4207	-26.049	-1.215	4.484	-0.834000
HETATM15931	H1	WAT	4207	-26.838	-0.685	4.375	0.417000
HETATM15932	H2	WAT	4207	-25.337	-0.647	4.189	0.417000
HETATM15933	O	WAT	4208	-7.347	16.763	-11.750	-0.834000
HETATM15934	H1	WAT	4208	-6.811	16.203	-11.189	0.417000
HETATM15935	H2	WAT	4208	-6.757	17.033	-12.454	0.417000
HETATM15936	O	WAT	4209	0.233	1.263	-31.367	-0.834000
HETATM15937	H1	WAT	4209	1.157	1.058	-31.507	0.417000
HETATM15938	H2	WAT	4209	0.241	2.060	-30.838	0.417000
HETATM15939	O	WAT	4210	13.110	17.458	-20.640	-0.834000
HETATM15940	H1	WAT	4210	13.371	18.202	-21.184	0.417000
HETATM15941	H2	WAT	4210	12.153	17.488	-20.637	0.417000
HETATM15942	O	WAT	4211	-2.868	25.186	-20.875	-0.834000
HETATM15943	H1	WAT	4211	-3.559	24.849	-21.445	0.417000
HETATM15944	H2	WAT	4211	-3.251	25.166	-19.997	0.417000
HETATM15945	O	WAT	4212	-2.526	11.707	-7.405	-0.834000
HETATM15946	H1	WAT	4212	-2.396	11.319	-8.270	0.417000
HETATM15947	H2	WAT	4212	-3.466	11.879	-7.359	0.417000
HETATM15948	O	WAT	4213	-18.584	-10.164	-25.622	-0.834000
HETATM15949	H1	WAT	4213	-19.477	-9.820	-25.614	0.417000
HETATM15950	H2	WAT	4213	-18.674	-11.059	-25.947	0.417000
HETATM15951	O	WAT	4214	20.810	-22.030	-1.800	-0.834000
HETATM15952	H1	WAT	4214	21.755	-21.889	-1.859	0.417000
HETATM15953	H2	WAT	4214	20.448	-21.542	-2.540	0.417000
HETATM15954	O	WAT	4215	31.457	-11.230	-6.412	-0.834000
HETATM15955	H1	WAT	4215	31.822	-10.379	-6.657	0.417000
HETATM15956	H2	WAT	4215	32.028	-11.868	-6.840	0.417000
HETATM15957	O	WAT	4216	22.233	-24.870	-10.304	-0.834000

HETATM15958	H1	WAT	4216	22.786	-24.342	-9.728	0.417000
HETATM15959	H2	WAT	4216	22.752	-25.654	-10.482	0.417000
HETATM15960	O	WAT	4217	-20.378	9.579	-24.047	-0.834000
HETATM15961	H1	WAT	4217	-20.819	8.999	-23.426	0.417000
HETATM15962	H2	WAT	4217	-19.463	9.580	-23.765	0.417000
HETATM15963	O	WAT	4218	8.553	-24.328	-9.734	-0.834000
HETATM15964	H1	WAT	4218	7.992	-24.107	-8.991	0.417000
HETATM15965	H2	WAT	4218	9.333	-24.716	-9.337	0.417000
HETATM15966	O	WAT	4219	3.426	32.115	7.416	-0.834000
HETATM15967	H1	WAT	4219	2.858	32.543	6.775	0.417000
HETATM15968	H2	WAT	4219	3.785	31.359	6.951	0.417000
HETATM15969	O	WAT	4220	-24.188	8.084	-8.814	-0.834000
HETATM15970	H1	WAT	4220	-24.613	8.680	-8.197	0.417000
HETATM15971	H2	WAT	4220	-24.910	7.609	-9.224	0.417000
HETATM15972	O	WAT	4221	4.321	-5.001	-32.389	-0.834000
HETATM15973	H1	WAT	4221	4.340	-4.429	-33.156	0.417000
HETATM15974	H2	WAT	4221	4.848	-4.542	-31.735	0.417000
HETATM15975	O	WAT	4222	29.357	-3.603	8.711	-0.834000
HETATM15976	H1	WAT	4222	28.808	-4.348	8.464	0.417000
HETATM15977	H2	WAT	4222	30.214	-3.988	8.894	0.417000
HETATM15978	O	WAT	4223	-18.896	-14.583	23.914	-0.834000
HETATM15979	H1	WAT	4223	-17.950	-14.458	23.835	0.417000
HETATM15980	H2	WAT	4223	-19.209	-14.624	23.011	0.417000
HETATM15981	O	WAT	4224	10.986	11.426	-17.197	-0.834000
HETATM15982	H1	WAT	4224	10.288	10.923	-16.779	0.417000
HETATM15983	H2	WAT	4224	11.769	11.220	-16.686	0.417000
HETATM15984	O	WAT	4225	-18.111	-3.524	1.953	-0.834000
HETATM15985	H1	WAT	4225	-18.537	-2.964	2.601	0.417000
HETATM15986	H2	WAT	4225	-17.639	-2.916	1.384	0.417000
HETATM15987	O	WAT	4226	3.285	22.787	24.079	-0.834000
HETATM15988	H1	WAT	4226	3.378	21.922	23.680	0.417000
HETATM15989	H2	WAT	4226	2.341	22.948	24.083	0.417000
HETATM15990	O	WAT	4227	7.711	-33.092	2.068	-0.834000
HETATM15991	H1	WAT	4227	8.022	-32.758	2.909	0.417000
HETATM15992	H2	WAT	4227	7.374	-33.966	2.266	0.417000
HETATM15993	O	WAT	4228	-5.519	28.402	8.331	-0.834000
HETATM15994	H1	WAT	4228	-4.621	28.172	8.093	0.417000
HETATM15995	H2	WAT	4228	-5.468	29.318	8.604	0.417000
HETATM15996	O	WAT	4229	0.947	16.595	27.413	-0.834000
HETATM15997	H1	WAT	4229	1.122	17.536	27.415	0.417000
HETATM15998	H2	WAT	4229	0.045	16.518	27.723	0.417000
HETATM15999	O	WAT	4230	15.443	4.043	17.352	-0.834000
HETATM16000	H1	WAT	4230	15.228	4.917	17.029	0.417000
HETATM16001	H2	WAT	4230	14.677	3.512	17.135	0.417000
HETATM16002	O	WAT	4231	-30.942	4.616	-5.859	-0.834000
HETATM16003	H1	WAT	4231	-30.495	4.003	-5.275	0.417000
HETATM16004	H2	WAT	4231	-31.525	4.065	-6.382	0.417000
HETATM16005	O	WAT	4232	-22.631	-11.421	-2.020	-0.834000
HETATM16006	H1	WAT	4232	-21.804	-11.362	-1.541	0.417000
HETATM16007	H2	WAT	4232	-23.165	-12.023	-1.501	0.417000
HETATM16008	O	WAT	4233	13.385	28.297	-1.723	-0.834000
HETATM16009	H1	WAT	4233	14.307	28.474	-1.907	0.417000
HETATM16010	H2	WAT	4233	13.314	27.342	-1.749	0.417000
HETATM16011	O	WAT	4234	-6.257	34.585	-5.122	-0.834000
HETATM16012	H1	WAT	4234	-6.747	33.774	-5.258	0.417000
HETATM16013	H2	WAT	4234	-6.472	35.127	-5.881	0.417000
HETATM16014	O	WAT	4235	14.506	4.751	-23.152	-0.834000
HETATM16015	H1	WAT	4235	14.289	3.893	-23.516	0.417000
HETATM16016	H2	WAT	4235	15.319	5.000	-23.591	0.417000
HETATM16017	O	WAT	4236	26.118	20.454	-4.951	-0.834000
HETATM16018	H1	WAT	4236	26.106	20.340	-4.001	0.417000
HETATM16019	H2	WAT	4236	25.406	21.068	-5.128	0.417000
HETATM16020	O	WAT	4237	1.028	27.554	-17.138	-0.834000
HETATM16021	H1	WAT	4237	1.681	26.871	-16.985	0.417000
HETATM16022	H2	WAT	4237	1.315	27.983	-17.945	0.417000
HETATM16023	O	WAT	4238	16.399	-16.632	10.964	-0.834000
HETATM16024	H1	WAT	4238	17.317	-16.793	10.745	0.417000
HETATM16025	H2	WAT	4238	16.198	-17.275	11.645	0.417000
HETATM16026	O	WAT	4239	8.797	21.707	-21.653	-0.834000
HETATM16027	H1	WAT	4239	8.298	20.913	-21.464	0.417000

HETATM16028	H2	WAT	4239	9.205	21.938	-20.818	0.417000
HETATM16029	O	WAT	4240	33.124	2.002	8.675	-0.834000
HETATM16030	H1	WAT	4240	33.429	2.604	7.996	0.417000
HETATM16031	H2	WAT	4240	33.258	1.131	8.302	0.417000
HETATM16032	O	WAT	4241	-20.895	10.209	2.538	-0.834000
HETATM16033	H1	WAT	4241	-20.523	9.347	2.351	0.417000
HETATM16034	H2	WAT	4241	-21.300	10.479	1.714	0.417000
HETATM16035	O	WAT	4242	17.896	-11.842	2.705	-0.834000
HETATM16036	H1	WAT	4242	18.567	-11.164	2.788	0.417000
HETATM16037	H2	WAT	4242	17.331	-11.534	1.996	0.417000
HETATM16038	O	WAT	4243	-16.638	-5.750	-24.506	-0.834000
HETATM16039	H1	WAT	4243	-16.472	-5.791	-25.448	0.417000
HETATM16040	H2	WAT	4243	-16.620	-4.816	-24.300	0.417000
HETATM16041	O	WAT	4244	-10.848	29.618	11.182	-0.834000
HETATM16042	H1	WAT	4244	-11.406	30.380	11.339	0.417000
HETATM16043	H2	WAT	4244	-10.662	29.646	10.243	0.417000
HETATM16044	O	WAT	4245	-2.145	16.484	5.385	-0.834000
HETATM16045	H1	WAT	4245	-1.807	16.752	4.531	0.417000
HETATM16046	H2	WAT	4245	-1.377	16.477	5.956	0.417000
HETATM16047	O	WAT	4246	-16.432	-5.014	-29.681	-0.834000
HETATM16048	H1	WAT	4246	-16.667	-5.726	-30.276	0.417000
HETATM16049	H2	WAT	4246	-15.836	-4.464	-30.189	0.417000
HETATM16050	O	WAT	4247	-21.657	-1.234	-6.589	-0.834000
HETATM16051	H1	WAT	4247	-22.556	-1.551	-6.671	0.417000
HETATM16052	H2	WAT	4247	-21.425	-0.942	-7.471	0.417000
HETATM16053	O	WAT	4248	-0.741	-1.371	-22.805	-0.834000
HETATM16054	H1	WAT	4248	-1.080	-2.229	-23.061	0.417000
HETATM16055	H2	WAT	4248	-0.001	-1.567	-22.231	0.417000
HETATM16056	O	WAT	4249	20.751	-24.050	7.176	-0.834000
HETATM16057	H1	WAT	4249	20.560	-24.210	8.100	0.417000
HETATM16058	H2	WAT	4249	19.893	-23.922	6.773	0.417000
HETATM16059	O	WAT	4250	4.777	3.070	22.558	-0.834000
HETATM16060	H1	WAT	4250	3.863	2.813	22.431	0.417000
HETATM16061	H2	WAT	4250	4.835	3.299	23.485	0.417000
HETATM16062	O	WAT	4251	30.755	11.836	8.922	-0.834000
HETATM16063	H1	WAT	4251	30.692	11.449	9.796	0.417000
HETATM16064	H2	WAT	4251	29.853	12.068	8.698	0.417000
HETATM16065	O	WAT	4252	26.887	-5.279	16.073	-0.834000
HETATM16066	H1	WAT	4252	26.267	-5.609	16.723	0.417000
HETATM16067	H2	WAT	4252	26.370	-5.192	15.272	0.417000
HETATM16068	O	WAT	4253	-13.119	6.320	-29.535	-0.834000
HETATM16069	H1	WAT	4253	-13.942	6.462	-30.003	0.417000
HETATM16070	H2	WAT	4253	-13.259	5.509	-29.046	0.417000
HETATM16071	O	WAT	4254	2.891	25.523	-17.008	-0.834000
HETATM16072	H1	WAT	4254	2.933	25.080	-17.855	0.417000
HETATM16073	H2	WAT	4254	3.044	24.829	-16.367	0.417000
HETATM16074	O	WAT	4255	26.552	-3.801	-13.633	-0.834000
HETATM16075	H1	WAT	4255	26.177	-3.517	-12.799	0.417000
HETATM16076	H2	WAT	4255	26.557	-3.011	-14.174	0.417000
HETATM16077	O	WAT	4256	-24.282	-9.451	19.141	-0.834000
HETATM16078	H1	WAT	4256	-25.141	-9.482	19.564	0.417000
HETATM16079	H2	WAT	4256	-24.062	-8.520	19.114	0.417000
HETATM16080	O	WAT	4257	-2.994	-29.368	-10.925	-0.834000
HETATM16081	H1	WAT	4257	-3.793	-29.623	-10.464	0.417000
HETATM16082	H2	WAT	4257	-3.281	-28.708	-11.556	0.417000
HETATM16083	O	WAT	4258	-10.846	-17.493	-27.815	-0.834000
HETATM16084	H1	WAT	4258	-11.218	-16.650	-27.556	0.417000
HETATM16085	H2	WAT	4258	-11.476	-17.850	-28.442	0.417000
HETATM16086	O	WAT	4259	-3.162	31.894	6.999	-0.834000
HETATM16087	H1	WAT	4259	-3.483	32.699	6.593	0.417000
HETATM16088	H2	WAT	4259	-2.212	32.003	7.031	0.417000
HETATM16089	O	WAT	4260	20.263	-20.190	19.699	-0.834000
HETATM16090	H1	WAT	4260	19.695	-20.902	19.405	0.417000
HETATM16091	H2	WAT	4260	20.089	-19.476	19.086	0.417000
HETATM16092	O	WAT	4261	-7.284	-28.063	0.317	-0.834000
HETATM16093	H1	WAT	4261	-7.095	-28.718	-0.355	0.417000
HETATM16094	H2	WAT	4261	-7.962	-28.464	0.859	0.417000
HETATM16095	O	WAT	4262	29.002	-7.789	9.606	-0.834000
HETATM16096	H1	WAT	4262	29.754	-7.489	10.116	0.417000
HETATM16097	H2	WAT	4262	28.447	-8.241	10.241	0.417000

HETATM16098	O	WAT	4263	-28.007	10.846	-7.521	-0.834000
HETATM16099	H1	WAT	4263	-28.518	11.093	-8.291	0.417000
HETATM16100	H2	WAT	4263	-28.541	10.183	-7.082	0.417000
HETATM16101	O	WAT	4264	-26.738	17.686	-5.782	-0.834000
HETATM16102	H1	WAT	4264	-26.275	17.132	-6.410	0.417000
HETATM16103	H2	WAT	4264	-26.643	18.573	-6.129	0.417000
HETATM16104	O	WAT	4265	-7.381	-24.989	9.676	-0.834000
HETATM16105	H1	WAT	4265	-8.222	-25.183	9.261	0.417000
HETATM16106	H2	WAT	4265	-6.937	-24.411	9.056	0.417000
HETATM16107	O	WAT	4266	-18.162	-3.539	-28.186	-0.834000
HETATM16108	H1	WAT	4266	-17.614	-4.072	-28.762	0.417000
HETATM16109	H2	WAT	4266	-17.540	-3.073	-27.627	0.417000
HETATM16110	O	WAT	4267	11.823	-16.549	-21.176	-0.834000
HETATM16111	H1	WAT	4267	12.474	-16.077	-20.657	0.417000
HETATM16112	H2	WAT	4267	12.334	-17.001	-21.847	0.417000
HETATM16113	O	WAT	4268	1.612	25.397	-13.773	-0.834000
HETATM16114	H1	WAT	4268	2.124	26.204	-13.723	0.417000
HETATM16115	H2	WAT	4268	2.205	24.762	-14.175	0.417000
HETATM16116	O	WAT	4269	8.734	4.188	-27.120	-0.834000
HETATM16117	H1	WAT	4269	7.976	4.302	-27.693	0.417000
HETATM16118	H2	WAT	4269	8.432	4.486	-26.262	0.417000
HETATM16119	O	WAT	4270	0.105	29.583	-7.658	-0.834000
HETATM16120	H1	WAT	4270	-0.496	28.951	-7.264	0.417000
HETATM16121	H2	WAT	4270	-0.289	30.436	-7.474	0.417000
HETATM16122	O	WAT	4271	22.388	11.246	-13.423	-0.834000
HETATM16123	H1	WAT	4271	21.787	10.604	-13.801	0.417000
HETATM16124	H2	WAT	4271	21.928	12.081	-13.502	0.417000
HETATM16125	O	WAT	4272	4.309	-0.225	-24.267	-0.834000
HETATM16126	H1	WAT	4272	4.626	0.462	-24.854	0.417000
HETATM16127	H2	WAT	4272	3.577	0.179	-23.800	0.417000
HETATM16128	O	WAT	4273	12.121	12.869	13.991	-0.834000
HETATM16129	H1	WAT	4273	12.766	12.226	14.284	0.417000
HETATM16130	H2	WAT	4273	12.642	13.574	13.607	0.417000
HETATM16131	O	WAT	4274	5.612	-29.923	-11.862	-0.834000
HETATM16132	H1	WAT	4274	4.810	-29.401	-11.876	0.417000
HETATM16133	H2	WAT	4274	5.422	-30.670	-12.429	0.417000
HETATM16134	O	WAT	4275	19.399	9.891	17.744	-0.834000
HETATM16135	H1	WAT	4275	20.262	9.603	17.447	0.417000
HETATM16136	H2	WAT	4275	19.522	10.103	18.669	0.417000
HETATM16137	O	WAT	4276	-7.925	-4.825	-20.826	-0.834000
HETATM16138	H1	WAT	4276	-7.309	-4.400	-20.229	0.417000
HETATM16139	H2	WAT	4276	-8.770	-4.763	-20.382	0.417000
HETATM16140	O	WAT	4277	28.306	-3.261	17.194	-0.834000
HETATM16141	H1	WAT	4277	27.772	-3.883	16.698	0.417000
HETATM16142	H2	WAT	4277	28.717	-3.791	17.877	0.417000
HETATM16143	O	WAT	4278	2.029	-20.020	7.960	-0.834000
HETATM16144	H1	WAT	4278	1.156	-20.407	7.894	0.417000
HETATM16145	H2	WAT	4278	1.991	-19.247	7.396	0.417000
HETATM16146	O	WAT	4279	24.131	3.626	1.543	-0.834000
HETATM16147	H1	WAT	4279	24.258	3.818	2.472	0.417000
HETATM16148	H2	WAT	4279	23.205	3.812	1.385	0.417000
HETATM16149	O	WAT	4280	4.811	16.640	-26.192	-0.834000
HETATM16150	H1	WAT	4280	4.385	15.868	-26.563	0.417000
HETATM16151	H2	WAT	4280	4.436	16.722	-25.315	0.417000
HETATM16152	O	WAT	4281	0.886	13.984	-3.592	-0.834000
HETATM16153	H1	WAT	4281	0.013	13.795	-3.247	0.417000
HETATM16154	H2	WAT	4281	1.372	14.324	-2.840	0.417000
HETATM16155	O	WAT	4282	28.485	-1.401	4.690	-0.834000
HETATM16156	H1	WAT	4282	28.958	-1.482	5.518	0.417000
HETATM16157	H2	WAT	4282	27.719	-0.868	4.902	0.417000
HETATM16158	O	WAT	4283	9.721	22.092	20.610	-0.834000
HETATM16159	H1	WAT	4283	8.836	22.006	20.254	0.417000
HETATM16160	H2	WAT	4283	10.087	22.853	20.159	0.417000
HETATM16161	O	WAT	4284	5.285	7.224	30.600	-0.834000
HETATM16162	H1	WAT	4284	5.732	7.373	29.766	0.417000
HETATM16163	H2	WAT	4284	4.693	7.970	30.691	0.417000
HETATM16164	O	WAT	4285	9.675	29.835	8.211	-0.834000
HETATM16165	H1	WAT	4285	10.476	30.328	8.393	0.417000
HETATM16166	H2	WAT	4285	8.973	30.379	8.567	0.417000
HETATM16167	O	WAT	4286	0.578	19.561	-12.857	-0.834000

HETATM16168	H1	WAT	4286	-0.095	18.898	-13.013	0.417000
HETATM16169	H2	WAT	4286	0.086	20.360	-12.668	0.417000
HETATM16170	O	WAT	4287	-26.731	-9.767	20.259	-0.834000
HETATM16171	H1	WAT	4287	-26.600	-9.973	21.185	0.417000
HETATM16172	H2	WAT	4287	-26.959	-10.605	19.857	0.417000
HETATM16173	O	WAT	4288	4.430	26.043	5.515	-0.834000
HETATM16174	H1	WAT	4288	5.207	26.406	5.941	0.417000
HETATM16175	H2	WAT	4288	4.426	26.441	4.645	0.417000
HETATM16176	O	WAT	4289	28.529	13.739	-15.978	-0.834000
HETATM16177	H1	WAT	4289	28.722	14.636	-15.705	0.417000
HETATM16178	H2	WAT	4289	27.590	13.637	-15.819	0.417000
HETATM16179	O	WAT	4290	-32.632	-3.025	-2.858	-0.834000
HETATM16180	H1	WAT	4290	-32.168	-2.325	-3.317	0.417000
HETATM16181	H2	WAT	4290	-33.517	-3.005	-3.222	0.417000
HETATM16182	O	WAT	4291	21.976	-12.415	-14.796	-0.834000
HETATM16183	H1	WAT	4291	22.458	-11.614	-15.000	0.417000
HETATM16184	H2	WAT	4291	21.633	-12.710	-15.640	0.417000
HETATM16185	O	WAT	4292	-6.133	-27.794	5.104	-0.834000
HETATM16186	H1	WAT	4292	-6.037	-27.622	4.168	0.417000
HETATM16187	H2	WAT	4292	-6.863	-27.237	5.376	0.417000
HETATM16188	O	WAT	4293	15.219	24.815	3.915	-0.834000
HETATM16189	H1	WAT	4293	14.711	25.303	4.564	0.417000
HETATM16190	H2	WAT	4293	15.718	24.180	4.429	0.417000
HETATM16191	O	WAT	4294	-22.889	14.151	-15.313	-0.834000
HETATM16192	H1	WAT	4294	-22.264	14.752	-15.719	0.417000
HETATM16193	H2	WAT	4294	-22.949	13.418	-15.926	0.417000
HETATM16194	O	WAT	4295	19.757	19.200	-13.153	-0.834000
HETATM16195	H1	WAT	4295	20.302	18.798	-13.829	0.417000
HETATM16196	H2	WAT	4295	19.059	18.564	-12.998	0.417000
HETATM16197	O	WAT	4296	-22.696	1.119	-16.471	-0.834000
HETATM16198	H1	WAT	4296	-22.452	1.575	-17.277	0.417000
HETATM16199	H2	WAT	4296	-23.649	1.044	-16.517	0.417000
HETATM16200	O	WAT	4297	-12.159	-7.620	-9.553	-0.834000
HETATM16201	H1	WAT	4297	-12.237	-8.293	-10.230	0.417000
HETATM16202	H2	WAT	4297	-11.513	-7.971	-8.940	0.417000
HETATM16203	O	WAT	4298	17.011	-3.252	10.688	-0.834000
HETATM16204	H1	WAT	4298	17.100	-3.640	11.559	0.417000
HETATM16205	H2	WAT	4298	17.133	-3.985	10.086	0.417000
HETATM16206	O	WAT	4299	6.869	15.565	-3.111	-0.834000
HETATM16207	H1	WAT	4299	7.035	16.331	-2.562	0.417000
HETATM16208	H2	WAT	4299	7.734	15.301	-3.423	0.417000
HETATM16209	O	WAT	4300	-22.801	-13.371	-7.840	-0.834000
HETATM16210	H1	WAT	4300	-23.083	-13.431	-6.927	0.417000
HETATM16211	H2	WAT	4300	-22.036	-12.796	-7.817	0.417000
HETATM16212	O	WAT	4301	19.041	2.047	13.395	-0.834000
HETATM16213	H1	WAT	4301	18.902	2.889	12.961	0.417000
HETATM16214	H2	WAT	4301	18.158	1.727	13.583	0.417000
HETATM16215	O	WAT	4302	2.126	25.815	21.315	-0.834000
HETATM16216	H1	WAT	4302	2.911	25.285	21.457	0.417000
HETATM16217	H2	WAT	4302	1.557	25.261	20.781	0.417000
HETATM16218	O	WAT	4303	27.558	5.609	0.474	-0.834000
HETATM16219	H1	WAT	4303	26.977	5.006	0.012	0.417000
HETATM16220	H2	WAT	4303	27.616	6.373	-0.100	0.417000
HETATM16221	O	WAT	4304	-8.520	-17.588	16.659	-0.834000
HETATM16222	H1	WAT	4304	-8.162	-18.431	16.939	0.417000
HETATM16223	H2	WAT	4304	-8.298	-17.530	15.730	0.417000
HETATM16224	O	WAT	4305	9.358	14.886	-3.857	-0.834000
HETATM16225	H1	WAT	4305	9.796	14.533	-4.632	0.417000
HETATM16226	H2	WAT	4305	9.809	14.475	-3.119	0.417000
HETATM16227	O	WAT	4306	21.333	-14.391	19.359	-0.834000
HETATM16228	H1	WAT	4306	21.098	-14.479	20.282	0.417000
HETATM16229	H2	WAT	4306	20.609	-14.804	18.887	0.417000
HETATM16230	O	WAT	4307	5.304	-14.741	-25.557	-0.834000
HETATM16231	H1	WAT	4307	4.876	-15.288	-24.899	0.417000
HETATM16232	H2	WAT	4307	6.182	-15.111	-25.642	0.417000
HETATM16233	O	WAT	4308	10.733	-23.444	-24.510	-0.834000
HETATM16234	H1	WAT	4308	10.262	-24.180	-24.119	0.417000
HETATM16235	H2	WAT	4308	10.676	-22.748	-23.855	0.417000
HETATM16236	O	WAT	4309	-3.512	15.694	-8.480	-0.834000
HETATM16237	H1	WAT	4309	-3.282	16.464	-7.960	0.417000

HETATM16238	H2	WAT	4309	-2.671	15.293	-8.699	0.417000
HETATM16239	O	WAT	4310	-14.630	23.062	-6.330	-0.834000
HETATM16240	H1	WAT	4310	-14.418	22.145	-6.157	0.417000
HETATM16241	H2	WAT	4310	-14.757	23.446	-5.463	0.417000
HETATM16242	O	WAT	4311	-5.450	26.027	-5.248	-0.834000
HETATM16243	H1	WAT	4311	-5.666	26.829	-5.725	0.417000
HETATM16244	H2	WAT	4311	-4.505	25.927	-5.364	0.417000
HETATM16245	O	WAT	4312	16.152	-20.726	18.041	-0.834000
HETATM16246	H1	WAT	4312	15.353	-20.974	17.576	0.417000
HETATM16247	H2	WAT	4312	15.907	-19.947	18.540	0.417000
HETATM16248	O	WAT	4313	1.909	19.683	4.894	-0.834000
HETATM16249	H1	WAT	4313	2.137	19.381	4.015	0.417000
HETATM16250	H2	WAT	4313	0.966	19.529	4.963	0.417000
HETATM16251	O	WAT	4314	-3.436	-5.174	31.170	-0.834000
HETATM16252	H1	WAT	4314	-3.294	-5.407	30.252	0.417000
HETATM16253	H2	WAT	4314	-4.172	-4.562	31.150	0.417000
HETATM16254	O	WAT	4315	-3.717	-19.426	-19.667	-0.834000
HETATM16255	H1	WAT	4315	-4.671	-19.504	-19.625	0.417000
HETATM16256	H2	WAT	4315	-3.556	-18.483	-19.705	0.417000
HETATM16257	O	WAT	4316	2.677	2.960	-33.254	-0.834000
HETATM16258	H1	WAT	4316	2.164	2.760	-34.037	0.417000
HETATM16259	H2	WAT	4316	2.767	2.119	-32.805	0.417000
HETATM16260	O	WAT	4317	-22.124	21.953	7.033	-0.834000
HETATM16261	H1	WAT	4317	-22.735	22.242	6.355	0.417000
HETATM16262	H2	WAT	4317	-21.383	22.554	6.959	0.417000
HETATM16263	O	WAT	4318	-23.933	-2.161	23.039	-0.834000
HETATM16264	H1	WAT	4318	-24.369	-1.407	23.435	0.417000
HETATM16265	H2	WAT	4318	-23.724	-2.732	23.778	0.417000
HETATM16266	O	WAT	4319	-3.451	-31.764	1.181	-0.834000
HETATM16267	H1	WAT	4319	-2.874	-31.013	1.041	0.417000
HETATM16268	H2	WAT	4319	-3.069	-32.462	0.648	0.417000
HETATM16269	O	WAT	4320	3.300	-2.458	-29.240	-0.834000
HETATM16270	H1	WAT	4320	2.433	-2.663	-29.589	0.417000
HETATM16271	H2	WAT	4320	3.350	-1.503	-29.268	0.417000
HETATM16272	O	WAT	4321	-11.453	-13.564	-13.359	-0.834000
HETATM16273	H1	WAT	4321	-10.706	-13.955	-12.906	0.417000
HETATM16274	H2	WAT	4321	-12.216	-13.864	-12.866	0.417000
HETATM16275	O	WAT	4322	24.594	2.761	-2.831	-0.834000
HETATM16276	H1	WAT	4322	24.593	3.510	-3.427	0.417000
HETATM16277	H2	WAT	4322	23.685	2.461	-2.822	0.417000
HETATM16278	O	WAT	4323	12.694	-6.137	28.808	-0.834000
HETATM16279	H1	WAT	4323	12.664	-6.614	27.979	0.417000
HETATM16280	H2	WAT	4323	11.873	-6.362	29.244	0.417000
HETATM16281	O	WAT	4324	-9.742	-21.939	1.539	-0.834000
HETATM16282	H1	WAT	4324	-9.095	-21.536	0.960	0.417000
HETATM16283	H2	WAT	4324	-10.563	-21.494	1.327	0.417000
HETATM16284	O	WAT	4325	29.618	-1.878	13.097	-0.834000
HETATM16285	H1	WAT	4325	29.892	-1.261	12.419	0.417000
HETATM16286	H2	WAT	4325	30.315	-2.533	13.120	0.417000
HETATM16287	O	WAT	4326	16.605	-8.334	2.996	-0.834000
HETATM16288	H1	WAT	4326	16.735	-8.574	3.913	0.417000
HETATM16289	H2	WAT	4326	16.120	-7.509	3.030	0.417000
HETATM16290	O	WAT	4327	7.378	19.335	-21.592	-0.834000
HETATM16291	H1	WAT	4327	6.579	19.306	-22.118	0.417000
HETATM16292	H2	WAT	4327	8.069	19.050	-22.191	0.417000
HETATM16293	O	WAT	4328	-20.196	20.013	13.362	-0.834000
HETATM16294	H1	WAT	4328	-20.590	20.015	14.235	0.417000
HETATM16295	H2	WAT	4328	-19.538	20.708	13.395	0.417000
HETATM16296	O	WAT	4329	18.100	17.743	11.895	-0.834000
HETATM16297	H1	WAT	4329	18.851	18.333	11.827	0.417000
HETATM16298	H2	WAT	4329	17.378	18.228	11.497	0.417000
HETATM16299	O	WAT	4330	30.178	17.344	3.486	-0.834000
HETATM16300	H1	WAT	4330	29.701	16.835	4.140	0.417000
HETATM16301	H2	WAT	4330	31.038	17.492	3.878	0.417000
HETATM16302	O	WAT	4331	-1.119	19.538	28.377	-0.834000
HETATM16303	H1	WAT	4331	-1.345	20.283	27.819	0.417000
HETATM16304	H2	WAT	4331	-1.897	18.981	28.359	0.417000
HETATM16305	O	WAT	4332	-12.662	24.396	16.088	-0.834000
HETATM16306	H1	WAT	4332	-12.508	25.324	16.264	0.417000
HETATM16307	H2	WAT	4332	-11.786	24.022	15.993	0.417000

HETATM16308	O	WAT	4333	28.959	-13.855	-9.293	-0.834000
HETATM16309	H1	WAT	4333	28.970	-13.298	-8.515	0.417000
HETATM16310	H2	WAT	4333	29.535	-14.587	-9.073	0.417000
HETATM16311	O	WAT	4334	17.540	22.227	-4.456	-0.834000
HETATM16312	H1	WAT	4334	18.484	22.176	-4.305	0.417000
HETATM16313	H2	WAT	4334	17.255	22.980	-3.938	0.417000
HETATM16314	O	WAT	4335	-22.314	15.137	1.528	-0.834000
HETATM16315	H1	WAT	4335	-22.702	15.948	1.857	0.417000
HETATM16316	H2	WAT	4335	-22.939	14.455	1.773	0.417000
HETATM16317	O	WAT	4336	-4.780	14.901	-14.185	-0.834000
HETATM16318	H1	WAT	4336	-5.049	15.756	-13.848	0.417000
HETATM16319	H2	WAT	4336	-4.396	14.455	-13.430	0.417000
HETATM16320	O	WAT	4337	-8.793	-7.061	30.468	-0.834000
HETATM16321	H1	WAT	4337	-9.518	-7.644	30.693	0.417000
HETATM16322	H2	WAT	4337	-8.367	-6.875	31.305	0.417000
HETATM16323	O	WAT	4338	-4.195	24.007	-0.762	-0.834000
HETATM16324	H1	WAT	4338	-3.848	23.140	-0.969	0.417000
HETATM16325	H2	WAT	4338	-3.419	24.536	-0.574	0.417000
HETATM16326	O	WAT	4339	-1.719	26.980	-13.089	-0.834000
HETATM16327	H1	WAT	4339	-2.611	27.209	-13.351	0.417000
HETATM16328	H2	WAT	4339	-1.302	26.677	-13.896	0.417000
HETATM16329	O	WAT	4340	21.941	-7.990	-15.654	-0.834000
HETATM16330	H1	WAT	4340	21.589	-8.138	-16.532	0.417000
HETATM16331	H2	WAT	4340	21.169	-7.969	-15.088	0.417000
HETATM16332	O	WAT	4341	2.288	-5.919	-27.719	-0.834000
HETATM16333	H1	WAT	4341	2.426	-5.887	-28.666	0.417000
HETATM16334	H2	WAT	4341	2.585	-6.793	-27.464	0.417000
HETATM16335	O	WAT	4342	-6.697	25.027	-17.235	-0.834000
HETATM16336	H1	WAT	4342	-6.914	25.649	-16.541	0.417000
HETATM16337	H2	WAT	4342	-7.479	25.001	-17.787	0.417000
HETATM16338	O	WAT	4343	30.823	6.553	12.276	-0.834000
HETATM16339	H1	WAT	4343	31.677	6.164	12.089	0.417000
HETATM16340	H2	WAT	4343	30.191	5.904	11.967	0.417000
HETATM16341	O	WAT	4344	-14.038	-11.719	-10.960	-0.834000
HETATM16342	H1	WAT	4344	-13.901	-12.562	-11.391	0.417000
HETATM16343	H2	WAT	4344	-14.127	-11.935	-10.032	0.417000
HETATM16344	O	WAT	4345	19.908	16.255	15.274	-0.834000
HETATM16345	H1	WAT	4345	18.984	16.333	15.038	0.417000
HETATM16346	H2	WAT	4345	19.947	15.483	15.839	0.417000
HETATM16347	O	WAT	4346	-13.109	-22.621	-16.053	-0.834000
HETATM16348	H1	WAT	4346	-13.065	-23.561	-16.229	0.417000
HETATM16349	H2	WAT	4346	-13.302	-22.561	-15.117	0.417000
HETATM16350	O	WAT	4347	21.468	-25.302	-6.348	-0.834000
HETATM16351	H1	WAT	4347	22.231	-25.879	-6.303	0.417000
HETATM16352	H2	WAT	4347	21.826	-24.422	-6.234	0.417000
HETATM16353	O	WAT	4348	-21.865	-22.394	12.038	-0.834000
HETATM16354	H1	WAT	4348	-21.798	-22.208	12.975	0.417000
HETATM16355	H2	WAT	4348	-21.185	-23.047	11.874	0.417000
HETATM16356	O	WAT	4349	3.644	14.491	-27.486	-0.834000
HETATM16357	H1	WAT	4349	3.806	14.552	-28.428	0.417000
HETATM16358	H2	WAT	4349	4.048	13.663	-27.227	0.417000
HETATM16359	O	WAT	4350	23.144	19.988	7.585	-0.834000
HETATM16360	H1	WAT	4350	23.479	19.917	8.479	0.417000
HETATM16361	H2	WAT	4350	23.724	19.431	7.067	0.417000
HETATM16362	O	WAT	4351	24.101	0.060	3.943	-0.834000
HETATM16363	H1	WAT	4351	23.685	-0.720	3.577	0.417000
HETATM16364	H2	WAT	4351	24.578	0.445	3.208	0.417000
HETATM16365	O	WAT	4352	-4.758	20.623	0.757	-0.834000
HETATM16366	H1	WAT	4352	-4.123	21.046	0.180	0.417000
HETATM16367	H2	WAT	4352	-4.236	20.016	1.282	0.417000
HETATM16368	O	WAT	4353	4.571	-31.874	-13.547	-0.834000
HETATM16369	H1	WAT	4353	5.029	-32.129	-14.348	0.417000
HETATM16370	H2	WAT	4353	3.718	-31.561	-13.848	0.417000
HETATM16371	O	WAT	4354	13.967	4.199	-27.250	-0.834000
HETATM16372	H1	WAT	4354	14.517	4.941	-26.999	0.417000
HETATM16373	H2	WAT	4354	13.075	4.482	-27.048	0.417000
HETATM16374	O	WAT	4355	8.892	0.308	-24.453	-0.834000
HETATM16375	H1	WAT	4355	8.371	-0.306	-24.971	0.417000
HETATM16376	H2	WAT	4355	8.260	0.961	-24.150	0.417000
HETATM16377	O	WAT	4356	-16.958	26.143	17.398	-0.834000

HETATM16378	H1	WAT	4356	-16.291	25.475	17.558	0.417000
HETATM16379	H2	WAT	4356	-16.493	26.974	17.496	0.417000
HETATM16380	O	WAT	4357	-29.560	-8.447	8.543	-0.834000
HETATM16381	H1	WAT	4357	-29.311	-7.534	8.399	0.417000
HETATM16382	H2	WAT	4357	-29.271	-8.637	9.436	0.417000
HETATM16383	O	WAT	4358	23.311	20.225	-3.435	-0.834000
HETATM16384	H1	WAT	4358	24.137	20.102	-2.967	0.417000
HETATM16385	H2	WAT	4358	23.508	20.885	-4.100	0.417000
HETATM16386	O	WAT	4359	3.626	17.181	18.220	-0.834000
HETATM16387	H1	WAT	4359	3.938	17.542	17.390	0.417000
HETATM16388	H2	WAT	4359	2.884	17.736	18.459	0.417000
HETATM16389	O	WAT	4360	14.967	-5.676	12.183	-0.834000
HETATM16390	H1	WAT	4360	15.689	-5.205	12.597	0.417000
HETATM16391	H2	WAT	4360	15.381	-6.429	11.762	0.417000
HETATM16392	O	WAT	4361	-0.700	23.499	-21.235	-0.834000
HETATM16393	H1	WAT	4361	-1.217	22.693	-21.243	0.417000
HETATM16394	H2	WAT	4361	-1.343	24.194	-21.095	0.417000
HETATM16395	O	WAT	4362	27.941	-19.678	6.278	-0.834000
HETATM16396	H1	WAT	4362	28.198	-18.968	5.689	0.417000
HETATM16397	H2	WAT	4362	27.079	-19.949	5.965	0.417000
HETATM16398	O	WAT	4363	-2.657	-23.299	4.325	-0.834000
HETATM16399	H1	WAT	4363	-3.213	-23.194	5.097	0.417000
HETATM16400	H2	WAT	4363	-1.867	-22.798	4.530	0.417000
HETATM16401	O	WAT	4364	-16.534	21.176	-8.705	-0.834000
HETATM16402	H1	WAT	4364	-16.463	21.526	-9.593	0.417000
HETATM16403	H2	WAT	4364	-17.315	20.624	-8.726	0.417000
HETATM16404	O	WAT	4365	3.709	0.324	-29.077	-0.834000
HETATM16405	H1	WAT	4365	4.530	0.275	-28.587	0.417000
HETATM16406	H2	WAT	4365	3.031	0.374	-28.403	0.417000
HETATM16407	O	WAT	4366	29.771	-3.029	-15.755	-0.834000
HETATM16408	H1	WAT	4366	30.111	-2.147	-15.605	0.417000
HETATM16409	H2	WAT	4366	30.403	-3.430	-16.352	0.417000
HETATM16410	O	WAT	4367	22.423	5.059	7.748	-0.834000
HETATM16411	H1	WAT	4367	22.431	5.198	6.801	0.417000
HETATM16412	H2	WAT	4367	22.557	5.931	8.120	0.417000
HETATM16413	O	WAT	4368	20.835	13.503	-13.654	-0.834000
HETATM16414	H1	WAT	4368	20.408	13.799	-12.850	0.417000
HETATM16415	H2	WAT	4368	21.378	14.244	-13.924	0.417000
HETATM16416	O	WAT	4369	31.373	-1.072	-8.316	-0.834000
HETATM16417	H1	WAT	4369	30.737	-0.432	-7.996	0.417000
HETATM16418	H2	WAT	4369	30.879	-1.890	-8.377	0.417000
HETATM16419	O	WAT	4370	14.416	17.150	27.459	-0.834000
HETATM16420	H1	WAT	4370	14.252	17.071	26.519	0.417000
HETATM16421	H2	WAT	4370	15.362	17.040	27.548	0.417000
HETATM16422	O	WAT	4371	12.213	-1.389	-25.471	-0.834000
HETATM16423	H1	WAT	4371	13.014	-1.680	-25.907	0.417000
HETATM16424	H2	WAT	4371	12.466	-1.273	-24.555	0.417000
HETATM16425	O	WAT	4372	17.479	8.031	-23.478	-0.834000
HETATM16426	H1	WAT	4372	16.960	8.637	-24.006	0.417000
HETATM16427	H2	WAT	4372	18.359	8.080	-23.852	0.417000
HETATM16428	O	WAT	4373	23.773	-15.641	19.313	-0.834000
HETATM16429	H1	WAT	4373	22.941	-15.170	19.351	0.417000
HETATM16430	H2	WAT	4373	24.416	-15.020	19.655	0.417000
HETATM16431	O	WAT	4374	-4.115	29.838	11.335	-0.834000
HETATM16432	H1	WAT	4374	-3.296	29.417	11.074	0.417000
HETATM16433	H2	WAT	4374	-4.402	30.310	10.554	0.417000
HETATM16434	O	WAT	4375	31.050	-11.719	8.570	-0.834000
HETATM16435	H1	WAT	4375	30.612	-11.127	7.958	0.417000
HETATM16436	H2	WAT	4375	30.597	-11.582	9.402	0.417000
HETATM16437	O	WAT	4376	-13.289	-20.277	24.436	-0.834000
HETATM16438	H1	WAT	4376	-12.415	-20.122	24.077	0.417000
HETATM16439	H2	WAT	4376	-13.494	-19.477	24.919	0.417000
HETATM16440	O	WAT	4377	-17.381	-0.210	-29.749	-0.834000
HETATM16441	H1	WAT	4377	-16.535	-0.657	-29.742	0.417000
HETATM16442	H2	WAT	4377	-17.279	0.486	-30.399	0.417000
HETATM16443	O	WAT	4378	2.237	25.811	7.225	-0.834000
HETATM16444	H1	WAT	4378	3.028	25.963	6.708	0.417000
HETATM16445	H2	WAT	4378	1.654	25.332	6.635	0.417000
HETATM16446	O	WAT	4379	9.935	13.791	15.308	-0.834000
HETATM16447	H1	WAT	4379	9.607	12.990	15.716	0.417000

HETATM16448	H2	WAT	4379	10.737	13.521	14.861	0.417000
HETATM16449	O	WAT	4380	11.671	-24.959	15.822	-0.834000
HETATM16450	H1	WAT	4380	11.237	-24.228	16.263	0.417000
HETATM16451	H2	WAT	4380	12.256	-25.325	16.486	0.417000
HETATM16452	O	WAT	4381	0.100	-14.301	14.140	-0.834000
HETATM16453	H1	WAT	4381	0.649	-13.815	13.524	0.417000
HETATM16454	H2	WAT	4381	-0.788	-14.203	13.797	0.417000
HETATM16455	O	WAT	4382	1.508	-8.179	30.877	-0.834000
HETATM16456	H1	WAT	4382	0.683	-8.024	30.418	0.417000
HETATM16457	H2	WAT	4382	1.964	-7.338	30.842	0.417000
HETATM16458	O	WAT	4383	11.008	-28.173	17.669	-0.834000
HETATM16459	H1	WAT	4383	11.581	-28.164	16.902	0.417000
HETATM16460	H2	WAT	4383	11.607	-28.178	18.416	0.417000
HETATM16461	O	WAT	4384	-19.662	15.535	-9.754	-0.834000
HETATM16462	H1	WAT	4384	-19.320	15.671	-8.871	0.417000
HETATM16463	H2	WAT	4384	-19.389	14.646	-9.982	0.417000
HETATM16464	O	WAT	4385	-11.899	14.633	-20.211	-0.834000
HETATM16465	H1	WAT	4385	-11.702	15.058	-21.046	0.417000
HETATM16466	H2	WAT	4385	-12.126	15.353	-19.623	0.417000
HETATM16467	O	WAT	4386	-19.584	27.689	6.763	-0.834000
HETATM16468	H1	WAT	4386	-19.337	28.189	5.985	0.417000
HETATM16469	H2	WAT	4386	-20.247	27.073	6.451	0.417000
HETATM16470	O	WAT	4387	-7.978	29.445	0.334	-0.834000
HETATM16471	H1	WAT	4387	-8.200	30.243	0.813	0.417000
HETATM16472	H2	WAT	4387	-7.267	29.051	0.840	0.417000
HETATM16473	O	WAT	4388	15.033	-0.154	21.552	-0.834000
HETATM16474	H1	WAT	4388	14.734	0.216	20.722	0.417000
HETATM16475	H2	WAT	4388	15.414	0.587	22.022	0.417000
HETATM16476	O	WAT	4389	8.326	30.088	11.208	-0.834000
HETATM16477	H1	WAT	4389	8.037	30.785	10.619	0.417000
HETATM16478	H2	WAT	4389	7.729	29.361	11.029	0.417000
HETATM16479	O	WAT	4390	7.669	-16.100	-25.248	-0.834000
HETATM16480	H1	WAT	4390	7.762	-15.786	-24.349	0.417000
HETATM16481	H2	WAT	4390	7.570	-17.048	-25.161	0.417000
HETATM16482	O	WAT	4391	16.275	7.344	-13.962	-0.834000
HETATM16483	H1	WAT	4391	16.533	7.051	-13.087	0.417000
HETATM16484	H2	WAT	4391	16.201	8.296	-13.883	0.417000
HETATM16485	O	WAT	4392	-14.998	-1.046	-11.209	-0.834000
HETATM16486	H1	WAT	4392	-15.080	-0.142	-11.512	0.417000
HETATM16487	H2	WAT	4392	-14.869	-1.556	-12.009	0.417000
HETATM16488	O	WAT	4393	-8.118	21.307	-10.049	-0.834000
HETATM16489	H1	WAT	4393	-8.375	20.548	-10.573	0.417000
HETATM16490	H2	WAT	4393	-7.659	20.933	-9.296	0.417000
HETATM16491	O	WAT	4394	-17.229	27.454	12.698	-0.834000
HETATM16492	H1	WAT	4394	-16.333	27.408	12.365	0.417000
HETATM16493	H2	WAT	4394	-17.484	28.369	12.574	0.417000
HETATM16494	O	WAT	4395	20.381	27.898	-4.678	-0.834000
HETATM16495	H1	WAT	4395	21.173	28.387	-4.899	0.417000
HETATM16496	H2	WAT	4395	20.284	27.265	-5.390	0.417000
HETATM16497	O	WAT	4396	5.331	-3.222	27.918	-0.834000
HETATM16498	H1	WAT	4396	6.026	-3.849	28.120	0.417000
HETATM16499	H2	WAT	4396	5.654	-2.388	28.261	0.417000
HETATM16500	O	WAT	4397	-14.167	14.875	1.970	-0.834000
HETATM16501	H1	WAT	4397	-13.977	14.795	2.905	0.417000
HETATM16502	H2	WAT	4397	-14.628	15.710	1.890	0.417000
HETATM16503	O	WAT	4398	-32.484	1.260	10.728	-0.834000
HETATM16504	H1	WAT	4398	-33.356	1.508	11.033	0.417000
HETATM16505	H2	WAT	4398	-31.999	1.057	11.528	0.417000
HETATM16506	O	WAT	4399	-5.049	21.253	-6.522	-0.834000
HETATM16507	H1	WAT	4399	-4.496	21.688	-7.171	0.417000
HETATM16508	H2	WAT	4399	-5.505	21.968	-6.078	0.417000
HETATM16509	O	WAT	4400	-24.163	-4.185	13.591	-0.834000
HETATM16510	H1	WAT	4400	-24.854	-4.469	14.190	0.417000
HETATM16511	H2	WAT	4400	-24.624	-3.706	12.903	0.417000
HETATM16512	O	WAT	4401	-2.957	-13.771	-21.181	-0.834000
HETATM16513	H1	WAT	4401	-3.385	-14.556	-21.525	0.417000
HETATM16514	H2	WAT	4401	-2.507	-13.393	-21.936	0.417000
HETATM16515	O	WAT	4402	3.890	-2.581	25.670	-0.834000
HETATM16516	H1	WAT	4402	4.381	-1.871	25.257	0.417000
HETATM16517	H2	WAT	4402	4.400	-2.805	26.448	0.417000

HETATM16518	O	WAT	4403	-0.503	-21.813	5.114	-0.834000
HETATM16519	H1	WAT	4403	-0.509	-21.540	6.031	0.417000
HETATM16520	H2	WAT	4403	-0.370	-21.002	4.623	0.417000
HETATM16521	O	WAT	4404	-11.433	11.829	-4.725	-0.834000
HETATM16522	H1	WAT	4404	-11.884	12.125	-5.515	0.417000
HETATM16523	H2	WAT	4404	-10.528	11.687	-5.005	0.417000
HETATM16524	O	WAT	4405	5.494	-1.613	31.276	-0.834000
HETATM16525	H1	WAT	4405	4.971	-0.823	31.417	0.417000
HETATM16526	H2	WAT	4405	5.902	-1.479	30.420	0.417000
HETATM16527	O	WAT	4406	-28.875	-7.050	-15.143	-0.834000
HETATM16528	H1	WAT	4406	-27.927	-6.985	-15.028	0.417000
HETATM16529	H2	WAT	4406	-29.233	-6.898	-14.268	0.417000
HETATM16530	O	WAT	4407	-20.512	-11.675	-7.834	-0.834000
HETATM16531	H1	WAT	4407	-19.880	-11.675	-8.553	0.417000
HETATM16532	H2	WAT	4407	-19.977	-11.767	-7.045	0.417000
HETATM16533	O	WAT	4408	-9.819	-5.729	-31.535	-0.834000
HETATM16534	H1	WAT	4408	-10.569	-6.085	-32.012	0.417000
HETATM16535	H2	WAT	4408	-9.056	-6.057	-32.011	0.417000
HETATM16536	O	WAT	4409	-19.012	0.232	18.274	-0.834000
HETATM16537	H1	WAT	4409	-19.248	0.653	19.100	0.417000
HETATM16538	H2	WAT	4409	-18.374	0.825	17.876	0.417000
HETATM16539	O	WAT	4410	-15.073	-20.507	19.737	-0.834000
HETATM16540	H1	WAT	4410	-14.962	-20.617	20.681	0.417000
HETATM16541	H2	WAT	4410	-15.938	-20.873	19.552	0.417000
HETATM16542	O	WAT	4411	1.833	21.251	-1.432	-0.834000
HETATM16543	H1	WAT	4411	2.400	21.095	-0.677	0.417000
HETATM16544	H2	WAT	4411	2.198	22.031	-1.849	0.417000
HETATM16545	O	WAT	4412	16.636	13.932	9.300	-0.834000
HETATM16546	H1	WAT	4412	17.274	14.448	9.794	0.417000
HETATM16547	H2	WAT	4412	16.879	13.022	9.475	0.417000
HETATM16548	O	WAT	4413	-10.892	27.056	12.130	-0.834000
HETATM16549	H1	WAT	4413	-10.854	27.962	11.822	0.417000
HETATM16550	H2	WAT	4413	-11.621	26.669	11.646	0.417000
HETATM16551	O	WAT	4414	5.771	-11.814	-30.634	-0.834000
HETATM16552	H1	WAT	4414	6.306	-12.590	-30.468	0.417000
HETATM16553	H2	WAT	4414	5.186	-11.760	-29.878	0.417000
HETATM16554	O	WAT	4415	-24.385	-13.801	9.853	-0.834000
HETATM16555	H1	WAT	4415	-23.637	-14.072	9.322	0.417000
HETATM16556	H2	WAT	4415	-24.382	-12.845	9.803	0.417000
HETATM16557	O	WAT	4416	-3.824	12.576	22.756	-0.834000
HETATM16558	H1	WAT	4416	-3.656	13.293	23.368	0.417000
HETATM16559	H2	WAT	4416	-4.667	12.793	22.358	0.417000
HETATM16560	O	WAT	4417	-14.910	-18.502	-9.952	-0.834000
HETATM16561	H1	WAT	4417	-14.144	-18.853	-10.406	0.417000
HETATM16562	H2	WAT	4417	-15.512	-18.253	-10.654	0.417000
HETATM16563	O	WAT	4418	-17.352	27.249	3.126	-0.834000
HETATM16564	H1	WAT	4418	-16.892	27.580	2.355	0.417000
HETATM16565	H2	WAT	4418	-16.662	26.879	3.677	0.417000
HETATM16566	O	WAT	4419	4.197	-13.374	19.226	-0.834000
HETATM16567	H1	WAT	4419	3.470	-13.065	19.765	0.417000
HETATM16568	H2	WAT	4419	4.420	-14.230	19.590	0.417000
HETATM16569	O	WAT	4420	18.257	-5.654	22.196	-0.834000
HETATM16570	H1	WAT	4420	18.718	-5.548	23.028	0.417000
HETATM16571	H2	WAT	4420	18.808	-6.251	21.690	0.417000
HETATM16572	O	WAT	4421	12.108	7.798	-0.496	-0.834000
HETATM16573	H1	WAT	4421	12.666	7.162	-0.944	0.417000
HETATM16574	H2	WAT	4421	11.461	7.265	-0.033	0.417000
HETATM16575	O	WAT	4422	-9.179	13.315	-7.787	-0.834000
HETATM16576	H1	WAT	4422	-9.866	12.804	-8.215	0.417000
HETATM16577	H2	WAT	4422	-8.373	13.056	-8.234	0.417000
HETATM16578	O	WAT	4423	-12.579	-25.400	-16.354	-0.834000
HETATM16579	H1	WAT	4423	-12.587	-25.853	-15.511	0.417000
HETATM16580	H2	WAT	4423	-12.496	-26.101	-17.001	0.417000
HETATM16581	O	WAT	4424	20.020	8.100	-24.626	-0.834000
HETATM16582	H1	WAT	4424	20.617	8.345	-23.919	0.417000
HETATM16583	H2	WAT	4424	20.484	7.413	-25.104	0.417000
HETATM16584	O	WAT	4425	-4.338	20.316	-27.680	-0.834000
HETATM16585	H1	WAT	4425	-4.998	20.478	-28.354	0.417000
HETATM16586	H2	WAT	4425	-3.625	20.917	-27.893	0.417000
HETATM16587	O	WAT	4426	7.858	18.863	24.043	-0.834000

HETATM16588	H1	WAT	4426	8.199	18.363	23.301	0.417000
HETATM16589	H2	WAT	4426	7.566	19.691	23.659	0.417000
HETATM16590	O	WAT	4427	-13.684	20.539	-5.712	-0.834000
HETATM16591	H1	WAT	4427	-12.758	20.780	-5.720	0.417000
HETATM16592	H2	WAT	4427	-13.802	20.068	-4.887	0.417000
HETATM16593	O	WAT	4428	18.956	3.429	-17.005	-0.834000
HETATM16594	H1	WAT	4428	19.131	3.038	-17.861	0.417000
HETATM16595	H2	WAT	4428	18.112	3.869	-17.110	0.417000
HETATM16596	O	WAT	4429	-6.692	30.866	15.536	-0.834000
HETATM16597	H1	WAT	4429	-6.239	31.168	16.324	0.417000
HETATM16598	H2	WAT	4429	-6.073	31.033	14.825	0.417000
HETATM16599	O	WAT	4430	32.555	-11.138	5.000	-0.834000
HETATM16600	H1	WAT	4430	32.944	-11.435	5.823	0.417000
HETATM16601	H2	WAT	4430	32.234	-10.257	5.192	0.417000
HETATM16602	O	WAT	4431	-16.700	19.615	-20.355	-0.834000
HETATM16603	H1	WAT	4431	-17.411	20.249	-20.264	0.417000
HETATM16604	H2	WAT	4431	-17.109	18.769	-20.168	0.417000
HETATM16605	O	WAT	4432	-29.942	-4.673	15.050	-0.834000
HETATM16606	H1	WAT	4432	-30.197	-5.592	15.136	0.417000
HETATM16607	H2	WAT	4432	-29.243	-4.679	14.396	0.417000
HETATM16608	O	WAT	4433	-26.570	-17.311	-14.823	-0.834000
HETATM16609	H1	WAT	4433	-26.985	-17.844	-14.144	0.417000
HETATM16610	H2	WAT	4433	-26.453	-16.453	-14.416	0.417000
HETATM16611	O	WAT	4434	-5.605	23.388	9.738	-0.834000
HETATM16612	H1	WAT	4434	-6.458	23.043	9.473	0.417000
HETATM16613	H2	WAT	4434	-5.733	24.335	9.783	0.417000
HETATM16614	O	WAT	4435	23.714	-23.425	-8.563	-0.834000
HETATM16615	H1	WAT	4435	24.606	-23.740	-8.420	0.417000
HETATM16616	H2	WAT	4435	23.378	-23.248	-7.684	0.417000
HETATM16617	O	WAT	4436	23.553	-6.934	7.028	-0.834000
HETATM16618	H1	WAT	4436	24.021	-6.540	7.764	0.417000
HETATM16619	H2	WAT	4436	24.232	-7.099	6.373	0.417000
HETATM16620	O	WAT	4437	25.739	-2.964	-11.161	-0.834000
HETATM16621	H1	WAT	4437	25.962	-2.146	-10.717	0.417000
HETATM16622	H2	WAT	4437	26.313	-3.618	-10.761	0.417000
HETATM16623	O	WAT	4438	19.758	1.979	-19.253	-0.834000
HETATM16624	H1	WAT	4438	19.585	2.181	-20.172	0.417000
HETATM16625	H2	WAT	4438	20.712	1.971	-19.184	0.417000
HETATM16626	O	WAT	4439	10.267	-15.674	-23.271	-0.834000
HETATM16627	H1	WAT	4439	10.724	-15.878	-22.455	0.417000
HETATM16628	H2	WAT	4439	9.382	-15.434	-22.996	0.417000
HETATM16629	O	WAT	4440	19.831	-21.387	0.691	-0.834000
HETATM16630	H1	WAT	4440	20.144	-21.740	-0.141	0.417000
HETATM16631	H2	WAT	4440	19.974	-20.443	0.620	0.417000
HETATM16632	O	WAT	4441	30.057	13.271	-1.844	-0.834000
HETATM16633	H1	WAT	4441	30.182	12.510	-2.411	0.417000
HETATM16634	H2	WAT	4441	30.511	13.983	-2.295	0.417000
HETATM16635	O	WAT	4442	-20.032	-8.213	26.220	-0.834000
HETATM16636	H1	WAT	4442	-20.927	-8.355	25.911	0.417000
HETATM16637	H2	WAT	4442	-19.823	-7.320	25.946	0.417000
HETATM16638	O	WAT	4443	-11.153	-10.496	-4.933	-0.834000
HETATM16639	H1	WAT	4443	-10.214	-10.633	-4.810	0.417000
HETATM16640	H2	WAT	4443	-11.485	-11.350	-5.210	0.417000
HETATM16641	O	WAT	4444	29.610	2.518	-2.163	-0.834000
HETATM16642	H1	WAT	4444	28.949	1.898	-1.856	0.417000
HETATM16643	H2	WAT	4444	30.326	2.436	-1.534	0.417000
HETATM16644	O	WAT	4445	2.777	-30.623	-17.332	-0.834000
HETATM16645	H1	WAT	4445	3.439	-31.174	-17.749	0.417000
HETATM16646	H2	WAT	4445	3.205	-29.773	-17.227	0.417000
HETATM16647	O	WAT	4446	3.782	21.273	-18.794	-0.834000
HETATM16648	H1	WAT	4446	4.268	21.367	-19.613	0.417000
HETATM16649	H2	WAT	4446	2.925	21.657	-18.979	0.417000
HETATM16650	O	WAT	4447	-24.687	-3.554	-15.810	-0.834000
HETATM16651	H1	WAT	4447	-24.839	-3.973	-16.657	0.417000
HETATM16652	H2	WAT	4447	-25.178	-2.733	-15.858	0.417000
HETATM16653	O	WAT	4448	-0.241	1.389	35.448	-0.834000
HETATM16654	H1	WAT	4448	-0.632	1.808	34.682	0.417000
HETATM16655	H2	WAT	4448	0.673	1.672	35.437	0.417000
HETATM16656	O	WAT	4449	-0.444	6.521	-27.232	-0.834000
HETATM16657	H1	WAT	4449	-1.246	6.788	-27.679	0.417000

HETATM16658	H2	WAT	4449	0.262	6.837	-27.796	0.417000
HETATM16659	O	WAT	4450	14.652	-24.447	-5.337	-0.834000
HETATM16660	H1	WAT	4450	14.434	-25.361	-5.155	0.417000
HETATM16661	H2	WAT	4450	14.282	-24.281	-6.204	0.417000
HETATM16662	O	WAT	4451	8.527	-16.548	15.723	-0.834000
HETATM16663	H1	WAT	4451	7.903	-15.888	16.027	0.417000
HETATM16664	H2	WAT	4451	8.031	-17.366	15.729	0.417000
HETATM16665	O	WAT	4452	-6.741	-2.497	-10.658	-0.834000
HETATM16666	H1	WAT	4452	-6.776	-2.453	-11.613	0.417000
HETATM16667	H2	WAT	4452	-6.576	-1.595	-10.382	0.417000
HETATM16668	O	WAT	4453	19.334	10.985	-0.269	-0.834000
HETATM16669	H1	WAT	4453	19.598	11.801	-0.696	0.417000
HETATM16670	H2	WAT	4453	20.155	10.600	0.039	0.417000
HETATM16671	O	WAT	4454	-4.015	34.108	5.556	-0.834000
HETATM16672	H1	WAT	4454	-3.708	34.998	5.733	0.417000
HETATM16673	H2	WAT	4454	-3.543	33.845	4.767	0.417000
HETATM16674	O	WAT	4455	17.866	8.078	12.674	-0.834000
HETATM16675	H1	WAT	4455	17.817	9.032	12.733	0.417000
HETATM16676	H2	WAT	4455	18.438	7.914	11.924	0.417000
HETATM16677	O	WAT	4456	-14.370	-12.651	-8.394	-0.834000
HETATM16678	H1	WAT	4456	-15.020	-13.326	-8.589	0.417000
HETATM16679	H2	WAT	4456	-14.570	-12.376	-7.500	0.417000
HETATM16680	O	WAT	4457	-2.792	-12.408	30.829	-0.834000
HETATM16681	H1	WAT	4457	-1.913	-12.729	30.633	0.417000
HETATM16682	H2	WAT	4457	-2.781	-11.492	30.550	0.417000
HETATM16683	O	WAT	4458	-21.063	11.875	18.445	-0.834000
HETATM16684	H1	WAT	4458	-20.835	12.785	18.632	0.417000
HETATM16685	H2	WAT	4458	-21.197	11.851	17.498	0.417000
HETATM16686	O	WAT	4459	22.771	-22.926	-6.046	-0.834000
HETATM16687	H1	WAT	4459	23.419	-22.768	-5.359	0.417000
HETATM16688	H2	WAT	4459	22.195	-22.162	-6.011	0.417000
HETATM16689	O	WAT	4460	11.486	15.324	3.595	-0.834000
HETATM16690	H1	WAT	4460	10.966	16.109	3.772	0.417000
HETATM16691	H2	WAT	4460	12.323	15.659	3.275	0.417000
HETATM16692	O	WAT	4461	-6.780	-9.738	21.908	-0.834000
HETATM16693	H1	WAT	4461	-6.588	-8.864	21.568	0.417000
HETATM16694	H2	WAT	4461	-6.000	-10.252	21.699	0.417000
HETATM16695	O	WAT	4462	-3.255	-6.128	-32.689	-0.834000
HETATM16696	H1	WAT	4462	-2.426	-5.775	-33.012	0.417000
HETATM16697	H2	WAT	4462	-3.821	-5.361	-32.594	0.417000
HETATM16698	O	WAT	4463	-25.847	-5.446	-22.444	-0.834000
HETATM16699	H1	WAT	4463	-25.121	-4.849	-22.263	0.417000
HETATM16700	H2	WAT	4463	-26.592	-5.066	-21.979	0.417000
HETATM16701	O	WAT	4464	5.184	27.004	-17.228	-0.834000
HETATM16702	H1	WAT	4464	5.472	26.872	-16.325	0.417000
HETATM16703	H2	WAT	4464	4.345	26.546	-17.281	0.417000
HETATM16704	O	WAT	4465	25.193	-17.123	-3.660	-0.834000
HETATM16705	H1	WAT	4465	25.811	-17.180	-4.389	0.417000
HETATM16706	H2	WAT	4465	25.680	-16.678	-2.967	0.417000
HETATM16707	O	WAT	4466	-29.147	13.246	13.121	-0.834000
HETATM16708	H1	WAT	4466	-28.465	12.655	12.801	0.417000
HETATM16709	H2	WAT	4466	-29.520	13.632	12.329	0.417000
HETATM16710	O	WAT	4467	29.790	-14.948	11.573	-0.834000
HETATM16711	H1	WAT	4467	30.479	-14.762	10.935	0.417000
HETATM16712	H2	WAT	4467	29.117	-14.290	11.397	0.417000
HETATM16713	O	WAT	4468	3.381	9.430	28.045	-0.834000
HETATM16714	H1	WAT	4468	4.163	9.908	27.770	0.417000
HETATM16715	H2	WAT	4468	3.479	9.334	28.992	0.417000
HETATM16716	O	WAT	4469	3.443	3.777	-22.946	-0.834000
HETATM16717	H1	WAT	4469	3.409	2.846	-22.724	0.417000
HETATM16718	H2	WAT	4469	2.703	3.908	-23.540	0.417000
HETATM16719	O	WAT	4470	25.113	-6.351	17.887	-0.834000
HETATM16720	H1	WAT	4470	24.496	-5.954	18.501	0.417000
HETATM16721	H2	WAT	4470	24.561	-6.831	17.270	0.417000
HETATM16722	O	WAT	4471	21.640	4.042	-12.976	-0.834000
HETATM16723	H1	WAT	4471	22.566	3.808	-13.041	0.417000
HETATM16724	H2	WAT	4471	21.442	4.470	-13.809	0.417000
HETATM16725	O	WAT	4472	-5.734	9.804	26.396	-0.834000
HETATM16726	H1	WAT	4472	-4.966	9.244	26.508	0.417000
HETATM16727	H2	WAT	4472	-5.374	10.681	26.265	0.417000

HETATM16728	O	WAT	4473	29.142	11.113	-15.711	-0.834000
HETATM16729	H1	WAT	4473	28.927	12.041	-15.801	0.417000
HETATM16730	H2	WAT	4473	30.019	11.106	-15.327	0.417000
HETATM16731	O	WAT	4474	13.869	-24.266	-16.951	-0.834000
HETATM16732	H1	WAT	4474	14.538	-24.389	-16.278	0.417000
HETATM16733	H2	WAT	4474	14.094	-24.900	-17.631	0.417000
HETATM16734	O	WAT	4475	-29.743	-3.774	4.995	-0.834000
HETATM16735	H1	WAT	4475	-28.935	-3.955	5.475	0.417000
HETATM16736	H2	WAT	4475	-29.977	-4.611	4.595	0.417000
HETATM16737	O	WAT	4476	-14.040	-29.512	4.777	-0.834000
HETATM16738	H1	WAT	4476	-14.169	-30.068	4.009	0.417000
HETATM16739	H2	WAT	4476	-14.919	-29.215	5.009	0.417000
HETATM16740	O	WAT	4477	20.564	-14.746	14.057	-0.834000
HETATM16741	H1	WAT	4477	19.837	-15.100	14.568	0.417000
HETATM16742	H2	WAT	4477	20.998	-15.517	13.692	0.417000
HETATM16743	O	WAT	4478	26.912	6.078	-19.171	-0.834000
HETATM16744	H1	WAT	4478	26.776	5.928	-20.106	0.417000
HETATM16745	H2	WAT	4478	27.696	6.626	-19.128	0.417000
HETATM16746	O	WAT	4479	9.372	28.873	13.515	-0.834000
HETATM16747	H1	WAT	4479	9.289	29.542	14.194	0.417000
HETATM16748	H2	WAT	4479	8.959	29.262	12.744	0.417000
HETATM16749	O	WAT	4480	-20.770	-25.908	-4.737	-0.834000
HETATM16750	H1	WAT	4480	-21.252	-26.684	-4.454	0.417000
HETATM16751	H2	WAT	4480	-20.452	-25.514	-3.925	0.417000
HETATM16752	O	WAT	4481	-14.028	5.978	-11.030	-0.834000
HETATM16753	H1	WAT	4481	-13.164	6.099	-10.636	0.417000
HETATM16754	H2	WAT	4481	-13.881	5.357	-11.743	0.417000
HETATM16755	O	WAT	4482	2.059	32.579	11.142	-0.834000
HETATM16756	H1	WAT	4482	1.243	32.749	11.612	0.417000
HETATM16757	H2	WAT	4482	2.336	33.438	10.824	0.417000
HETATM16758	O	WAT	4483	-19.628	-25.419	9.205	-0.834000
HETATM16759	H1	WAT	4483	-19.076	-25.128	8.479	0.417000
HETATM16760	H2	WAT	4483	-20.481	-25.586	8.805	0.417000
HETATM16761	O	WAT	4484	-13.837	0.554	-18.291	-0.834000
HETATM16762	H1	WAT	4484	-12.895	0.547	-18.120	0.417000
HETATM16763	H2	WAT	4484	-14.102	1.461	-18.137	0.417000
HETATM16764	O	WAT	4485	-3.761	-23.941	12.800	-0.834000
HETATM16765	H1	WAT	4485	-3.895	-24.459	12.006	0.417000
HETATM16766	H2	WAT	4485	-4.128	-23.082	12.591	0.417000
HETATM16767	O	WAT	4486	20.917	-2.782	-0.694	-0.834000
HETATM16768	H1	WAT	4486	20.877	-2.223	0.082	0.417000
HETATM16769	H2	WAT	4486	20.113	-3.300	-0.659	0.417000
HETATM16770	O	WAT	4487	25.697	9.470	19.770	-0.834000
HETATM16771	H1	WAT	4487	25.308	10.327	19.946	0.417000
HETATM16772	H2	WAT	4487	26.597	9.546	20.087	0.417000
HETATM16773	O	WAT	4488	-23.390	-4.977	-25.792	-0.834000
HETATM16774	H1	WAT	4488	-23.171	-5.849	-25.464	0.417000
HETATM16775	H2	WAT	4488	-22.613	-4.450	-25.609	0.417000
HETATM16776	O	WAT	4489	24.124	-1.295	-21.693	-0.834000
HETATM16777	H1	WAT	4489	24.681	-1.469	-22.452	0.417000
HETATM16778	H2	WAT	4489	24.421	-0.445	-21.369	0.417000
HETATM16779	O	WAT	4490	19.152	-19.522	11.931	-0.834000
HETATM16780	H1	WAT	4490	18.878	-19.145	12.767	0.417000
HETATM16781	H2	WAT	4490	19.823	-20.162	12.166	0.417000
HETATM16782	O	WAT	4491	-26.107	2.065	16.145	-0.834000
HETATM16783	H1	WAT	4491	-26.637	2.508	15.483	0.417000
HETATM16784	H2	WAT	4491	-25.951	2.732	16.814	0.417000
HETATM16785	O	WAT	4492	-10.739	-29.691	-3.871	-0.834000
HETATM16786	H1	WAT	4492	-9.889	-30.125	-3.809	0.417000
HETATM16787	H2	WAT	4492	-10.530	-28.758	-3.913	0.417000
HETATM16788	O	WAT	4493	25.739	-12.443	12.509	-0.834000
HETATM16789	H1	WAT	4493	25.517	-11.707	11.939	0.417000
HETATM16790	H2	WAT	4493	25.386	-12.198	13.364	0.417000
HETATM16791	O	WAT	4494	9.396	5.784	-21.100	-0.834000
HETATM16792	H1	WAT	4494	10.353	5.821	-21.096	0.417000
HETATM16793	H2	WAT	4494	9.189	5.011	-21.626	0.417000
HETATM16794	O	WAT	4495	1.887	-9.138	19.538	-0.834000
HETATM16795	H1	WAT	4495	2.441	-8.584	20.088	0.417000
HETATM16796	H2	WAT	4495	2.319	-9.137	18.684	0.417000
HETATM16797	O	WAT	4496	25.933	-8.210	-5.078	-0.834000

HETATM16798	H1	WAT	4496	26.082	-9.097	-4.752	0.417000
HETATM16799	H2	WAT	4496	26.024	-8.285	-6.028	0.417000
HETATM16800	O	WAT	4497	6.166	16.588	-10.350	-0.834000
HETATM16801	H1	WAT	4497	5.263	16.745	-10.626	0.417000
HETATM16802	H2	WAT	4497	6.482	15.905	-10.942	0.417000
HETATM16803	O	WAT	4498	-26.560	-14.852	-13.540	-0.834000
HETATM16804	H1	WAT	4498	-26.957	-14.303	-14.216	0.417000
HETATM16805	H2	WAT	4498	-27.241	-14.940	-12.872	0.417000
HETATM16806	O	WAT	4499	20.908	-23.469	14.424	-0.834000
HETATM16807	H1	WAT	4499	20.864	-24.379	14.130	0.417000
HETATM16808	H2	WAT	4499	21.781	-23.383	14.808	0.417000
HETATM16809	O	WAT	4500	7.437	-7.712	-31.751	-0.834000
HETATM16810	H1	WAT	4500	7.442	-7.035	-31.074	0.417000
HETATM16811	H2	WAT	4500	7.927	-7.327	-32.478	0.417000
HETATM16812	O	WAT	4501	-18.231	15.494	-16.417	-0.834000
HETATM16813	H1	WAT	4501	-17.603	14.859	-16.761	0.417000
HETATM16814	H2	WAT	4501	-18.256	15.320	-15.476	0.417000
HETATM16815	O	WAT	4502	-5.253	-14.223	-24.207	-0.834000
HETATM16816	H1	WAT	4502	-5.043	-14.731	-23.423	0.417000
HETATM16817	H2	WAT	4502	-4.977	-14.781	-24.934	0.417000
HETATM16818	O	WAT	4503	-18.282	24.484	-8.842	-0.834000
HETATM16819	H1	WAT	4503	-18.739	23.746	-8.439	0.417000
HETATM16820	H2	WAT	4503	-18.855	25.235	-8.686	0.417000
HETATM16821	O	WAT	4504	-17.652	19.042	-5.167	-0.834000
HETATM16822	H1	WAT	4504	-16.994	18.869	-4.494	0.417000
HETATM16823	H2	WAT	4504	-18.479	18.772	-4.768	0.417000
HETATM16824	O	WAT	4505	9.173	6.734	-18.539	-0.834000
HETATM16825	H1	WAT	4505	9.277	6.482	-19.457	0.417000
HETATM16826	H2	WAT	4505	9.945	7.267	-18.348	0.417000
HETATM16827	O	WAT	4506	-4.759	25.391	13.199	-0.834000
HETATM16828	H1	WAT	4506	-5.345	24.963	13.825	0.417000
HETATM16829	H2	WAT	4506	-5.214	26.198	12.959	0.417000
HETATM16830	O	WAT	4507	-27.679	-0.171	1.688	-0.834000
HETATM16831	H1	WAT	4507	-27.668	-1.094	1.435	0.417000
HETATM16832	H2	WAT	4507	-28.024	-0.172	2.581	0.417000
HETATM16833	O	WAT	4508	-14.665	-3.641	-31.299	-0.834000
HETATM16834	H1	WAT	4508	-14.143	-4.443	-31.307	0.417000
HETATM16835	H2	WAT	4508	-14.414	-3.183	-32.101	0.417000
HETATM16836	O	WAT	4509	-5.781	0.829	29.436	-0.834000
HETATM16837	H1	WAT	4509	-6.700	1.089	29.500	0.417000
HETATM16838	H2	WAT	4509	-5.736	0.299	28.640	0.417000
HETATM16839	O	WAT	4510	24.603	4.990	-4.417	-0.834000
HETATM16840	H1	WAT	4510	23.697	5.252	-4.580	0.417000
HETATM16841	H2	WAT	4510	25.015	5.002	-5.282	0.417000
HETATM16842	O	WAT	4511	20.178	-2.627	-24.189	-0.834000
HETATM16843	H1	WAT	4511	19.392	-2.107	-24.359	0.417000
HETATM16844	H2	WAT	4511	20.692	-2.092	-23.584	0.417000
HETATM16845	O	WAT	4512	-5.018	-3.534	-29.716	-0.834000
HETATM16846	H1	WAT	4512	-5.527	-4.291	-29.426	0.417000
HETATM16847	H2	WAT	4512	-4.175	-3.629	-29.273	0.417000
HETATM16848	O	WAT	4513	-6.740	-17.225	-22.525	-0.834000
HETATM16849	H1	WAT	4513	-6.269	-18.029	-22.746	0.417000
HETATM16850	H2	WAT	4513	-7.601	-17.334	-22.928	0.417000
HETATM16851	O	WAT	4514	29.944	13.652	11.970	-0.834000
HETATM16852	H1	WAT	4514	29.303	13.619	12.680	0.417000
HETATM16853	H2	WAT	4514	30.546	14.351	12.224	0.417000
HETATM16854	O	WAT	4515	-23.600	-22.057	-9.370	-0.834000
HETATM16855	H1	WAT	4515	-23.940	-22.435	-8.559	0.417000
HETATM16856	H2	WAT	4515	-23.046	-21.331	-9.082	0.417000
HETATM16857	O	WAT	4516	20.015	-9.604	7.579	-0.834000
HETATM16858	H1	WAT	4516	19.977	-9.432	8.520	0.417000
HETATM16859	H2	WAT	4516	19.228	-10.117	7.397	0.417000
HETATM16860	O	WAT	4517	-16.926	10.251	20.210	-0.834000
HETATM16861	H1	WAT	4517	-16.807	10.301	19.262	0.417000
HETATM16862	H2	WAT	4517	-17.873	10.316	20.337	0.417000
HETATM16863	O	WAT	4518	-27.383	13.636	-1.857	-0.834000
HETATM16864	H1	WAT	4518	-28.216	14.108	-1.873	0.417000
HETATM16865	H2	WAT	4518	-27.622	12.739	-1.623	0.417000
HETATM16866	O	WAT	4519	30.091	7.609	14.651	-0.834000
HETATM16867	H1	WAT	4519	30.450	7.110	13.917	0.417000

HETATM16868	H2	WAT	4519	29.183	7.782	14.402	0.417000
HETATM16869	O	WAT	4520	-17.325	-1.915	23.546	-0.834000
HETATM16870	H1	WAT	4520	-17.097	-2.134	24.449	0.417000
HETATM16871	H2	WAT	4520	-16.921	-2.606	23.022	0.417000
HETATM16872	O	WAT	4521	15.719	7.053	-19.424	-0.834000
HETATM16873	H1	WAT	4521	14.811	7.348	-19.481	0.417000
HETATM16874	H2	WAT	4521	15.965	7.208	-18.512	0.417000
HETATM16875	O	WAT	4522	-3.626	-27.598	-12.883	-0.834000
HETATM16876	H1	WAT	4522	-4.252	-26.874	-12.861	0.417000
HETATM16877	H2	WAT	4522	-3.685	-27.939	-13.776	0.417000
HETATM16878	O	WAT	4523	24.821	4.306	8.962	-0.834000
HETATM16879	H1	WAT	4523	24.003	4.466	8.492	0.417000
HETATM16880	H2	WAT	4523	24.849	4.989	9.632	0.417000
HETATM16881	O	WAT	4524	-7.436	12.552	-16.165	-0.834000
HETATM16882	H1	WAT	4524	-8.280	12.974	-16.330	0.417000
HETATM16883	H2	WAT	4524	-6.792	13.143	-16.556	0.417000
HETATM16884	O	WAT	4525	-10.449	3.359	-14.434	-0.834000
HETATM16885	H1	WAT	4525	-11.009	2.709	-14.859	0.417000
HETATM16886	H2	WAT	4525	-10.795	3.426	-13.543	0.417000
HETATM16887	O	WAT	4526	12.600	25.274	14.022	-0.834000
HETATM16888	H1	WAT	4526	12.233	25.986	13.499	0.417000
HETATM16889	H2	WAT	4526	13.117	24.762	13.401	0.417000
HETATM16890	O	WAT	4527	-19.129	0.082	-3.151	-0.834000
HETATM16891	H1	WAT	4527	-19.143	-0.629	-2.510	0.417000
HETATM16892	H2	WAT	4527	-18.293	-0.021	-3.604	0.417000
HETATM16893	O	WAT	4528	-21.266	14.186	-13.057	-0.834000
HETATM16894	H1	WAT	4528	-21.659	14.768	-12.406	0.417000
HETATM16895	H2	WAT	4528	-21.909	14.149	-13.765	0.417000
HETATM16896	O	WAT	4529	-11.970	-12.566	-28.368	-0.834000
HETATM16897	H1	WAT	4529	-11.065	-12.337	-28.581	0.417000
HETATM16898	H2	WAT	4529	-12.279	-11.843	-27.823	0.417000
HETATM16899	O	WAT	4530	-3.514	-8.705	-26.899	-0.834000
HETATM16900	H1	WAT	4530	-3.890	-9.496	-27.286	0.417000
HETATM16901	H2	WAT	4530	-3.372	-8.932	-25.980	0.417000
HETATM16902	O	WAT	4531	16.551	-22.694	-13.187	-0.834000
HETATM16903	H1	WAT	4531	16.055	-21.879	-13.251	0.417000
HETATM16904	H2	WAT	4531	17.463	-22.414	-13.105	0.417000
HETATM16905	O	WAT	4532	15.617	11.345	-20.840	-0.834000
HETATM16906	H1	WAT	4532	16.181	10.573	-20.889	0.417000
HETATM16907	H2	WAT	4532	14.728	10.992	-20.837	0.417000
HETATM16908	O	WAT	4533	18.704	-22.706	15.889	-0.834000
HETATM16909	H1	WAT	4533	18.087	-23.427	15.763	0.417000
HETATM16910	H2	WAT	4533	19.470	-22.952	15.370	0.417000
HETATM16911	O	WAT	4534	-25.929	-8.995	-12.824	-0.834000
HETATM16912	H1	WAT	4534	-26.835	-9.132	-12.546	0.417000
HETATM16913	H2	WAT	4534	-25.483	-8.678	-12.039	0.417000
HETATM16914	O	WAT	4535	9.899	-2.615	-26.397	-0.834000
HETATM16915	H1	WAT	4535	10.024	-3.560	-26.313	0.417000
HETATM16916	H2	WAT	4535	10.686	-2.234	-26.008	0.417000
HETATM16917	O	WAT	4536	-18.726	-4.117	-21.559	-0.834000
HETATM16918	H1	WAT	4536	-18.564	-3.220	-21.852	0.417000
HETATM16919	H2	WAT	4536	-17.857	-4.464	-21.357	0.417000
HETATM16920	O	WAT	4537	13.389	-8.139	-27.402	-0.834000
HETATM16921	H1	WAT	4537	13.206	-7.393	-27.973	0.417000
HETATM16922	H2	WAT	4537	12.558	-8.613	-27.353	0.417000
HETATM16923	O	WAT	4538	-26.382	1.963	21.436	-0.834000
HETATM16924	H1	WAT	4538	-25.604	1.587	21.025	0.417000
HETATM16925	H2	WAT	4538	-26.961	2.175	20.703	0.417000
HETATM16926	O	WAT	4539	-10.764	-16.121	-23.033	-0.834000
HETATM16927	H1	WAT	4539	-10.701	-15.511	-23.768	0.417000
HETATM16928	H2	WAT	4539	-10.183	-16.843	-23.271	0.417000
HETATM16929	O	WAT	4540	24.175	10.765	8.301	-0.834000
HETATM16930	H1	WAT	4540	23.595	10.673	9.057	0.417000
HETATM16931	H2	WAT	4540	23.593	11.005	7.580	0.417000
HETATM16932	O	WAT	4541	33.233	3.316	4.262	-0.834000
HETATM16933	H1	WAT	4541	33.504	3.494	5.163	0.417000
HETATM16934	H2	WAT	4541	34.025	2.991	3.834	0.417000
HETATM16935	O	WAT	4542	-28.208	0.594	9.533	-0.834000
HETATM16936	H1	WAT	4542	-28.244	1.239	8.827	0.417000
HETATM16937	H2	WAT	4542	-28.958	0.021	9.373	0.417000

HETATM16938	O	WAT	4543	6.975	15.475	-20.114	-0.834000
HETATM16939	H1	WAT	4543	7.039	16.355	-19.743	0.417000
HETATM16940	H2	WAT	4543	7.785	15.366	-20.612	0.417000
HETATM16941	O	WAT	4544	-22.907	6.319	3.025	-0.834000
HETATM16942	H1	WAT	4544	-22.001	6.164	3.293	0.417000
HETATM16943	H2	WAT	4544	-22.963	5.946	2.145	0.417000
HETATM16944	O	WAT	4545	26.931	-0.048	11.511	-0.834000
HETATM16945	H1	WAT	4545	25.979	-0.073	11.599	0.417000
HETATM16946	H2	WAT	4545	27.147	-0.836	11.012	0.417000
HETATM16947	O	WAT	4546	0.296	-24.356	-6.795	-0.834000
HETATM16948	H1	WAT	4546	-0.655	-24.347	-6.684	0.417000
HETATM16949	H2	WAT	4546	0.641	-24.242	-5.910	0.417000
HETATM16950	O	WAT	4547	-0.350	18.179	-23.692	-0.834000
HETATM16951	H1	WAT	4547	0.100	19.022	-23.636	0.417000
HETATM16952	H2	WAT	4547	-0.889	18.143	-22.902	0.417000
HETATM16953	O	WAT	4548	-2.479	27.074	1.677	-0.834000
HETATM16954	H1	WAT	4548	-2.052	27.703	2.258	0.417000
HETATM16955	H2	WAT	4548	-2.994	26.518	2.261	0.417000
HETATM16956	O	WAT	4549	15.976	27.594	6.013	-0.834000
HETATM16957	H1	WAT	4549	15.776	28.458	6.373	0.417000
HETATM16958	H2	WAT	4549	15.134	27.140	5.997	0.417000
HETATM16959	O	WAT	4550	25.258	-11.760	-14.221	-0.834000
HETATM16960	H1	WAT	4550	26.016	-11.734	-14.805	0.417000
HETATM16961	H2	WAT	4550	24.584	-11.259	-14.681	0.417000
HETATM16962	O	WAT	4551	21.735	12.518	-21.404	-0.834000
HETATM16963	H1	WAT	4551	22.001	11.749	-20.900	0.417000
HETATM16964	H2	WAT	4551	20.874	12.747	-21.054	0.417000
HETATM16965	O	WAT	4552	0.851	-3.553	27.844	-0.834000
HETATM16966	H1	WAT	4552	1.682	-4.021	27.764	0.417000
HETATM16967	H2	WAT	4552	0.461	-3.605	26.971	0.417000
HETATM16968	O	WAT	4553	0.324	-5.634	17.578	-0.834000
HETATM16969	H1	WAT	4553	-0.288	-5.390	18.272	0.417000
HETATM16970	H2	WAT	4553	1.110	-5.924	18.043	0.417000
HETATM16971	O	WAT	4554	21.359	22.143	-6.350	-0.834000
HETATM16972	H1	WAT	4554	20.929	22.159	-5.495	0.417000
HETATM16973	H2	WAT	4554	20.721	21.726	-6.930	0.417000
HETATM16974	O	WAT	4555	12.384	-27.077	1.372	-0.834000
HETATM16975	H1	WAT	4555	12.261	-27.954	1.735	0.417000
HETATM16976	H2	WAT	4555	11.536	-26.649	1.488	0.417000
HETATM16977	O	WAT	4556	-2.236	10.589	23.960	-0.834000
HETATM16978	H1	WAT	4556	-1.782	10.925	24.733	0.417000
HETATM16979	H2	WAT	4556	-2.828	11.297	23.704	0.417000
HETATM16980	O	WAT	4557	-19.805	24.385	13.492	-0.834000
HETATM16981	H1	WAT	4557	-19.692	24.853	12.664	0.417000
HETATM16982	H2	WAT	4557	-19.404	24.957	14.146	0.417000
HETATM16983	O	WAT	4558	-24.527	10.690	16.683	-0.834000
HETATM16984	H1	WAT	4558	-24.173	10.660	17.572	0.417000
HETATM16985	H2	WAT	4558	-24.837	11.589	16.579	0.417000
HETATM16986	O	WAT	4559	-13.966	-21.254	-22.856	-0.834000
HETATM16987	H1	WAT	4559	-13.159	-20.746	-22.775	0.417000
HETATM16988	H2	WAT	4559	-13.857	-21.977	-22.239	0.417000
HETATM16989	O	WAT	4560	-23.016	5.094	-11.511	-0.834000
HETATM16990	H1	WAT	4560	-23.475	5.842	-11.893	0.417000
HETATM16991	H2	WAT	4560	-23.686	4.634	-11.006	0.417000
HETATM16992	O	WAT	4561	17.805	16.810	-3.785	-0.834000
HETATM16993	H1	WAT	4561	17.704	16.700	-2.840	0.417000
HETATM16994	H2	WAT	4561	17.563	17.721	-3.948	0.417000
HETATM16995	O	WAT	4562	9.278	-26.462	6.615	-0.834000
HETATM16996	H1	WAT	4562	9.681	-27.078	7.227	0.417000
HETATM16997	H2	WAT	4562	8.725	-25.906	7.164	0.417000
HETATM16998	O	WAT	4563	-19.587	-1.844	-1.239	-0.834000
HETATM16999	H1	WAT	4563	-20.438	-2.038	-1.631	0.417000
HETATM17000	H2	WAT	4563	-19.785	-1.640	-0.325	0.417000
HETATM17001	O	WAT	4564	11.899	-18.856	-26.858	-0.834000
HETATM17002	H1	WAT	4564	11.284	-19.378	-27.373	0.417000
HETATM17003	H2	WAT	4564	11.404	-18.600	-26.080	0.417000
HETATM17004	O	WAT	4565	-31.053	4.584	0.197	-0.834000
HETATM17005	H1	WAT	4565	-30.386	4.829	0.839	0.417000
HETATM17006	H2	WAT	4565	-31.703	4.095	0.702	0.417000
HETATM17007	O	WAT	4566	13.782	17.881	-9.944	-0.834000

HETATM17008	H1	WAT	4566	13.472	16.980	-9.861	0.417000
HETATM17009	H2	WAT	4566	13.003	18.381	-10.187	0.417000
HETATM17010	O	WAT	4567	-7.597	-31.470	2.722	-0.834000
HETATM17011	H1	WAT	4567	-8.167	-32.235	2.800	0.417000
HETATM17012	H2	WAT	4567	-8.193	-30.746	2.526	0.417000
HETATM17013	O	WAT	4568	-2.453	-14.034	13.131	-0.834000
HETATM17014	H1	WAT	4568	-2.937	-14.658	12.590	0.417000
HETATM17015	H2	WAT	4568	-2.484	-13.214	12.638	0.417000
HETATM17016	O	WAT	4569	11.944	15.440	16.674	-0.834000
HETATM17017	H1	WAT	4569	11.805	16.336	16.368	0.417000
HETATM17018	H2	WAT	4569	11.174	14.960	16.369	0.417000
HETATM17019	O	WAT	4570	4.457	-22.836	24.118	-0.834000
HETATM17020	H1	WAT	4570	4.979	-23.431	23.579	0.417000
HETATM17021	H2	WAT	4570	4.789	-21.965	23.902	0.417000
HETATM17022	O	WAT	4571	27.089	-1.194	18.562	-0.834000
HETATM17023	H1	WAT	4571	26.182	-1.200	18.257	0.417000
HETATM17024	H2	WAT	4571	27.514	-1.892	18.064	0.417000
HETATM17025	O	WAT	4572	3.940	4.912	-34.721	-0.834000
HETATM17026	H1	WAT	4572	3.597	4.287	-34.083	0.417000
HETATM17027	H2	WAT	4572	4.559	4.404	-35.245	0.417000
HETATM17028	O	WAT	4573	21.536	-15.764	-1.718	-0.834000
HETATM17029	H1	WAT	4573	21.361	-16.604	-2.143	0.417000
HETATM17030	H2	WAT	4573	21.011	-15.786	-0.918	0.417000
HETATM17031	O	WAT	4574	-13.948	-17.906	-15.120	-0.834000
HETATM17032	H1	WAT	4574	-14.728	-18.368	-15.426	0.417000
HETATM17033	H2	WAT	4574	-13.519	-18.526	-14.529	0.417000
HETATM17034	O	WAT	4575	-13.338	18.226	-0.154	-0.834000
HETATM17035	H1	WAT	4575	-12.827	18.037	-0.941	0.417000
HETATM17036	H2	WAT	4575	-12.850	18.922	0.287	0.417000
HETATM17037	O	WAT	4576	-15.414	19.367	24.109	-0.834000
HETATM17038	H1	WAT	4576	-14.810	18.695	24.422	0.417000
HETATM17039	H2	WAT	4576	-16.070	18.884	23.606	0.417000
HETATM17040	O	WAT	4577	-17.590	9.194	-17.054	-0.834000
HETATM17041	H1	WAT	4577	-17.841	9.019	-16.147	0.417000
HETATM17042	H2	WAT	4577	-16.895	8.561	-17.236	0.417000
HETATM17043	O	WAT	4578	26.098	-12.046	3.617	-0.834000
HETATM17044	H1	WAT	4578	25.316	-11.580	3.913	0.417000
HETATM17045	H2	WAT	4578	26.009	-12.924	3.988	0.417000
HETATM17046	O	WAT	4579	3.336	24.748	-19.646	-0.834000
HETATM17047	H1	WAT	4579	3.161	25.484	-20.232	0.417000
HETATM17048	H2	WAT	4579	4.247	24.512	-19.823	0.417000
HETATM17049	O	WAT	4580	-16.263	-2.271	-26.559	-0.834000
HETATM17050	H1	WAT	4580	-15.414	-2.574	-26.882	0.417000
HETATM17051	H2	WAT	4580	-16.336	-2.652	-25.684	0.417000
HETATM17052	O	WAT	4581	6.708	25.291	22.562	-0.834000
HETATM17053	H1	WAT	4581	7.489	25.420	22.024	0.417000
HETATM17054	H2	WAT	4581	6.371	26.175	22.710	0.417000
HETATM17055	O	WAT	4582	-0.500	25.990	-15.395	-0.834000
HETATM17056	H1	WAT	4582	0.230	25.728	-14.835	0.417000
HETATM17057	H2	WAT	4582	-0.102	26.552	-16.060	0.417000
HETATM17058	O	WAT	4583	5.915	13.049	-15.908	-0.834000
HETATM17059	H1	WAT	4583	6.313	13.846	-15.559	0.417000
HETATM17060	H2	WAT	4583	5.962	13.154	-16.858	0.417000
HETATM17061	O	WAT	4584	-18.306	15.804	-7.361	-0.834000
HETATM17062	H1	WAT	4584	-17.729	16.555	-7.501	0.417000
HETATM17063	H2	WAT	4584	-17.745	15.145	-6.953	0.417000
HETATM17064	O	WAT	4585	0.029	-19.498	3.748	-0.834000
HETATM17065	H1	WAT	4585	0.977	-19.593	3.835	0.417000
HETATM17066	H2	WAT	4585	-0.149	-18.601	4.032	0.417000
HETATM17067	O	WAT	4586	-15.938	-0.127	25.799	-0.834000
HETATM17068	H1	WAT	4586	-16.032	-1.070	25.939	0.417000
HETATM17069	H2	WAT	4586	-16.816	0.225	25.944	0.417000
HETATM17070	O	WAT	4587	14.131	17.499	-18.098	-0.834000
HETATM17071	H1	WAT	4587	13.779	18.330	-17.777	0.417000
HETATM17072	H2	WAT	4587	13.858	17.462	-19.014	0.417000
HETATM17073	O	WAT	4588	-22.213	-25.644	7.618	-0.834000
HETATM17074	H1	WAT	4588	-22.422	-24.716	7.514	0.417000
HETATM17075	H2	WAT	4588	-22.830	-26.095	7.041	0.417000
HETATM17076	O	WAT	4589	-18.310	9.086	-14.394	-0.834000
HETATM17077	H1	WAT	4589	-18.153	10.013	-14.217	0.417000

HETATM17078	H2	WAT	4589	-18.181	8.656	-13.549	0.417000
HETATM17079	O	WAT	4590	13.233	20.840	20.269	-0.834000
HETATM17080	H1	WAT	4590	13.238	21.493	20.968	0.417000
HETATM17081	H2	WAT	4590	13.915	20.216	20.519	0.417000
HETATM17082	O	WAT	4591	32.010	-1.130	5.582	-0.834000
HETATM17083	H1	WAT	4591	31.817	-0.278	5.191	0.417000
HETATM17084	H2	WAT	4591	31.216	-1.358	6.065	0.417000
HETATM17085	O	WAT	4592	20.074	-4.878	-22.632	-0.834000
HETATM17086	H1	WAT	4592	20.107	-4.137	-23.237	0.417000
HETATM17087	H2	WAT	4592	20.991	-5.079	-22.448	0.417000
HETATM17088	O	WAT	4593	-19.244	25.964	-1.275	-0.834000
HETATM17089	H1	WAT	4593	-18.435	26.462	-1.397	0.417000
HETATM17090	H2	WAT	4593	-19.240	25.322	-1.985	0.417000
HETATM17091	O	WAT	4594	8.821	-19.299	-22.840	-0.834000
HETATM17092	H1	WAT	4594	8.136	-19.162	-23.494	0.417000
HETATM17093	H2	WAT	4594	8.408	-19.066	-22.008	0.417000
HETATM17094	O	WAT	4595	-22.955	13.742	8.510	-0.834000
HETATM17095	H1	WAT	4595	-22.952	13.684	7.555	0.417000
HETATM17096	H2	WAT	4595	-22.157	13.288	8.780	0.417000
HETATM17097	O	WAT	4596	-15.127	-12.609	-5.720	-0.834000
HETATM17098	H1	WAT	4596	-14.676	-13.378	-5.372	0.417000
HETATM17099	H2	WAT	4596	-15.023	-11.943	-5.041	0.417000
HETATM17100	O	WAT	4597	-14.681	-9.020	-16.952	-0.834000
HETATM17101	H1	WAT	4597	-13.948	-9.363	-16.441	0.417000
HETATM17102	H2	WAT	4597	-14.948	-9.751	-17.509	0.417000
HETATM17103	O	WAT	4598	-23.734	20.658	-7.497	-0.834000
HETATM17104	H1	WAT	4598	-23.107	20.824	-6.793	0.417000
HETATM17105	H2	WAT	4598	-23.601	21.379	-8.112	0.417000
HETATM17106	O	WAT	4599	-25.571	-1.843	-23.141	-0.834000
HETATM17107	H1	WAT	4599	-24.987	-2.387	-22.612	0.417000
HETATM17108	H2	WAT	4599	-25.367	-2.081	-24.045	0.417000
HETATM17109	O	WAT	4600	13.677	-23.740	-7.799	-0.834000
HETATM17110	H1	WAT	4600	13.543	-23.765	-8.746	0.417000
HETATM17111	H2	WAT	4600	12.879	-23.340	-7.454	0.417000
HETATM17112	O	WAT	4601	5.445	-24.771	22.198	-0.834000
HETATM17113	H1	WAT	4601	4.492	-24.829	22.271	0.417000
HETATM17114	H2	WAT	4601	5.707	-25.608	21.813	0.417000
HETATM17115	O	WAT	4602	15.154	-2.019	25.648	-0.834000
HETATM17116	H1	WAT	4602	14.647	-2.223	24.862	0.417000
HETATM17117	H2	WAT	4602	16.066	-2.053	25.360	0.417000
HETATM17118	O	WAT	4603	-24.997	5.379	-23.915	-0.834000
HETATM17119	H1	WAT	4603	-24.235	5.863	-24.233	0.417000
HETATM17120	H2	WAT	4603	-25.183	5.761	-23.057	0.417000
HETATM17121	O	WAT	4604	-4.583	13.845	-28.774	-0.834000
HETATM17122	H1	WAT	4604	-4.760	13.824	-27.833	0.417000
HETATM17123	H2	WAT	4604	-5.018	14.640	-29.082	0.417000
HETATM17124	O	WAT	4605	-17.551	-14.997	-1.426	-0.834000
HETATM17125	H1	WAT	4605	-17.882	-15.392	-0.619	0.417000
HETATM17126	H2	WAT	4605	-18.337	-14.715	-1.894	0.417000
HETATM17127	O	WAT	4606	1.893	-25.251	6.625	-0.834000
HETATM17128	H1	WAT	4606	2.080	-24.884	7.489	0.417000
HETATM17129	H2	WAT	4606	1.272	-25.958	6.794	0.417000
HETATM17130	O	WAT	4607	-7.061	7.130	-20.296	-0.834000
HETATM17131	H1	WAT	4607	-7.870	7.640	-20.265	0.417000
HETATM17132	H2	WAT	4607	-7.126	6.532	-19.552	0.417000
HETATM17133	O	WAT	4608	-16.720	-17.696	22.994	-0.834000
HETATM17134	H1	WAT	4608	-16.981	-18.585	23.233	0.417000
HETATM17135	H2	WAT	4608	-17.292	-17.466	22.262	0.417000
HETATM17136	O	WAT	4609	9.782	-23.050	7.845	-0.834000
HETATM17137	H1	WAT	4609	9.105	-23.715	7.973	0.417000
HETATM17138	H2	WAT	4609	9.976	-22.734	8.728	0.417000
HETATM17139	O	WAT	4610	19.335	25.956	-1.879	-0.834000
HETATM17140	H1	WAT	4610	19.701	26.834	-1.772	0.417000
HETATM17141	H2	WAT	4610	19.092	25.688	-0.993	0.417000
HETATM17142	O	WAT	4611	31.235	-4.045	13.513	-0.834000
HETATM17143	H1	WAT	4611	31.722	-4.379	14.266	0.417000
HETATM17144	H2	WAT	4611	30.539	-4.687	13.373	0.417000
HETATM17145	O	WAT	4612	0.206	8.661	-12.197	-0.834000
HETATM17146	H1	WAT	4612	0.517	7.925	-12.725	0.417000
HETATM17147	H2	WAT	4612	-0.668	8.849	-12.540	0.417000

HETATM17148	O	WAT	4613	-17.857	-20.272	-0.738	-0.834000
HETATM17149	H1	WAT	4613	-18.183	-20.741	0.030	0.417000
HETATM17150	H2	WAT	4613	-18.436	-19.514	-0.820	0.417000
HETATM17151	O	WAT	4614	-5.806	-27.099	2.429	-0.834000
HETATM17152	H1	WAT	4614	-6.368	-27.425	1.726	0.417000
HETATM17153	H2	WAT	4614	-4.916	-27.282	2.128	0.417000
HETATM17154	O	WAT	4615	10.612	17.576	-29.401	-0.834000
HETATM17155	H1	WAT	4615	10.318	17.132	-28.605	0.417000
HETATM17156	H2	WAT	4615	9.806	17.871	-29.823	0.417000
HETATM17157	O	WAT	4616	17.402	25.396	7.071	-0.834000
HETATM17158	H1	WAT	4616	16.944	26.141	6.682	0.417000
HETATM17159	H2	WAT	4616	18.245	25.752	7.350	0.417000
HETATM17160	O	WAT	4617	-18.877	-21.391	1.548	-0.834000
HETATM17161	H1	WAT	4617	-19.184	-20.726	2.165	0.417000
HETATM17162	H2	WAT	4617	-18.429	-22.036	2.095	0.417000
HETATM17163	O	WAT	4618	6.533	-9.153	16.757	-0.834000
HETATM17164	H1	WAT	4618	6.992	-9.470	17.534	0.417000
HETATM17165	H2	WAT	4618	7.189	-8.640	16.284	0.417000
HETATM17166	O	WAT	4619	13.321	15.219	-16.825	-0.834000
HETATM17167	H1	WAT	4619	12.527	14.868	-17.228	0.417000
HETATM17168	H2	WAT	4619	13.492	16.032	-17.302	0.417000
HETATM17169	O	WAT	4620	-16.051	-19.795	-7.856	-0.834000
HETATM17170	H1	WAT	4620	-16.865	-19.300	-7.766	0.417000
HETATM17171	H2	WAT	4620	-15.576	-19.349	-8.557	0.417000
HETATM17172	O	WAT	4621	26.428	-10.731	-0.573	-0.834000
HETATM17173	H1	WAT	4621	26.816	-9.932	-0.929	0.417000
HETATM17174	H2	WAT	4621	25.594	-10.446	-0.199	0.417000
HETATM17175	O	WAT	4622	-21.139	4.548	-13.508	-0.834000
HETATM17176	H1	WAT	4622	-20.336	4.606	-12.991	0.417000
HETATM17177	H2	WAT	4622	-21.844	4.610	-12.862	0.417000
HETATM17178	O	WAT	4623	6.386	11.757	-20.823	-0.834000
HETATM17179	H1	WAT	4623	6.425	12.311	-21.602	0.417000
HETATM17180	H2	WAT	4623	5.549	11.298	-20.897	0.417000
HETATM17181	O	WAT	4624	4.186	13.274	1.066	-0.834000
HETATM17182	H1	WAT	4624	4.646	13.397	0.236	0.417000
HETATM17183	H2	WAT	4624	3.571	14.005	1.110	0.417000
HETATM17184	O	WAT	4625	10.559	24.421	19.351	-0.834000
HETATM17185	H1	WAT	4625	11.490	24.379	19.133	0.417000
HETATM17186	H2	WAT	4625	10.168	24.922	18.635	0.417000
HETATM17187	O	WAT	4626	0.351	-33.678	4.212	-0.834000
HETATM17188	H1	WAT	4626	0.071	-33.886	3.321	0.417000
HETATM17189	H2	WAT	4626	0.369	-34.523	4.661	0.417000
HETATM17190	O	WAT	4627	-20.282	5.560	3.389	-0.834000
HETATM17191	H1	WAT	4627	-20.380	4.632	3.174	0.417000
HETATM17192	H2	WAT	4627	-19.789	5.565	4.209	0.417000
HETATM17193	O	WAT	4628	17.671	16.305	-1.090	-0.834000
HETATM17194	H1	WAT	4628	17.433	15.379	-1.042	0.417000
HETATM17195	H2	WAT	4628	18.425	16.389	-0.505	0.417000
HETATM17196	O	WAT	4629	23.951	-19.834	-6.116	-0.834000
HETATM17197	H1	WAT	4629	23.320	-19.850	-6.835	0.417000
HETATM17198	H2	WAT	4629	24.790	-19.646	-6.538	0.417000
HETATM17199	O	WAT	4630	-7.914	17.346	-23.768	-0.834000
HETATM17200	H1	WAT	4630	-8.207	16.526	-23.372	0.417000
HETATM17201	H2	WAT	4630	-8.354	18.028	-23.260	0.417000
HETATM17202	O	WAT	4631	7.115	23.031	24.108	-0.834000
HETATM17203	H1	WAT	4631	7.011	22.287	23.514	0.417000
HETATM17204	H2	WAT	4631	6.980	23.800	23.554	0.417000
HETATM17205	O	WAT	4632	-8.642	-15.153	-6.016	-0.834000
HETATM17206	H1	WAT	4632	-8.734	-14.563	-6.765	0.417000
HETATM17207	H2	WAT	4632	-9.465	-15.641	-5.993	0.417000
HETATM17208	O	WAT	4633	-12.497	17.938	4.389	-0.834000
HETATM17209	H1	WAT	4633	-12.778	17.358	5.096	0.417000
HETATM17210	H2	WAT	4633	-13.313	18.275	4.017	0.417000
HETATM17211	O	WAT	4634	22.311	10.261	19.517	-0.834000
HETATM17212	H1	WAT	4634	22.474	10.139	18.581	0.417000
HETATM17213	H2	WAT	4634	23.021	10.831	19.811	0.417000
HETATM17214	O	WAT	4635	-1.413	-19.247	-23.447	-0.834000
HETATM17215	H1	WAT	4635	-1.569	-18.303	-23.422	0.417000
HETATM17216	H2	WAT	4635	-1.451	-19.472	-24.377	0.417000
HETATM17217	O	WAT	4636	-8.175	-3.427	-23.103	-0.834000

HETATM17218	H1	WAT	4636	-8.097	-4.023	-22.358	0.417000
HETATM17219	H2	WAT	4636	-8.592	-3.952	-23.787	0.417000
HETATM17220	O	WAT	4637	-4.854	-15.787	-31.015	-0.834000
HETATM17221	H1	WAT	4637	-4.734	-15.454	-31.904	0.417000
HETATM17222	H2	WAT	4637	-5.710	-15.452	-30.747	0.417000
HETATM17223	O	WAT	4638	-5.745	27.750	12.229	-0.834000
HETATM17224	H1	WAT	4638	-5.173	28.468	11.960	0.417000
HETATM17225	H2	WAT	4638	-6.453	28.176	12.713	0.417000
HETATM17226	O	WAT	4639	-7.413	21.692	-22.521	-0.834000
HETATM17227	H1	WAT	4639	-7.479	22.188	-23.337	0.417000
HETATM17228	H2	WAT	4639	-7.417	22.360	-21.835	0.417000
HETATM17229	O	WAT	4640	-30.945	-11.033	10.814	-0.834000
HETATM17230	H1	WAT	4640	-30.437	-11.689	11.291	0.417000
HETATM17231	H2	WAT	4640	-31.190	-11.467	9.997	0.417000
HETATM17232	O	WAT	4641	22.795	-18.928	1.712	-0.834000
HETATM17233	H1	WAT	4641	23.423	-19.421	1.184	0.417000
HETATM17234	H2	WAT	4641	21.997	-18.914	1.184	0.417000
HETATM17235	O	WAT	4642	13.698	1.315	-21.521	-0.834000
HETATM17236	H1	WAT	4642	14.629	1.518	-21.425	0.417000
HETATM17237	H2	WAT	4642	13.254	1.965	-20.976	0.417000
HETATM17238	O	WAT	4643	5.125	-24.538	7.416	-0.834000
HETATM17239	H1	WAT	4643	4.684	-25.359	7.634	0.417000
HETATM17240	H2	WAT	4643	4.570	-23.859	7.798	0.417000
HETATM17241	O	WAT	4644	18.137	-4.920	27.865	-0.834000
HETATM17242	H1	WAT	4644	19.013	-5.124	27.536	0.417000
HETATM17243	H2	WAT	4644	18.095	-3.964	27.859	0.417000
HETATM17244	O	WAT	4645	-0.194	-21.938	11.871	-0.834000
HETATM17245	H1	WAT	4645	-0.205	-22.747	12.382	0.417000
HETATM17246	H2	WAT	4645	0.606	-21.491	12.147	0.417000
HETATM17247	O	WAT	4646	5.595	-33.024	-6.564	-0.834000
HETATM17248	H1	WAT	4646	5.155	-33.423	-7.314	0.417000
HETATM17249	H2	WAT	4646	5.301	-32.113	-6.571	0.417000
HETATM17250	O	WAT	4647	-17.183	20.431	-1.634	-0.834000
HETATM17251	H1	WAT	4647	-17.283	20.939	-0.829	0.417000
HETATM17252	H2	WAT	4647	-17.118	21.089	-2.326	0.417000
HETATM17253	O	WAT	4648	-13.576	7.944	22.987	-0.834000
HETATM17254	H1	WAT	4648	-14.357	8.485	22.871	0.417000
HETATM17255	H2	WAT	4648	-12.883	8.568	23.203	0.417000
HETATM17256	O	WAT	4649	26.380	10.770	-3.001	-0.834000
HETATM17257	H1	WAT	4649	27.232	10.421	-2.738	0.417000
HETATM17258	H2	WAT	4649	26.543	11.191	-3.845	0.417000
HETATM17259	O	WAT	4650	21.806	-12.236	17.758	-0.834000
HETATM17260	H1	WAT	4650	21.745	-12.981	18.355	0.417000
HETATM17261	H2	WAT	4650	22.064	-12.621	16.920	0.417000
HETATM17262	O	WAT	4651	-9.544	6.275	-24.177	-0.834000
HETATM17263	H1	WAT	4651	-9.010	5.782	-24.800	0.417000
HETATM17264	H2	WAT	4651	-9.331	5.894	-23.325	0.417000
HETATM17265	O	WAT	4652	-12.402	-26.184	-8.633	-0.834000
HETATM17266	H1	WAT	4652	-13.186	-26.675	-8.387	0.417000
HETATM17267	H2	WAT	4652	-12.379	-25.448	-8.021	0.417000
HETATM17268	O	WAT	4653	13.872	10.702	7.218	-0.834000
HETATM17269	H1	WAT	4653	13.014	10.370	6.955	0.417000
HETATM17270	H2	WAT	4653	13.722	11.101	8.076	0.417000
HETATM17271	O	WAT	4654	-16.948	-4.016	-13.271	-0.834000
HETATM17272	H1	WAT	4654	-16.950	-4.454	-12.420	0.417000
HETATM17273	H2	WAT	4654	-17.569	-3.295	-13.170	0.417000
HETATM17274	O	WAT	4655	14.075	5.327	21.486	-0.834000
HETATM17275	H1	WAT	4655	14.731	5.000	22.103	0.417000
HETATM17276	H2	WAT	4655	13.398	5.715	22.040	0.417000
HETATM17277	O	WAT	4656	-19.329	-5.604	25.639	-0.834000
HETATM17278	H1	WAT	4656	-19.382	-5.205	26.507	0.417000
HETATM17279	H2	WAT	4656	-19.830	-5.016	25.074	0.417000
HETATM17280	O	WAT	4657	-25.407	17.426	-3.387	-0.834000
HETATM17281	H1	WAT	4657	-25.888	17.526	-4.208	0.417000
HETATM17282	H2	WAT	4657	-24.851	16.660	-3.526	0.417000
HETATM17283	O	WAT	4658	-26.885	-2.769	16.993	-0.834000
HETATM17284	H1	WAT	4658	-27.013	-1.934	16.543	0.417000
HETATM17285	H2	WAT	4658	-27.759	-3.013	17.298	0.417000
HETATM17286	O	WAT	4659	23.685	-10.413	-3.178	-0.834000
HETATM17287	H1	WAT	4659	22.951	-10.739	-2.656	0.417000

HETATM17288	H2	WAT	4659	23.484	-9.488	-3.321	0.417000
HETATM17289	O	WAT	4660	-24.478	-16.307	-4.383	-0.834000
HETATM17290	H1	WAT	4660	-23.825	-16.720	-3.817	0.417000
HETATM17291	H2	WAT	4660	-25.313	-16.473	-3.946	0.417000
HETATM17292	O	WAT	4661	25.462	1.236	1.983	-0.834000
HETATM17293	H1	WAT	4661	26.390	1.341	1.773	0.417000
HETATM17294	H2	WAT	4661	25.052	2.039	1.661	0.417000
HETATM17295	O	WAT	4662	25.609	13.867	-10.593	-0.834000
HETATM17296	H1	WAT	4662	25.075	13.908	-9.799	0.417000
HETATM17297	H2	WAT	4662	25.029	14.179	-11.288	0.417000
HETATM17298	O	WAT	4663	-11.469	-0.291	25.443	-0.834000
HETATM17299	H1	WAT	4663	-12.262	-0.287	24.908	0.417000
HETATM17300	H2	WAT	4663	-11.507	0.529	25.935	0.417000
HETATM17301	O	WAT	4664	-33.019	3.318	1.602	-0.834000
HETATM17302	H1	WAT	4664	-33.671	4.013	1.689	0.417000
HETATM17303	H2	WAT	4664	-33.091	2.819	2.416	0.417000
HETATM17304	O	WAT	4665	16.780	19.132	15.519	-0.834000
HETATM17305	H1	WAT	4665	16.209	19.070	16.284	0.417000
HETATM17306	H2	WAT	4665	17.486	19.718	15.794	0.417000
HETATM17307	O	WAT	4666	17.203	7.956	6.605	-0.834000
HETATM17308	H1	WAT	4666	16.583	8.434	6.053	0.417000
HETATM17309	H2	WAT	4666	17.945	7.772	6.029	0.417000
HETATM17310	O	WAT	4667	31.070	6.729	-1.267	-0.834000
HETATM17311	H1	WAT	4667	31.526	6.070	-0.743	0.417000
HETATM17312	H2	WAT	4667	30.514	6.222	-1.858	0.417000
HETATM17313	O	WAT	4668	13.716	20.916	-14.758	-0.834000
HETATM17314	H1	WAT	4668	13.550	20.059	-14.365	0.417000
HETATM17315	H2	WAT	4668	13.864	21.497	-14.012	0.417000
HETATM17316	O	WAT	4669	11.163	-23.492	-16.702	-0.834000
HETATM17317	H1	WAT	4669	10.732	-24.038	-16.045	0.417000
HETATM17318	H2	WAT	4669	12.082	-23.756	-16.667	0.417000
HETATM17319	O	WAT	4670	-4.274	24.959	-18.505	-0.834000
HETATM17320	H1	WAT	4670	-5.145	24.930	-18.110	0.417000
HETATM17321	H2	WAT	4670	-3.941	24.066	-18.417	0.417000
HETATM17322	O	WAT	4671	-29.144	5.045	2.152	-0.834000
HETATM17323	H1	WAT	4671	-29.606	4.997	2.989	0.417000
HETATM17324	H2	WAT	4671	-28.355	4.520	2.284	0.417000
HETATM17325	O	WAT	4672	19.464	-25.438	-4.440	-0.834000
HETATM17326	H1	WAT	4672	18.740	-25.032	-4.916	0.417000
HETATM17327	H2	WAT	4672	20.178	-25.476	-5.076	0.417000
HETATM17328	O	WAT	4673	13.761	-15.289	-19.776	-0.834000
HETATM17329	H1	WAT	4673	13.812	-14.734	-18.998	0.417000
HETATM17330	H2	WAT	4673	14.234	-14.800	-20.450	0.417000
HETATM17331	O	WAT	4674	-4.414	0.367	-28.154	-0.834000
HETATM17332	H1	WAT	4674	-3.652	-0.135	-28.442	0.417000
HETATM17333	H2	WAT	4674	-5.124	0.072	-28.724	0.417000
HETATM17334	O	WAT	4675	-24.034	-9.678	-3.637	-0.834000
HETATM17335	H1	WAT	4675	-23.572	-10.311	-3.087	0.417000
HETATM17336	H2	WAT	4675	-23.411	-8.960	-3.750	0.417000
HETATM17337	O	WAT	4676	-22.214	-16.899	5.299	-0.834000
HETATM17338	H1	WAT	4676	-21.271	-16.745	5.356	0.417000
HETATM17339	H2	WAT	4676	-22.522	-16.267	4.649	0.417000
HETATM17340	O	WAT	4677	2.627	28.102	16.751	-0.834000
HETATM17341	H1	WAT	4677	2.828	28.239	15.825	0.417000
HETATM17342	H2	WAT	4677	2.619	28.982	17.127	0.417000
HETATM17343	O	WAT	4678	4.077	18.114	-6.570	-0.834000
HETATM17344	H1	WAT	4678	4.160	19.022	-6.860	0.417000
HETATM17345	H2	WAT	4678	4.821	17.665	-6.971	0.417000
HETATM17346	O	WAT	4679	14.707	-16.559	26.574	-0.834000
HETATM17347	H1	WAT	4679	14.037	-16.168	27.135	0.417000
HETATM17348	H2	WAT	4679	15.233	-15.817	26.276	0.417000
HETATM17349	O	WAT	4680	-24.078	-11.112	9.387	-0.834000
HETATM17350	H1	WAT	4680	-23.595	-10.642	10.067	0.417000
HETATM17351	H2	WAT	4680	-23.456	-11.194	8.664	0.417000
HETATM17352	O	WAT	4681	-4.339	-19.072	16.258	-0.834000
HETATM17353	H1	WAT	4681	-4.581	-19.997	16.286	0.417000
HETATM17354	H2	WAT	4681	-4.876	-18.705	15.556	0.417000
HETATM17355	O	WAT	4682	30.779	1.968	-14.569	-0.834000
HETATM17356	H1	WAT	4682	30.854	2.616	-13.869	0.417000
HETATM17357	H2	WAT	4682	30.458	2.465	-15.322	0.417000

HETATM17358	O	WAT	4683	10.535	-12.358	30.541	-0.834000
HETATM17359	H1	WAT	4683	10.174	-13.207	30.796	0.417000
HETATM17360	H2	WAT	4683	9.800	-11.751	30.623	0.417000
HETATM17361	O	WAT	4684	19.711	-18.350	17.736	-0.834000
HETATM17362	H1	WAT	4684	20.385	-18.035	17.133	0.417000
HETATM17363	H2	WAT	4684	19.153	-18.913	17.199	0.417000
HETATM17364	O	WAT	4685	-21.633	-21.624	14.686	-0.834000
HETATM17365	H1	WAT	4685	-21.707	-22.088	15.520	0.417000
HETATM17366	H2	WAT	4685	-22.340	-20.980	14.706	0.417000
HETATM17367	O	WAT	4686	10.256	-10.366	-29.809	-0.834000
HETATM17368	H1	WAT	4686	9.469	-10.570	-30.315	0.417000
HETATM17369	H2	WAT	4686	10.499	-9.483	-30.089	0.417000
HETATM17370	O	WAT	4687	25.393	-6.214	-8.565	-0.834000
HETATM17371	H1	WAT	4687	24.668	-6.443	-9.146	0.417000
HETATM17372	H2	WAT	4687	25.739	-7.056	-8.271	0.417000
HETATM17373	O	WAT	4688	12.400	-19.741	-18.888	-0.834000
HETATM17374	H1	WAT	4688	12.934	-18.982	-18.653	0.417000
HETATM17375	H2	WAT	4688	12.916	-20.495	-18.599	0.417000
HETATM17376	O	WAT	4689	4.664	27.256	3.014	-0.834000
HETATM17377	H1	WAT	4689	3.768	27.586	2.943	0.417000
HETATM17378	H2	WAT	4689	5.175	27.822	2.435	0.417000
HETATM17379	O	WAT	4690	0.716	-19.259	18.900	-0.834000
HETATM17380	H1	WAT	4690	0.458	-19.525	18.017	0.417000
HETATM17381	H2	WAT	4690	1.656	-19.438	18.939	0.417000
HETATM17382	O	WAT	4691	-20.785	-21.013	-17.026	-0.834000
HETATM17383	H1	WAT	4691	-21.337	-21.291	-16.295	0.417000
HETATM17384	H2	WAT	4691	-20.584	-20.096	-16.840	0.417000
HETATM17385	O	WAT	4692	24.017	-10.190	0.704	-0.834000
HETATM17386	H1	WAT	4692	23.208	-9.946	0.254	0.417000
HETATM17387	H2	WAT	4692	23.882	-11.102	0.963	0.417000
HETATM17388	O	WAT	4693	-21.199	-8.611	-13.722	-0.834000
HETATM17389	H1	WAT	4693	-21.729	-7.884	-13.394	0.417000
HETATM17390	H2	WAT	4693	-20.626	-8.213	-14.377	0.417000
HETATM17391	O	WAT	4694	2.774	29.276	-7.134	-0.834000
HETATM17392	H1	WAT	4694	2.665	28.385	-6.802	0.417000
HETATM17393	H2	WAT	4694	1.900	29.528	-7.435	0.417000
HETATM17394	O	WAT	4695	13.676	-9.689	23.336	-0.834000
HETATM17395	H1	WAT	4695	13.997	-9.162	24.068	0.417000
HETATM17396	H2	WAT	4695	14.363	-9.621	22.673	0.417000
HETATM17397	O	WAT	4696	7.386	26.038	-21.039	-0.834000
HETATM17398	H1	WAT	4696	6.874	25.276	-20.766	0.417000
HETATM17399	H2	WAT	4696	7.071	26.235	-21.921	0.417000
HETATM17400	O	WAT	4697	27.288	-11.786	-16.007	-0.834000
HETATM17401	H1	WAT	4697	27.092	-11.650	-16.934	0.417000
HETATM17402	H2	WAT	4697	27.606	-12.687	-15.958	0.417000
HETATM17403	O	WAT	4698	20.716	-16.751	-20.881	-0.834000
HETATM17404	H1	WAT	4698	20.778	-15.840	-21.165	0.417000
HETATM17405	H2	WAT	4698	19.797	-16.864	-20.637	0.417000
HETATM17406	O	WAT	4699	11.997	25.031	0.611	-0.834000
HETATM17407	H1	WAT	4699	11.403	24.307	0.415	0.417000
HETATM17408	H2	WAT	4699	12.416	25.231	-0.225	0.417000
HETATM17409	O	WAT	4700	21.336	8.675	2.979	-0.834000
HETATM17410	H1	WAT	4700	21.319	7.830	2.530	0.417000
HETATM17411	H2	WAT	4700	21.254	9.321	2.277	0.417000
HETATM17412	O	WAT	4701	21.019	4.786	-21.857	-0.834000
HETATM17413	H1	WAT	4701	21.447	5.146	-21.079	0.417000
HETATM17414	H2	WAT	4701	21.574	5.065	-22.585	0.417000
HETATM17415	O	WAT	4702	10.246	-14.134	20.700	-0.834000
HETATM17416	H1	WAT	4702	9.710	-13.814	21.426	0.417000
HETATM17417	H2	WAT	4702	10.963	-13.503	20.636	0.417000
HETATM17418	O	WAT	4703	18.129	15.470	25.561	-0.834000
HETATM17419	H1	WAT	4703	17.697	14.632	25.396	0.417000
HETATM17420	H2	WAT	4703	17.681	16.089	24.983	0.417000
HETATM17421	O	WAT	4704	-0.543	17.198	-10.790	-0.834000
HETATM17422	H1	WAT	4704	-0.658	17.911	-10.161	0.417000
HETATM17423	H2	WAT	4704	-1.022	17.486	-11.567	0.417000
HETATM17424	O	WAT	4705	24.580	4.344	4.269	-0.834000
HETATM17425	H1	WAT	4705	25.191	4.938	3.833	0.417000
HETATM17426	H2	WAT	4705	23.918	4.920	4.652	0.417000
HETATM17427	O	WAT	4706	22.638	-9.510	6.769	-0.834000

HETATM17428	H1	WAT	4706	22.826	-8.577	6.872	0.417000
HETATM17429	H2	WAT	4706	21.723	-9.601	7.036	0.417000
HETATM17430	O	WAT	4707	21.198	1.387	-26.417	-0.834000
HETATM17431	H1	WAT	4707	20.420	1.066	-26.873	0.417000
HETATM17432	H2	WAT	4707	21.023	1.211	-25.492	0.417000
HETATM17433	O	WAT	4708	13.496	-26.247	17.539	-0.834000
HETATM17434	H1	WAT	4708	13.238	-26.652	18.367	0.417000
HETATM17435	H2	WAT	4708	14.417	-26.016	17.662	0.417000
HETATM17436	O	WAT	4709	-1.522	-28.325	15.913	-0.834000
HETATM17437	H1	WAT	4709	-1.419	-28.675	16.798	0.417000
HETATM17438	H2	WAT	4709	-1.950	-27.478	16.038	0.417000
HETATM17439	O	WAT	4710	-0.125	-10.216	23.039	-0.834000
HETATM17440	H1	WAT	4710	0.730	-10.135	23.461	0.417000
HETATM17441	H2	WAT	4710	0.063	-10.618	22.191	0.417000
HETATM17442	O	WAT	4711	16.707	17.292	24.084	-0.834000
HETATM17443	H1	WAT	4711	16.778	18.244	24.013	0.417000
HETATM17444	H2	WAT	4711	15.805	17.140	24.366	0.417000
HETATM17445	O	WAT	4712	27.031	-20.838	-0.800	-0.834000
HETATM17446	H1	WAT	4712	27.783	-20.422	-0.380	0.417000
HETATM17447	H2	WAT	4712	27.257	-20.857	-1.730	0.417000
HETATM17448	O	WAT	4713	-10.402	-20.377	-14.813	-0.834000
HETATM17449	H1	WAT	4713	-10.048	-21.003	-14.181	0.417000
HETATM17450	H2	WAT	4713	-11.292	-20.205	-14.507	0.417000
HETATM17451	O	WAT	4714	13.239	26.510	16.403	-0.834000
HETATM17452	H1	WAT	4714	12.996	26.012	15.622	0.417000
HETATM17453	H2	WAT	4714	13.702	27.276	16.063	0.417000
HETATM17454	O	WAT	4715	-6.773	4.512	-30.026	-0.834000
HETATM17455	H1	WAT	4715	-7.285	5.274	-30.295	0.417000
HETATM17456	H2	WAT	4715	-7.172	3.778	-30.493	0.417000
HETATM17457	O	WAT	4716	-3.423	13.872	-23.885	-0.834000
HETATM17458	H1	WAT	4716	-2.644	13.346	-24.065	0.417000
HETATM17459	H2	WAT	4716	-3.771	13.514	-23.069	0.417000
HETATM17460	O	WAT	4717	-18.981	-23.970	-13.100	-0.834000
HETATM17461	H1	WAT	4717	-19.772	-23.471	-12.897	0.417000
HETATM17462	H2	WAT	4717	-18.328	-23.306	-13.318	0.417000
HETATM17463	O	WAT	4718	-15.401	4.837	24.862	-0.834000
HETATM17464	H1	WAT	4718	-15.325	5.203	25.743	0.417000
HETATM17465	H2	WAT	4718	-16.003	4.099	24.960	0.417000
HETATM17466	O	WAT	4719	27.273	9.853	-14.112	-0.834000
HETATM17467	H1	WAT	4719	26.396	10.153	-14.353	0.417000
HETATM17468	H2	WAT	4719	27.842	10.195	-14.801	0.417000
HETATM17469	O	WAT	4720	-14.265	18.270	-17.154	-0.834000
HETATM17470	H1	WAT	4720	-15.191	18.056	-17.265	0.417000
HETATM17471	H2	WAT	4720	-14.255	19.213	-16.989	0.417000
HETATM17472	O	WAT	4721	-15.490	-25.077	10.377	-0.834000
HETATM17473	H1	WAT	4721	-14.594	-25.207	10.687	0.417000
HETATM17474	H2	WAT	4721	-15.514	-24.164	10.091	0.417000
HETATM17475	O	WAT	4722	-28.637	17.100	-9.577	-0.834000
HETATM17476	H1	WAT	4722	-28.262	16.286	-9.238	0.417000
HETATM17477	H2	WAT	4722	-29.316	17.332	-8.943	0.417000
HETATM17478	O	WAT	4723	-26.026	-17.207	-8.744	-0.834000
HETATM17479	H1	WAT	4723	-25.496	-17.057	-9.527	0.417000
HETATM17480	H2	WAT	4723	-25.393	-17.222	-8.026	0.417000
HETATM17481	O	WAT	4724	-8.291	-25.134	-10.218	-0.834000
HETATM17482	H1	WAT	4724	-8.885	-25.816	-9.902	0.417000
HETATM17483	H2	WAT	4724	-8.135	-25.359	-11.135	0.417000
HETATM17484	O	WAT	4725	-15.094	22.948	12.247	-0.834000
HETATM17485	H1	WAT	4725	-14.935	22.095	12.651	0.417000
HETATM17486	H2	WAT	4725	-14.984	23.576	12.962	0.417000
HETATM17487	O	WAT	4726	-2.076	9.089	-13.628	-0.834000
HETATM17488	H1	WAT	4726	-2.996	8.827	-13.605	0.417000
HETATM17489	H2	WAT	4726	-1.785	8.866	-14.512	0.417000
HETATM17490	O	WAT	4727	16.501	-16.962	21.232	-0.834000
HETATM17491	H1	WAT	4727	17.115	-16.245	21.070	0.417000
HETATM17492	H2	WAT	4727	16.971	-17.552	21.820	0.417000
HETATM17493	O	WAT	4728	-11.381	10.344	25.747	-0.834000
HETATM17494	H1	WAT	4728	-10.918	9.603	26.138	0.417000
HETATM17495	H2	WAT	4728	-11.370	10.164	24.807	0.417000
HETATM17496	O	WAT	4729	16.979	-16.294	2.472	-0.834000
HETATM17497	H1	WAT	4729	16.100	-16.533	2.767	0.417000

HETATM17498	H2	WAT	4729	17.563	-16.867	2.969	0.417000
HETATM17499	O	WAT	4730	4.750	-11.263	24.075	-0.834000
HETATM17500	H1	WAT	4730	5.218	-11.005	24.869	0.417000
HETATM17501	H2	WAT	4730	5.438	-11.382	23.420	0.417000
HETATM17502	O	WAT	4731	-5.270	7.602	-27.840	-0.834000
HETATM17503	H1	WAT	4731	-5.483	6.701	-27.599	0.417000
HETATM17504	H2	WAT	4731	-6.051	7.919	-28.295	0.417000
HETATM17505	O	WAT	4732	-13.950	3.869	-12.983	-0.834000
HETATM17506	H1	WAT	4732	-13.830	4.001	-13.924	0.417000
HETATM17507	H2	WAT	4732	-13.078	3.648	-12.659	0.417000
HETATM17508	O	WAT	4733	16.622	20.268	19.230	-0.834000
HETATM17509	H1	WAT	4733	16.040	19.859	18.589	0.417000
HETATM17510	H2	WAT	4733	16.713	21.172	18.927	0.417000
HETATM17511	O	WAT	4734	13.584	28.494	-11.770	-0.834000
HETATM17512	H1	WAT	4734	14.124	28.595	-12.554	0.417000
HETATM17513	H2	WAT	4734	13.441	29.388	-11.460	0.417000
HETATM17514	O	WAT	4735	1.747	11.967	-6.972	-0.834000
HETATM17515	H1	WAT	4735	2.226	12.363	-6.244	0.417000
HETATM17516	H2	WAT	4735	1.028	11.492	-6.556	0.417000
HETATM17517	O	WAT	4736	-4.166	-18.296	11.992	-0.834000
HETATM17518	H1	WAT	4736	-4.578	-18.365	11.131	0.417000
HETATM17519	H2	WAT	4736	-3.472	-18.956	11.979	0.417000
HETATM17520	O	WAT	4737	-21.024	0.506	25.298	-0.834000
HETATM17521	H1	WAT	4737	-21.481	0.495	26.139	0.417000
HETATM17522	H2	WAT	4737	-21.647	0.904	24.691	0.417000
HETATM17523	O	WAT	4738	-7.919	-7.607	-20.287	-0.834000
HETATM17524	H1	WAT	4738	-7.681	-6.715	-20.543	0.417000
HETATM17525	H2	WAT	4738	-8.717	-7.792	-20.781	0.417000
HETATM17526	O	WAT	4739	6.749	7.476	-33.826	-0.834000
HETATM17527	H1	WAT	4739	6.589	7.074	-32.973	0.417000
HETATM17528	H2	WAT	4739	5.879	7.719	-34.144	0.417000
HETATM17529	O	WAT	4740	-24.377	-18.281	-16.219	-0.834000
HETATM17530	H1	WAT	4740	-25.166	-17.918	-15.816	0.417000
HETATM17531	H2	WAT	4740	-23.975	-18.808	-15.528	0.417000
HETATM17532	O	WAT	4741	15.372	-18.373	19.209	-0.834000
HETATM17533	H1	WAT	4741	15.216	-17.752	18.497	0.417000
HETATM17534	H2	WAT	4741	15.812	-17.856	19.884	0.417000
HETATM17535	O	WAT	4742	-9.339	19.106	7.170	-0.834000
HETATM17536	H1	WAT	4742	-9.891	19.381	6.438	0.417000
HETATM17537	H2	WAT	4742	-8.530	19.606	7.061	0.417000
HETATM17538	O	WAT	4743	18.642	-28.611	-9.535	-0.834000
HETATM17539	H1	WAT	4743	18.508	-29.255	-10.230	0.417000
HETATM17540	H2	WAT	4743	18.440	-27.770	-9.947	0.417000
HETATM17541	O	WAT	4744	19.414	20.926	-7.826	-0.834000
HETATM17542	H1	WAT	4744	18.551	21.340	-7.801	0.417000
HETATM17543	H2	WAT	4744	19.312	20.127	-7.308	0.417000
HETATM17544	O	WAT	4745	10.434	28.765	5.758	-0.834000
HETATM17545	H1	WAT	4745	11.308	29.144	5.854	0.417000
HETATM17546	H2	WAT	4745	9.956	29.065	6.531	0.417000
HETATM17547	O	WAT	4746	-11.382	12.540	23.442	-0.834000
HETATM17548	H1	WAT	4746	-12.283	12.404	23.151	0.417000
HETATM17549	H2	WAT	4746	-10.938	11.716	23.242	0.417000
HETATM17550	O	WAT	4747	-1.893	-16.635	-23.256	-0.834000
HETATM17551	H1	WAT	4747	-1.656	-15.992	-23.925	0.417000
HETATM17552	H2	WAT	4747	-2.770	-16.376	-22.975	0.417000
HETATM17553	O	WAT	4748	-10.302	22.942	-10.576	-0.834000
HETATM17554	H1	WAT	4748	-10.975	22.446	-10.110	0.417000
HETATM17555	H2	WAT	4748	-9.509	22.412	-10.487	0.417000
HETATM17556	O	WAT	4749	8.734	-14.918	10.915	-0.834000
HETATM17557	H1	WAT	4749	8.826	-14.811	11.862	0.417000
HETATM17558	H2	WAT	4749	8.498	-14.046	10.598	0.417000
HETATM17559	O	WAT	4750	-18.123	12.486	9.953	-0.834000
HETATM17560	H1	WAT	4750	-17.597	12.450	9.154	0.417000
HETATM17561	H2	WAT	4750	-17.773	11.784	10.502	0.417000
HETATM17562	O	WAT	4751	-8.764	13.490	-29.489	-0.834000
HETATM17563	H1	WAT	4751	-8.811	14.317	-29.970	0.417000
HETATM17564	H2	WAT	4751	-9.125	13.695	-28.626	0.417000
HETATM17565	O	WAT	4752	17.848	16.631	5.109	-0.834000
HETATM17566	H1	WAT	4752	18.361	17.015	5.819	0.417000
HETATM17567	H2	WAT	4752	17.216	16.063	5.550	0.417000

HETATM17568	O	WAT	4753	-12.594	15.595	-11.276	-0.834000
HETATM17569	H1	WAT	4753	-12.770	16.278	-10.630	0.417000
HETATM17570	H2	WAT	4753	-11.712	15.789	-11.595	0.417000
HETATM17571	O	WAT	4754	33.170	5.413	11.516	-0.834000
HETATM17572	H1	WAT	4754	32.687	4.735	11.043	0.417000
HETATM17573	H2	WAT	4754	33.909	5.623	10.945	0.417000
HETATM17574	O	WAT	4755	5.733	20.593	-4.522	-0.834000
HETATM17575	H1	WAT	4755	5.222	19.862	-4.174	0.417000
HETATM17576	H2	WAT	4755	6.644	20.308	-4.444	0.417000
HETATM17577	O	WAT	4756	5.413	-32.537	0.608	-0.834000
HETATM17578	H1	WAT	4756	5.792	-32.924	-0.181	0.417000
HETATM17579	H2	WAT	4756	6.136	-32.515	1.235	0.417000
HETATM17580	O	WAT	4757	-23.714	0.091	0.843	-0.834000
HETATM17581	H1	WAT	4757	-24.146	-0.738	0.636	0.417000
HETATM17582	H2	WAT	4757	-23.242	0.322	0.043	0.417000
HETATM17583	O	WAT	4758	-21.191	12.753	-1.589	-0.834000
HETATM17584	H1	WAT	4758	-20.453	13.313	-1.350	0.417000
HETATM17585	H2	WAT	4758	-21.961	13.311	-1.480	0.417000
HETATM17586	O	WAT	4759	-21.383	4.671	-1.661	-0.834000
HETATM17587	H1	WAT	4759	-22.057	4.661	-2.341	0.417000
HETATM17588	H2	WAT	4759	-20.924	3.838	-1.768	0.417000
HETATM17589	O	WAT	4760	-22.577	-6.495	-12.826	-0.834000
HETATM17590	H1	WAT	4760	-22.297	-5.918	-12.116	0.417000
HETATM17591	H2	WAT	4760	-23.402	-6.118	-13.130	0.417000
HETATM17592	O	WAT	4761	11.689	19.864	24.783	-0.834000
HETATM17593	H1	WAT	4761	12.267	19.401	24.177	0.417000
HETATM17594	H2	WAT	4761	11.369	20.615	24.282	0.417000
HETATM17595	O	WAT	4762	-6.575	22.742	-3.234	-0.834000
HETATM17596	H1	WAT	4762	-6.738	22.948	-4.154	0.417000
HETATM17597	H2	WAT	4762	-5.621	22.700	-3.163	0.417000
HETATM17598	O	WAT	4763	-13.612	21.099	3.029	-0.834000
HETATM17599	H1	WAT	4763	-13.306	21.375	3.893	0.417000
HETATM17600	H2	WAT	4763	-14.107	20.297	3.195	0.417000
HETATM17601	O	WAT	4764	3.586	-30.589	-0.106	-0.834000
HETATM17602	H1	WAT	4764	3.862	-30.651	-1.021	0.417000
HETATM17603	H2	WAT	4764	4.228	-31.113	0.373	0.417000
HETATM17604	O	WAT	4765	-15.108	-10.038	-28.345	-0.834000
HETATM17605	H1	WAT	4765	-14.934	-9.554	-29.152	0.417000
HETATM17606	H2	WAT	4765	-15.867	-9.600	-27.961	0.417000
HETATM17607	O	WAT	4766	15.342	8.377	23.315	-0.834000
HETATM17608	H1	WAT	4766	16.232	8.573	23.606	0.417000
HETATM17609	H2	WAT	4766	15.058	7.659	23.880	0.417000
HETATM17610	O	WAT	4767	27.552	-3.587	12.447	-0.834000
HETATM17611	H1	WAT	4767	27.347	-3.261	11.570	0.417000
HETATM17612	H2	WAT	4767	28.184	-2.957	12.795	0.417000
HETATM17613	O	WAT	4768	-7.240	-19.226	8.056	-0.834000
HETATM17614	H1	WAT	4768	-8.127	-18.937	8.270	0.417000
HETATM17615	H2	WAT	4768	-7.285	-19.476	7.133	0.417000
HETATM17616	O	WAT	4769	-7.615	2.374	26.886	-0.834000
HETATM17617	H1	WAT	4769	-6.738	2.734	27.020	0.417000
HETATM17618	H2	WAT	4769	-7.900	2.105	27.759	0.417000
HETATM17619	O	WAT	4770	-15.760	1.452	29.775	-0.834000
HETATM17620	H1	WAT	4770	-16.034	2.157	29.189	0.417000
HETATM17621	H2	WAT	4770	-16.479	1.368	30.401	0.417000
HETATM17622	O	WAT	4771	7.184	-28.458	-19.271	-0.834000
HETATM17623	H1	WAT	4771	7.303	-29.014	-20.042	0.417000
HETATM17624	H2	WAT	4771	6.250	-28.247	-19.270	0.417000
HETATM17625	O	WAT	4772	23.749	11.575	1.341	-0.834000
HETATM17626	H1	WAT	4772	23.583	12.467	1.647	0.417000
HETATM17627	H2	WAT	4772	24.421	11.674	0.667	0.417000
HETATM17628	O	WAT	4773	1.891	17.152	-3.388	-0.834000
HETATM17629	H1	WAT	4773	1.820	16.749	-4.253	0.417000
HETATM17630	H2	WAT	4773	2.110	16.427	-2.803	0.417000
HETATM17631	O	WAT	4774	-30.448	-16.727	-8.416	-0.834000
HETATM17632	H1	WAT	4774	-29.644	-16.321	-8.740	0.417000
HETATM17633	H2	WAT	4774	-30.615	-16.292	-7.580	0.417000
HETATM17634	O	WAT	4775	-4.071	24.720	-14.191	-0.834000
HETATM17635	H1	WAT	4775	-3.636	24.553	-13.356	0.417000
HETATM17636	H2	WAT	4775	-4.230	25.664	-14.195	0.417000
HETATM17637	O	WAT	4776	15.420	30.193	6.885	-0.834000

HETATM17638	H1	WAT	4776	15.594	31.103	6.646	0.417000
HETATM17639	H2	WAT	4776	15.744	30.115	7.783	0.417000
HETATM17640	O	WAT	4777	2.397	-9.867	24.049	-0.834000
HETATM17641	H1	WAT	4777	3.188	-10.403	23.997	0.417000
HETATM17642	H2	WAT	4777	2.695	-8.979	23.853	0.417000
HETATM17643	O	WAT	4778	32.016	14.231	-5.675	-0.834000
HETATM17644	H1	WAT	4778	31.665	14.890	-6.274	0.417000
HETATM17645	H2	WAT	4778	31.547	13.428	-5.901	0.417000
HETATM17646	O	WAT	4779	-9.681	-18.421	25.357	-0.834000
HETATM17647	H1	WAT	4779	-9.588	-17.473	25.268	0.417000
HETATM17648	H2	WAT	4779	-8.807	-18.726	25.601	0.417000
HETATM17649	O	WAT	4780	20.612	-21.135	-6.608	-0.834000
HETATM17650	H1	WAT	4780	19.998	-21.637	-7.145	0.417000
HETATM17651	H2	WAT	4780	21.099	-20.602	-7.236	0.417000
HETATM17652	O	WAT	4781	-12.500	13.080	29.186	-0.834000
HETATM17653	H1	WAT	4781	-11.828	12.966	28.514	0.417000
HETATM17654	H2	WAT	4781	-12.694	12.192	29.485	0.417000
HETATM17655	O	WAT	4782	22.607	-13.632	15.535	-0.834000
HETATM17656	H1	WAT	4782	21.885	-13.927	14.979	0.417000
HETATM17657	H2	WAT	4782	22.985	-14.439	15.885	0.417000
HETATM17658	O	WAT	4783	-20.027	1.300	0.743	-0.834000
HETATM17659	H1	WAT	4783	-20.550	1.885	1.292	0.417000
HETATM17660	H2	WAT	4783	-20.346	0.423	0.956	0.417000
HETATM17661	O	WAT	4784	15.612	14.217	3.815	-0.834000
HETATM17662	H1	WAT	4784	16.497	13.984	4.098	0.417000
HETATM17663	H2	WAT	4784	15.045	13.901	4.519	0.417000
HETATM17664	O	WAT	4785	-30.469	8.648	-3.602	-0.834000
HETATM17665	H1	WAT	4785	-30.495	9.541	-3.260	0.417000
HETATM17666	H2	WAT	4785	-31.379	8.351	-3.567	0.417000
HETATM17667	O	WAT	4786	-9.246	6.254	33.190	-0.834000
HETATM17668	H1	WAT	4786	-8.991	6.186	32.270	0.417000
HETATM17669	H2	WAT	4786	-10.090	6.705	33.172	0.417000
HETATM17670	O	WAT	4787	-10.598	23.468	-15.419	-0.834000
HETATM17671	H1	WAT	4787	-9.854	22.866	-15.430	0.417000
HETATM17672	H2	WAT	4787	-10.603	23.826	-14.531	0.417000
HETATM17673	O	WAT	4788	8.057	14.509	-29.181	-0.834000
HETATM17674	H1	WAT	4788	8.337	13.889	-29.854	0.417000
HETATM17675	H2	WAT	4788	7.427	15.077	-29.626	0.417000
HETATM17676	O	WAT	4789	19.041	1.077	-28.225	-0.834000
HETATM17677	H1	WAT	4789	18.273	0.889	-28.764	0.417000
HETATM17678	H2	WAT	4789	19.727	1.299	-28.855	0.417000
HETATM17679	O	WAT	4790	-24.500	7.828	-1.047	-0.834000
HETATM17680	H1	WAT	4790	-24.523	6.879	-1.174	0.417000
HETATM17681	H2	WAT	4790	-23.592	8.071	-1.229	0.417000
HETATM17682	O	WAT	4791	-17.401	15.533	-26.019	-0.834000
HETATM17683	H1	WAT	4791	-18.130	15.884	-25.508	0.417000
HETATM17684	H2	WAT	4791	-17.003	16.301	-26.428	0.417000
HETATM17685	O	WAT	4792	-7.846	-10.669	-25.490	-0.834000
HETATM17686	H1	WAT	4792	-8.709	-10.355	-25.757	0.417000
HETATM17687	H2	WAT	4792	-7.589	-10.085	-24.776	0.417000
HETATM17688	O	WAT	4793	17.202	8.281	17.354	-0.834000
HETATM17689	H1	WAT	4793	16.603	8.766	17.921	0.417000
HETATM17690	H2	WAT	4793	17.987	8.826	17.312	0.417000
HETATM17691	O	WAT	4794	-10.683	17.839	2.343	-0.834000
HETATM17692	H1	WAT	4794	-11.280	17.679	3.074	0.417000
HETATM17693	H2	WAT	4794	-11.044	18.609	1.903	0.417000
HETATM17694	O	WAT	4795	17.467	12.666	-12.059	-0.834000
HETATM17695	H1	WAT	4795	18.153	13.295	-11.836	0.417000
HETATM17696	H2	WAT	4795	17.941	11.874	-12.310	0.417000
HETATM17697	O	WAT	4796	28.993	-7.351	-7.432	-0.834000
HETATM17698	H1	WAT	4796	29.487	-7.747	-6.714	0.417000
HETATM17699	H2	WAT	4796	28.911	-6.430	-7.187	0.417000
HETATM17700	O	WAT	4797	21.796	-9.092	-9.182	-0.834000
HETATM17701	H1	WAT	4797	21.603	-8.741	-8.313	0.417000
HETATM17702	H2	WAT	4797	20.937	-9.272	-9.564	0.417000
HETATM17703	O	WAT	4798	6.324	12.497	4.195	-0.834000
HETATM17704	H1	WAT	4798	6.624	12.616	3.294	0.417000
HETATM17705	H2	WAT	4798	5.793	11.701	4.168	0.417000
HETATM17706	O	WAT	4799	-30.397	12.970	-4.714	-0.834000
HETATM17707	H1	WAT	4799	-30.591	13.899	-4.590	0.417000

HETATM17708	H2	WAT	4799	-31.154	12.628	-5.188	0.417000
HETATM17709	O	WAT	4800	-27.072	-0.469	15.523	-0.834000
HETATM17710	H1	WAT	4800	-26.799	0.385	15.858	0.417000
HETATM17711	H2	WAT	4800	-26.483	-0.638	14.788	0.417000
HETATM17712	O	WAT	4801	-18.282	-9.881	22.657	-0.834000
HETATM17713	H1	WAT	4801	-18.370	-10.024	23.600	0.417000
HETATM17714	H2	WAT	4801	-17.903	-10.695	22.326	0.417000
HETATM17715	O	WAT	4802	14.568	-10.075	10.903	-0.834000
HETATM17716	H1	WAT	4802	14.227	-10.941	11.126	0.417000
HETATM17717	H2	WAT	4802	13.790	-9.524	10.824	0.417000
HETATM17718	O	WAT	4803	-4.718	-23.119	24.655	-0.834000
HETATM17719	H1	WAT	4803	-4.114	-23.304	23.936	0.417000
HETATM17720	H2	WAT	4803	-4.206	-22.594	25.270	0.417000
HETATM17721	O	WAT	4804	13.106	-4.046	14.785	-0.834000
HETATM17722	H1	WAT	4804	13.390	-3.401	14.137	0.417000
HETATM17723	H2	WAT	4804	12.396	-4.523	14.355	0.417000
HETATM17724	O	WAT	4805	4.480	-19.090	-24.710	-0.834000
HETATM17725	H1	WAT	4805	3.778	-19.372	-25.297	0.417000
HETATM17726	H2	WAT	4805	4.605	-19.828	-24.114	0.417000
HETATM17727	O	WAT	4806	-4.168	12.647	28.564	-0.834000
HETATM17728	H1	WAT	4806	-5.019	12.990	28.834	0.417000
HETATM17729	H2	WAT	4806	-4.252	12.513	27.620	0.417000
HETATM17730	O	WAT	4807	27.821	-5.775	8.042	-0.834000
HETATM17731	H1	WAT	4807	28.223	-6.548	8.440	0.417000
HETATM17732	H2	WAT	4807	27.871	-5.938	7.100	0.417000
HETATM17733	O	WAT	4808	8.614	-2.545	-21.690	-0.834000
HETATM17734	H1	WAT	4808	7.769	-2.563	-21.240	0.417000
HETATM17735	H2	WAT	4808	9.099	-3.282	-21.319	0.417000
HETATM17736	O	WAT	4809	10.168	4.243	27.762	-0.834000
HETATM17737	H1	WAT	4809	10.546	5.063	27.444	0.417000
HETATM17738	H2	WAT	4809	9.338	4.502	28.163	0.417000
HETATM17739	O	WAT	4810	-17.265	-12.231	21.899	-0.834000
HETATM17740	H1	WAT	4810	-16.912	-12.958	22.412	0.417000
HETATM17741	H2	WAT	4810	-17.698	-12.651	21.156	0.417000
HETATM17742	O	WAT	4811	-8.420	5.829	30.597	-0.834000
HETATM17743	H1	WAT	4811	-8.524	4.888	30.743	0.417000
HETATM17744	H2	WAT	4811	-7.527	5.923	30.266	0.417000
HETATM17745	O	WAT	4812	31.371	-0.743	-15.193	-0.834000
HETATM17746	H1	WAT	4812	31.159	0.177	-15.040	0.417000
HETATM17747	H2	WAT	4812	31.652	-1.070	-14.338	0.417000
HETATM17748	O	WAT	4813	19.201	-14.574	9.818	-0.834000
HETATM17749	H1	WAT	4813	18.819	-14.589	8.941	0.417000
HETATM17750	H2	WAT	4813	19.159	-15.484	10.113	0.417000
HETATM17751	O	WAT	4814	18.359	9.196	-26.479	-0.834000
HETATM17752	H1	WAT	4814	19.038	8.900	-25.872	0.417000
HETATM17753	H2	WAT	4814	18.608	10.094	-26.698	0.417000
HETATM17754	O	WAT	4815	1.079	-28.676	15.091	-0.834000
HETATM17755	H1	WAT	4815	1.288	-29.367	15.719	0.417000
HETATM17756	H2	WAT	4815	0.151	-28.491	15.238	0.417000
HETATM17757	O	WAT	4816	-10.667	17.296	-14.772	-0.834000
HETATM17758	H1	WAT	4816	-10.483	16.807	-13.970	0.417000
HETATM17759	H2	WAT	4816	-10.226	18.137	-14.647	0.417000
HETATM17760	O	WAT	4817	-18.685	-5.861	0.738	-0.834000
HETATM17761	H1	WAT	4817	-18.476	-5.026	1.157	0.417000
HETATM17762	H2	WAT	4817	-19.433	-6.196	1.232	0.417000
HETATM17763	O	WAT	4818	-25.846	3.973	23.264	-0.834000
HETATM17764	H1	WAT	4818	-26.064	3.289	22.630	0.417000
HETATM17765	H2	WAT	4818	-26.494	4.660	23.108	0.417000
HETATM17766	O	WAT	4819	7.436	21.745	-24.066	-0.834000
HETATM17767	H1	WAT	4819	6.920	22.550	-24.107	0.417000
HETATM17768	H2	WAT	4819	7.887	21.792	-23.223	0.417000
HETATM17769	O	WAT	4820	33.259	-3.507	11.866	-0.834000
HETATM17770	H1	WAT	4820	33.443	-4.404	11.584	0.417000
HETATM17771	H2	WAT	4820	32.503	-3.590	12.447	0.417000
HETATM17772	O	WAT	4821	27.749	-9.440	14.247	-0.834000
HETATM17773	H1	WAT	4821	28.251	-10.149	14.650	0.417000
HETATM17774	H2	WAT	4821	28.115	-8.642	14.628	0.417000
HETATM17775	O	WAT	4822	14.841	-7.879	25.119	-0.834000
HETATM17776	H1	WAT	4822	15.205	-7.416	24.364	0.417000
HETATM17777	H2	WAT	4822	15.458	-7.701	25.829	0.417000

HETATM17778	O	WAT	4823	-14.026	14.070	-16.491	-0.834000
HETATM17779	H1	WAT	4823	-13.739	14.898	-16.106	0.417000
HETATM17780	H2	WAT	4823	-13.358	13.438	-16.224	0.417000
HETATM17781	O	WAT	4824	7.953	22.601	5.270	-0.834000
HETATM17782	H1	WAT	4824	8.757	23.121	5.276	0.417000
HETATM17783	H2	WAT	4824	7.470	22.897	6.041	0.417000
HETATM17784	O	WAT	4825	13.689	26.121	5.852	-0.834000
HETATM17785	H1	WAT	4825	12.866	26.199	5.371	0.417000
HETATM17786	H2	WAT	4825	13.424	26.041	6.769	0.417000
HETATM17787	O	WAT	4826	12.890	29.493	11.848	-0.834000
HETATM17788	H1	WAT	4826	13.483	29.946	12.448	0.417000
HETATM17789	H2	WAT	4826	12.185	30.120	11.689	0.417000
HETATM17790	O	WAT	4827	-4.482	-13.615	-27.812	-0.834000
HETATM17791	H1	WAT	4827	-3.900	-13.943	-28.498	0.417000
HETATM17792	H2	WAT	4827	-4.461	-14.291	-27.135	0.417000
HETATM17793	O	WAT	4828	-23.634	-19.775	14.585	-0.834000
HETATM17794	H1	WAT	4828	-24.288	-19.990	13.921	0.417000
HETATM17795	H2	WAT	4828	-24.146	-19.567	15.367	0.417000
HETATM17796	O	WAT	4829	2.903	-14.527	28.987	-0.834000
HETATM17797	H1	WAT	4829	2.492	-15.127	28.365	0.417000
HETATM17798	H2	WAT	4829	2.457	-13.692	28.844	0.417000
HETATM17799	O	WAT	4830	-17.012	19.951	-15.831	-0.834000
HETATM17800	H1	WAT	4830	-16.986	19.116	-16.298	0.417000
HETATM17801	H2	WAT	4830	-17.729	20.433	-16.242	0.417000
HETATM17802	O	WAT	4831	-15.279	-19.530	-5.251	-0.834000
HETATM17803	H1	WAT	4831	-15.456	-19.738	-6.169	0.417000
HETATM17804	H2	WAT	4831	-16.138	-19.558	-4.830	0.417000
HETATM17805	O	WAT	4832	-10.868	-9.190	-23.910	-0.834000
HETATM17806	H1	WAT	4832	-10.826	-10.140	-23.800	0.417000
HETATM17807	H2	WAT	4832	-11.746	-9.027	-24.255	0.417000
HETATM17808	O	WAT	4833	-7.803	8.528	22.224	-0.834000
HETATM17809	H1	WAT	4833	-7.793	9.053	23.024	0.417000
HETATM17810	H2	WAT	4833	-8.571	7.964	22.317	0.417000
HETATM17811	O	WAT	4834	-5.451	28.983	-12.095	-0.834000
HETATM17812	H1	WAT	4834	-4.864	29.399	-11.463	0.417000
HETATM17813	H2	WAT	4834	-6.077	29.668	-12.328	0.417000
HETATM17814	O	WAT	4835	9.800	-2.206	21.960	-0.834000
HETATM17815	H1	WAT	4835	9.056	-1.673	22.242	0.417000
HETATM17816	H2	WAT	4835	10.483	-2.022	22.604	0.417000
HETATM17817	O	WAT	4836	-1.512	-5.526	34.733	-0.834000
HETATM17818	H1	WAT	4836	-1.242	-5.117	33.911	0.417000
HETATM17819	H2	WAT	4836	-1.948	-4.826	35.218	0.417000
HETATM17820	O	WAT	4837	6.934	3.539	26.783	-0.834000
HETATM17821	H1	WAT	4837	7.703	3.420	26.225	0.417000
HETATM17822	H2	WAT	4837	7.218	4.163	27.451	0.417000
HETATM17823	O	WAT	4838	-24.565	-4.213	1.616	-0.834000
HETATM17824	H1	WAT	4838	-24.804	-3.463	1.072	0.417000
HETATM17825	H2	WAT	4838	-25.168	-4.174	2.358	0.417000
HETATM17826	O	WAT	4839	15.832	-12.884	28.392	-0.834000
HETATM17827	H1	WAT	4839	15.293	-13.417	28.977	0.417000
HETATM17828	H2	WAT	4839	15.396	-12.033	28.373	0.417000
HETATM17829	O	WAT	4840	-13.897	10.834	-0.938	-0.834000
HETATM17830	H1	WAT	4840	-13.735	10.011	-1.398	0.417000
HETATM17831	H2	WAT	4840	-14.824	10.797	-0.700	0.417000
HETATM17832	O	WAT	4841	-19.927	0.150	28.656	-0.834000
HETATM17833	H1	WAT	4841	-19.858	0.940	29.192	0.417000
HETATM17834	H2	WAT	4841	-20.823	0.167	28.318	0.417000
HETATM17835	O	WAT	4842	3.377	-4.471	34.256	-0.834000
HETATM17836	H1	WAT	4842	2.607	-4.905	34.623	0.417000
HETATM17837	H2	WAT	4842	4.111	-4.811	34.768	0.417000
HETATM17838	O	WAT	4843	4.082	10.346	-21.002	-0.834000
HETATM17839	H1	WAT	4843	3.768	10.108	-20.130	0.417000
HETATM17840	H2	WAT	4843	3.286	10.544	-21.497	0.417000
HETATM17841	O	WAT	4844	27.632	-16.684	11.594	-0.834000
HETATM17842	H1	WAT	4844	26.896	-16.220	11.994	0.417000
HETATM17843	H2	WAT	4844	28.385	-16.113	11.743	0.417000
HETATM17844	O	WAT	4845	-28.919	-0.286	-2.805	-0.834000
HETATM17845	H1	WAT	4845	-28.250	0.196	-3.291	0.417000
HETATM17846	H2	WAT	4845	-28.977	0.168	-1.964	0.417000
HETATM17847	O	WAT	4846	-1.837	-30.749	-6.541	-0.834000

HETATM17848	H1	WAT	4846	-1.088	-30.630	-5.956	0.417000
HETATM17849	H2	WAT	4846	-1.616	-30.237	-7.319	0.417000
HETATM17850	O	WAT	4847	-11.037	2.288	-25.972	-0.834000
HETATM17851	H1	WAT	4847	-10.616	1.456	-25.756	0.417000
HETATM17852	H2	WAT	4847	-10.419	2.723	-26.560	0.417000
HETATM17853	O	WAT	4848	-12.575	-5.064	-28.547	-0.834000
HETATM17854	H1	WAT	4848	-11.628	-5.184	-28.628	0.417000
HETATM17855	H2	WAT	4848	-12.927	-5.367	-29.384	0.417000
HETATM17856	O	WAT	4849	6.310	17.161	25.527	-0.834000
HETATM17857	H1	WAT	4849	6.247	17.621	26.364	0.417000
HETATM17858	H2	WAT	4849	6.812	17.752	24.966	0.417000
HETATM17859	O	WAT	4850	-29.529	15.328	-1.911	-0.834000
HETATM17860	H1	WAT	4850	-28.961	16.098	-1.929	0.417000
HETATM17861	H2	WAT	4850	-30.026	15.377	-2.727	0.417000
HETATM17862	O	WAT	4851	19.490	-24.357	9.633	-0.834000
HETATM17863	H1	WAT	4851	18.705	-23.845	9.439	0.417000
HETATM17864	H2	WAT	4851	19.157	-25.204	9.928	0.417000
HETATM17865	O	WAT	4852	-31.789	-12.459	4.123	-0.834000
HETATM17866	H1	WAT	4852	-31.344	-11.661	3.837	0.417000
HETATM17867	H2	WAT	4852	-31.924	-12.960	3.318	0.417000
HETATM17868	O	WAT	4853	-6.625	-25.098	-4.133	-0.834000
HETATM17869	H1	WAT	4853	-6.585	-25.288	-3.195	0.417000
HETATM17870	H2	WAT	4853	-7.359	-24.490	-4.223	0.417000
HETATM17871	O	WAT	4854	27.022	-19.554	8.837	-0.834000
HETATM17872	H1	WAT	4854	27.378	-19.660	7.955	0.417000
HETATM17873	H2	WAT	4854	26.169	-19.985	8.806	0.417000
HETATM17874	O	WAT	4855	12.264	-17.360	1.868	-0.834000
HETATM17875	H1	WAT	4855	11.654	-18.087	1.992	0.417000
HETATM17876	H2	WAT	4855	11.703	-16.589	1.782	0.417000
HETATM17877	O	WAT	4856	6.103	-21.503	15.885	-0.834000
HETATM17878	H1	WAT	4856	5.291	-21.998	15.772	0.417000
HETATM17879	H2	WAT	4856	6.733	-21.943	15.314	0.417000
HETATM17880	O	WAT	4857	-3.288	24.648	16.758	-0.834000
HETATM17881	H1	WAT	4857	-4.051	25.182	16.535	0.417000
HETATM17882	H2	WAT	4857	-3.067	24.195	15.944	0.417000
HETATM17883	O	WAT	4858	-15.571	-21.699	-1.224	-0.834000
HETATM17884	H1	WAT	4858	-15.084	-21.101	-1.791	0.417000
HETATM17885	H2	WAT	4858	-16.354	-21.207	-0.973	0.417000
HETATM17886	O	WAT	4859	-22.375	13.911	-21.956	-0.834000
HETATM17887	H1	WAT	4859	-22.173	13.131	-22.472	0.417000
HETATM17888	H2	WAT	4859	-21.817	13.838	-21.182	0.417000
HETATM17889	O	WAT	4860	-15.824	-5.393	29.757	-0.834000
HETATM17890	H1	WAT	4860	-15.570	-5.368	30.679	0.417000
HETATM17891	H2	WAT	4860	-15.010	-5.583	29.289	0.417000
HETATM17892	O	WAT	4861	-1.154	30.988	-14.265	-0.834000
HETATM17893	H1	WAT	4861	-1.904	31.516	-14.538	0.417000
HETATM17894	H2	WAT	4861	-1.024	30.369	-14.984	0.417000
HETATM17895	O	WAT	4862	4.312	18.337	-3.827	-0.834000
HETATM17896	H1	WAT	4862	4.322	18.171	-4.770	0.417000
HETATM17897	H2	WAT	4862	3.459	18.014	-3.536	0.417000
HETATM17898	O	WAT	4863	-13.323	-5.898	28.692	-0.834000
HETATM17899	H1	WAT	4863	-12.478	-5.626	29.052	0.417000
HETATM17900	H2	WAT	4863	-13.325	-6.851	28.779	0.417000
HETATM17901	O	WAT	4864	-4.545	-14.332	29.925	-0.834000
HETATM17902	H1	WAT	4864	-4.564	-14.217	28.975	0.417000
HETATM17903	H2	WAT	4864	-3.960	-13.642	30.239	0.417000
HETATM17904	O	WAT	4865	21.183	-23.740	-12.520	-0.834000
HETATM17905	H1	WAT	4865	21.441	-24.101	-11.672	0.417000
HETATM17906	H2	WAT	4865	21.477	-24.391	-13.157	0.417000
HETATM17907	O	WAT	4866	25.188	6.451	-17.052	-0.834000
HETATM17908	H1	WAT	4866	25.779	6.465	-17.805	0.417000
HETATM17909	H2	WAT	4866	25.722	6.107	-16.335	0.417000
HETATM17910	O	WAT	4867	6.935	-25.843	15.532	-0.834000
HETATM17911	H1	WAT	4867	7.669	-25.488	15.030	0.417000
HETATM17912	H2	WAT	4867	6.976	-26.787	15.380	0.417000
HETATM17913	O	WAT	4868	11.055	21.907	-11.277	-0.834000
HETATM17914	H1	WAT	4868	10.697	22.210	-12.112	0.417000
HETATM17915	H2	WAT	4868	11.716	22.561	-11.049	0.417000
HETATM17916	O	WAT	4869	-26.271	-7.072	-5.747	-0.834000
HETATM17917	H1	WAT	4869	-26.876	-7.709	-5.367	0.417000

HETATM17918	H2	WAT	4869	-25.542	-7.599	-6.074	0.417000
HETATM17919	O	WAT	4870	28.385	-20.656	-3.197	-0.834000
HETATM17920	H1	WAT	4870	29.167	-21.170	-2.996	0.417000
HETATM17921	H2	WAT	4870	28.665	-19.746	-3.104	0.417000
HETATM17922	O	WAT	4871	-1.965	-12.536	-23.378	-0.834000
HETATM17923	H1	WAT	4871	-1.427	-11.781	-23.137	0.417000
HETATM17924	H2	WAT	4871	-2.832	-12.167	-23.548	0.417000
HETATM17925	O	WAT	4872	1.413	-1.495	25.040	-0.834000
HETATM17926	H1	WAT	4872	2.246	-1.921	25.241	0.417000
HETATM17927	H2	WAT	4872	0.754	-2.173	25.191	0.417000
HETATM17928	O	WAT	4873	14.086	12.669	25.115	-0.834000
HETATM17929	H1	WAT	4873	13.964	11.945	24.500	0.417000
HETATM17930	H2	WAT	4873	13.554	13.380	24.756	0.417000
HETATM17931	O	WAT	4874	12.084	-32.380	3.096	-0.834000
HETATM17932	H1	WAT	4874	12.061	-32.311	4.051	0.417000
HETATM17933	H2	WAT	4874	11.998	-31.478	2.789	0.417000
HETATM17934	O	WAT	4875	-22.886	12.917	-7.527	-0.834000
HETATM17935	H1	WAT	4875	-23.405	12.428	-6.888	0.417000
HETATM17936	H2	WAT	4875	-22.916	13.822	-7.218	0.417000
HETATM17937	O	WAT	4876	28.878	14.744	9.686	-0.834000
HETATM17938	H1	WAT	4876	29.359	14.363	10.421	0.417000
HETATM17939	H2	WAT	4876	28.606	13.991	9.161	0.417000
HETATM17940	O	WAT	4877	-5.722	18.622	-19.875	-0.834000
HETATM17941	H1	WAT	4877	-5.376	19.370	-20.363	0.417000
HETATM17942	H2	WAT	4877	-5.412	17.857	-20.359	0.417000
HETATM17943	O	WAT	4878	-18.081	13.385	2.750	-0.834000
HETATM17944	H1	WAT	4878	-17.333	13.190	2.187	0.417000
HETATM17945	H2	WAT	4878	-18.556	14.076	2.287	0.417000
HETATM17946	O	WAT	4879	3.420	20.381	22.760	-0.834000
HETATM17947	H1	WAT	4879	3.026	19.801	23.410	0.417000
HETATM17948	H2	WAT	4879	4.044	19.827	22.291	0.417000
HETATM17949	O	WAT	4880	-10.341	18.910	9.667	-0.834000
HETATM17950	H1	WAT	4880	-9.914	18.941	8.810	0.417000
HETATM17951	H2	WAT	4880	-11.276	18.949	9.469	0.417000
HETATM17952	O	WAT	4881	-16.787	6.084	22.833	-0.834000
HETATM17953	H1	WAT	4881	-16.250	5.693	23.522	0.417000
HETATM17954	H2	WAT	4881	-17.594	6.345	23.278	0.417000
HETATM17955	O	WAT	4882	-20.765	-14.540	-0.096	-0.834000
HETATM17956	H1	WAT	4882	-20.132	-15.094	0.360	0.417000
HETATM17957	H2	WAT	4882	-21.569	-15.059	-0.113	0.417000
HETATM17958	O	WAT	4883	-19.492	-15.315	16.854	-0.834000
HETATM17959	H1	WAT	4883	-18.840	-14.707	17.202	0.417000
HETATM17960	H2	WAT	4883	-20.280	-15.140	17.369	0.417000
HETATM17961	O	WAT	4884	14.837	-13.935	23.647	-0.834000
HETATM17962	H1	WAT	4884	15.213	-14.051	24.519	0.417000
HETATM17963	H2	WAT	4884	14.076	-13.372	23.787	0.417000
HETATM17964	O	WAT	4885	-2.495	-20.424	11.232	-0.834000
HETATM17965	H1	WAT	4885	-2.436	-20.360	10.279	0.417000
HETATM17966	H2	WAT	4885	-1.707	-20.902	11.490	0.417000
HETATM17967	O	WAT	4886	-26.729	18.991	-10.347	-0.834000
HETATM17968	H1	WAT	4886	-27.354	18.282	-10.192	0.417000
HETATM17969	H2	WAT	4886	-25.910	18.675	-9.966	0.417000
HETATM17970	O	WAT	4887	-2.760	25.720	-5.461	-0.834000
HETATM17971	H1	WAT	4887	-2.489	25.403	-4.599	0.417000
HETATM17972	H2	WAT	4887	-2.401	25.080	-6.075	0.417000
HETATM17973	O	WAT	4888	-19.624	-25.134	-2.329	-0.834000
HETATM17974	H1	WAT	4888	-18.889	-24.523	-2.281	0.417000
HETATM17975	H2	WAT	4888	-19.226	-25.996	-2.212	0.417000
HETATM17976	O	WAT	4889	26.958	3.141	-13.417	-0.834000
HETATM17977	H1	WAT	4889	27.319	2.273	-13.596	0.417000
HETATM17978	H2	WAT	4889	27.378	3.412	-12.601	0.417000
HETATM17979	O	WAT	4890	-5.788	-29.742	16.124	-0.834000
HETATM17980	H1	WAT	4890	-6.518	-29.174	15.879	0.417000
HETATM17981	H2	WAT	4890	-5.237	-29.195	16.685	0.417000
HETATM17982	O	WAT	4891	25.864	-0.316	-7.122	-0.834000
HETATM17983	H1	WAT	4891	25.244	0.413	-7.117	0.417000
HETATM17984	H2	WAT	4891	25.370	-1.054	-6.764	0.417000
HETATM17985	O	WAT	4892	-7.633	-6.716	32.955	-0.834000
HETATM17986	H1	WAT	4892	-8.313	-6.815	33.622	0.417000
HETATM17987	H2	WAT	4892	-6.960	-7.349	33.204	0.417000

HETATM17988	O	WAT	4893	-13.854	8.794	-15.947	-0.834000
HETATM17989	H1	WAT	4893	-13.280	8.064	-15.714	0.417000
HETATM17990	H2	WAT	4893	-14.600	8.382	-16.383	0.417000
HETATM17991	O	WAT	4894	19.833	-20.614	-4.000	-0.834000
HETATM17992	H1	WAT	4894	20.145	-20.710	-4.900	0.417000
HETATM17993	H2	WAT	4894	19.086	-21.210	-3.941	0.417000
HETATM17994	O	WAT	4895	-18.404	22.052	13.287	-0.834000
HETATM17995	H1	WAT	4895	-18.906	22.857	13.405	0.417000
HETATM17996	H2	WAT	4895	-17.710	22.103	13.944	0.417000
HETATM17997	O	WAT	4896	-17.949	-4.460	-4.166	-0.834000
HETATM17998	H1	WAT	4896	-17.146	-3.967	-3.997	0.417000
HETATM17999	H2	WAT	4896	-18.463	-3.892	-4.739	0.417000
HETATM18000	O	WAT	4897	28.142	1.632	1.487	-0.834000
HETATM18001	H1	WAT	4897	28.485	2.504	1.684	0.417000
HETATM18002	H2	WAT	4897	28.728	1.034	1.950	0.417000
HETATM18003	O	WAT	4898	21.131	3.007	8.990	-0.834000
HETATM18004	H1	WAT	4898	21.565	3.756	8.581	0.417000
HETATM18005	H2	WAT	4898	21.785	2.651	9.591	0.417000
HETATM18006	O	WAT	4899	3.984	18.486	15.850	-0.834000
HETATM18007	H1	WAT	4899	3.889	18.067	14.994	0.417000
HETATM18008	H2	WAT	4899	3.694	19.387	15.709	0.417000
HETATM18009	O	WAT	4900	9.523	18.830	-23.244	-0.834000
HETATM18010	H1	WAT	4900	9.032	18.905	-24.062	0.417000
HETATM18011	H2	WAT	4900	10.377	19.215	-23.442	0.417000
HETATM18012	O	WAT	4901	26.169	9.809	4.929	-0.834000
HETATM18013	H1	WAT	4901	26.746	9.209	4.456	0.417000
HETATM18014	H2	WAT	4901	25.371	9.841	4.400	0.417000
HETATM18015	O	WAT	4902	-2.288	-21.754	16.442	-0.834000
HETATM18016	H1	WAT	4902	-3.239	-21.722	16.338	0.417000
HETATM18017	H2	WAT	4902	-2.013	-22.501	15.911	0.417000
HETATM18018	O	WAT	4903	-11.053	23.455	21.521	-0.834000
HETATM18019	H1	WAT	4903	-10.574	22.632	21.422	0.417000
HETATM18020	H2	WAT	4903	-10.371	24.123	21.592	0.417000
HETATM18021	O	WAT	4904	13.005	-27.731	-15.127	-0.834000
HETATM18022	H1	WAT	4904	13.958	-27.749	-15.215	0.417000
HETATM18023	H2	WAT	4904	12.681	-27.744	-16.027	0.417000
HETATM18024	O	WAT	4905	23.244	-15.500	11.201	-0.834000
HETATM18025	H1	WAT	4905	23.590	-15.888	10.397	0.417000
HETATM18026	H2	WAT	4905	22.713	-14.761	10.902	0.417000
HETATM18027	O	WAT	4906	-4.693	-3.821	-32.427	-0.834000
HETATM18028	H1	WAT	4906	-4.844	-3.649	-31.497	0.417000
HETATM18029	H2	WAT	4906	-4.092	-3.129	-32.703	0.417000
HETATM18030	O	WAT	4907	7.823	-25.180	23.857	-0.834000
HETATM18031	H1	WAT	4907	8.464	-25.332	23.163	0.417000
HETATM18032	H2	WAT	4907	7.034	-24.893	23.397	0.417000
HETATM18033	O	WAT	4908	-25.686	-18.703	10.741	-0.834000
HETATM18034	H1	WAT	4908	-26.299	-18.812	10.014	0.417000
HETATM18035	H2	WAT	4908	-25.973	-17.900	11.177	0.417000
HETATM18036	O	WAT	4909	-14.432	-17.087	19.449	-0.834000
HETATM18037	H1	WAT	4909	-14.559	-17.760	18.780	0.417000
HETATM18038	H2	WAT	4909	-15.191	-16.511	19.357	0.417000
HETATM18039	O	WAT	4910	29.258	-4.209	-13.340	-0.834000
HETATM18040	H1	WAT	4910	29.474	-3.792	-14.174	0.417000
HETATM18041	H2	WAT	4910	28.302	-4.214	-13.316	0.417000
HETATM18042	O	WAT	4911	-5.498	-3.421	30.925	-0.834000
HETATM18043	H1	WAT	4911	-6.428	-3.323	31.131	0.417000
HETATM18044	H2	WAT	4911	-5.130	-2.547	31.056	0.417000
HETATM18045	O	WAT	4912	-0.506	-21.022	7.734	-0.834000
HETATM18046	H1	WAT	4912	-0.522	-21.813	8.272	0.417000
HETATM18047	H2	WAT	4912	-1.279	-20.529	8.009	0.417000
HETATM18048	O	WAT	4913	-2.829	-19.777	8.456	-0.834000
HETATM18049	H1	WAT	4913	-3.094	-19.738	7.537	0.417000
HETATM18050	H2	WAT	4913	-3.521	-19.310	8.925	0.417000
HETATM18051	O	WAT	4914	-18.118	-24.729	7.019	-0.834000
HETATM18052	H1	WAT	4914	-17.233	-24.414	7.202	0.417000
HETATM18053	H2	WAT	4914	-18.005	-25.362	6.310	0.417000
HETATM18054	O	WAT	4915	-5.993	28.410	-6.600	-0.834000
HETATM18055	H1	WAT	4915	-6.418	28.932	-5.919	0.417000
HETATM18056	H2	WAT	4915	-6.629	28.385	-7.314	0.417000
HETATM18057	O	WAT	4916	-27.948	13.197	-6.064	-0.834000

HETATM18058	H1	WAT	4916	-27.909	12.384	-6.568	0.417000
HETATM18059	H2	WAT	4916	-28.783	13.150	-5.599	0.417000
HETATM18060	O	WAT	4917	31.900	-8.137	2.730	-0.834000
HETATM18061	H1	WAT	4917	31.438	-8.918	2.425	0.417000
HETATM18062	H2	WAT	4917	32.006	-7.600	1.945	0.417000
HETATM18063	O	WAT	4918	-0.693	5.560	-24.730	-0.834000
HETATM18064	H1	WAT	4918	-0.685	6.353	-24.194	0.417000
HETATM18065	H2	WAT	4918	-0.569	5.876	-25.625	0.417000
HETATM18066	O	WAT	4919	-12.725	-32.995	-5.709	-0.834000
HETATM18067	H1	WAT	4919	-12.640	-32.056	-5.876	0.417000
HETATM18068	H2	WAT	4919	-13.179	-33.335	-6.480	0.417000
HETATM18069	O	WAT	4920	-13.801	-14.329	-11.888	-0.834000
HETATM18070	H1	WAT	4920	-13.792	-14.909	-11.126	0.417000
HETATM18071	H2	WAT	4920	-14.577	-14.596	-12.382	0.417000
HETATM18072	O	WAT	4921	19.477	-8.230	5.247	-0.834000
HETATM18073	H1	WAT	4921	18.524	-8.253	5.334	0.417000
HETATM18074	H2	WAT	4921	19.802	-8.600	6.068	0.417000
HETATM18075	O	WAT	4922	-9.739	-25.673	13.502	-0.834000
HETATM18076	H1	WAT	4922	-10.193	-26.040	12.743	0.417000
HETATM18077	H2	WAT	4922	-10.120	-26.128	14.253	0.417000
HETATM18078	O	WAT	4923	3.105	9.666	-18.537	-0.834000
HETATM18079	H1	WAT	4923	2.588	8.880	-18.714	0.417000
HETATM18080	H2	WAT	4923	2.518	10.231	-18.034	0.417000
HETATM18081	O	WAT	4924	-8.204	22.094	-14.498	-0.834000
HETATM18082	H1	WAT	4924	-7.458	22.325	-15.051	0.417000
HETATM18083	H2	WAT	4924	-7.929	22.333	-13.613	0.417000
HETATM18084	O	WAT	4925	-3.398	-20.576	-22.115	-0.834000
HETATM18085	H1	WAT	4925	-2.640	-20.192	-22.555	0.417000
HETATM18086	H2	WAT	4925	-3.388	-20.190	-21.239	0.417000
HETATM18087	O	WAT	4926	-19.410	10.147	28.016	-0.834000
HETATM18088	H1	WAT	4926	-19.127	10.271	28.922	0.417000
HETATM18089	H2	WAT	4926	-18.622	9.859	27.556	0.417000
HETATM18090	O	WAT	4927	30.887	-11.120	-3.714	-0.834000
HETATM18091	H1	WAT	4927	31.068	-11.153	-4.653	0.417000
HETATM18092	H2	WAT	4927	30.046	-10.667	-3.648	0.417000
HETATM18093	O	WAT	4928	1.182	3.537	-24.543	-0.834000
HETATM18094	H1	WAT	4928	0.550	4.251	-24.621	0.417000
HETATM18095	H2	WAT	4928	0.665	2.791	-24.239	0.417000
HETATM18096	O	WAT	4929	0.847	28.621	10.610	-0.834000
HETATM18097	H1	WAT	4929	1.456	27.919	10.382	0.417000
HETATM18098	H2	WAT	4929	1.183	29.389	10.148	0.417000
HETATM18099	O	WAT	4930	-19.647	-4.590	28.175	-0.834000
HETATM18100	H1	WAT	4930	-19.210	-5.230	28.736	0.417000
HETATM18101	H2	WAT	4930	-19.451	-3.744	28.579	0.417000
HETATM18102	O	WAT	4931	-5.256	-19.554	-7.753	-0.834000
HETATM18103	H1	WAT	4931	-4.555	-18.954	-7.499	0.417000
HETATM18104	H2	WAT	4931	-5.253	-20.227	-7.072	0.417000
HETATM18105	O	WAT	4932	-6.949	-17.339	-15.399	-0.834000
HETATM18106	H1	WAT	4932	-6.901	-17.187	-16.343	0.417000
HETATM18107	H2	WAT	4932	-7.887	-17.357	-15.207	0.417000
HETATM18108	O	WAT	4933	25.751	3.101	-8.721	-0.834000
HETATM18109	H1	WAT	4933	26.489	2.545	-8.969	0.417000
HETATM18110	H2	WAT	4933	25.190	2.533	-8.192	0.417000
HETATM18111	O	WAT	4934	9.954	7.093	-24.604	-0.834000
HETATM18112	H1	WAT	4934	9.788	7.904	-24.123	0.417000
HETATM18113	H2	WAT	4934	10.794	6.782	-24.266	0.417000
HETATM18114	O	WAT	4935	-9.892	-25.197	-19.531	-0.834000
HETATM18115	H1	WAT	4935	-10.170	-24.500	-20.126	0.417000
HETATM18116	H2	WAT	4935	-10.212	-26.002	-19.940	0.417000
HETATM18117	O	WAT	4936	0.906	-10.004	32.836	-0.834000
HETATM18118	H1	WAT	4936	1.200	-9.344	32.209	0.417000
HETATM18119	H2	WAT	4936	-0.038	-9.861	32.911	0.417000
HETATM18120	O	WAT	4937	16.759	0.829	-29.769	-0.834000
HETATM18121	H1	WAT	4937	16.653	0.653	-30.704	0.417000
HETATM18122	H2	WAT	4937	16.004	0.407	-29.359	0.417000
HETATM18123	O	WAT	4938	-9.386	-21.715	21.999	-0.834000
HETATM18124	H1	WAT	4938	-8.510	-21.350	22.122	0.417000
HETATM18125	H2	WAT	4938	-9.968	-21.093	22.435	0.417000
HETATM18126	O	WAT	4939	18.485	-15.793	15.542	-0.834000
HETATM18127	H1	WAT	4939	18.728	-15.686	16.461	0.417000

HETATM18128	H2	WAT	4939	17.586	-15.469	15.492	0.417000
HETATM18129	O	WAT	4940	15.690	-12.312	-25.757	-0.834000
HETATM18130	H1	WAT	4940	15.057	-12.904	-25.352	0.417000
HETATM18131	H2	WAT	4940	15.611	-12.482	-26.696	0.417000
HETATM18132	O	WAT	4941	-5.094	-21.446	-5.788	-0.834000
HETATM18133	H1	WAT	4941	-4.319	-21.256	-5.260	0.417000
HETATM18134	H2	WAT	4941	-5.060	-22.392	-5.931	0.417000
HETATM18135	O	WAT	4942	-4.629	10.471	-11.862	-0.834000
HETATM18136	H1	WAT	4942	-4.682	9.784	-12.525	0.417000
HETATM18137	H2	WAT	4942	-5.541	10.660	-11.640	0.417000
HETATM18138	O	WAT	4943	17.689	17.221	-7.712	-0.834000
HETATM18139	H1	WAT	4943	16.861	17.697	-7.777	0.417000
HETATM18140	H2	WAT	4943	18.249	17.788	-7.182	0.417000
HETATM18141	O	WAT	4944	-1.433	-27.449	20.556	-0.834000
HETATM18142	H1	WAT	4944	-1.556	-27.060	21.422	0.417000
HETATM18143	H2	WAT	4944	-0.916	-26.803	20.075	0.417000
HETATM18144	O	WAT	4945	23.776	0.818	7.983	-0.834000
HETATM18145	H1	WAT	4945	23.651	1.400	7.233	0.417000
HETATM18146	H2	WAT	4945	23.683	1.387	8.746	0.417000
HETATM18147	O	WAT	4946	-13.128	-18.175	-18.857	-0.834000
HETATM18148	H1	WAT	4946	-13.124	-19.121	-18.712	0.417000
HETATM18149	H2	WAT	4946	-12.929	-18.075	-19.788	0.417000
HETATM18150	O	WAT	4947	11.120	19.100	6.143	-0.834000
HETATM18151	H1	WAT	4947	10.778	19.758	6.748	0.417000
HETATM18152	H2	WAT	4947	11.641	19.600	5.515	0.417000
HETATM18153	O	WAT	4948	9.890	-24.463	11.574	-0.834000
HETATM18154	H1	WAT	4948	8.996	-24.631	11.276	0.417000
HETATM18155	H2	WAT	4948	10.100	-23.597	11.224	0.417000
HETATM18156	O	WAT	4949	16.492	26.243	1.850	-0.834000
HETATM18157	H1	WAT	4949	16.076	25.664	2.489	0.417000
HETATM18158	H2	WAT	4949	16.520	27.096	2.284	0.417000
HETATM18159	O	WAT	4950	4.381	-28.952	-4.376	-0.834000
HETATM18160	H1	WAT	4950	3.637	-28.386	-4.167	0.417000
HETATM18161	H2	WAT	4950	4.378	-29.615	-3.685	0.417000
HETATM18162	O	WAT	4951	23.453	-21.457	-2.201	-0.834000
HETATM18163	H1	WAT	4951	23.451	-20.608	-2.642	0.417000
HETATM18164	H2	WAT	4951	23.949	-22.030	-2.785	0.417000
HETATM18165	O	WAT	4952	-2.194	-1.188	-25.123	-0.834000
HETATM18166	H1	WAT	4952	-1.840	-2.054	-25.329	0.417000
HETATM18167	H2	WAT	4952	-1.795	-0.961	-24.283	0.417000
HETATM18168	O	WAT	4953	-8.892	-7.586	-24.848	-0.834000
HETATM18169	H1	WAT	4953	-8.170	-7.929	-24.321	0.417000
HETATM18170	H2	WAT	4953	-9.651	-8.106	-24.581	0.417000
HETATM18171	O	WAT	4954	4.669	-23.986	-1.872	-0.834000
HETATM18172	H1	WAT	4954	5.596	-23.760	-1.799	0.417000
HETATM18173	H2	WAT	4954	4.590	-24.823	-1.414	0.417000
HETATM18174	O	WAT	4955	-15.143	-15.495	-15.801	-0.834000
HETATM18175	H1	WAT	4955	-14.623	-16.204	-15.423	0.417000
HETATM18176	H2	WAT	4955	-15.446	-15.841	-16.640	0.417000
HETATM18177	O	WAT	4956	-28.123	6.485	9.970	-0.834000
HETATM18178	H1	WAT	4956	-27.435	7.070	10.285	0.417000
HETATM18179	H2	WAT	4956	-27.668	5.865	9.400	0.417000
HETATM18180	O	WAT	4957	-2.294	-33.321	-7.352	-0.834000
HETATM18181	H1	WAT	4957	-2.029	-32.459	-7.032	0.417000
HETATM18182	H2	WAT	4957	-2.890	-33.134	-8.077	0.417000
HETATM18183	O	WAT	4958	-19.628	4.793	25.418	-0.834000
HETATM18184	H1	WAT	4958	-20.581	4.740	25.353	0.417000
HETATM18185	H2	WAT	4958	-19.399	5.590	24.940	0.417000
HETATM18186	O	WAT	4959	1.150	-30.447	17.265	-0.834000
HETATM18187	H1	WAT	4959	0.798	-31.337	17.264	0.417000
HETATM18188	H2	WAT	4959	0.498	-29.932	17.740	0.417000
HETATM18189	O	WAT	4960	2.283	3.710	29.760	-0.834000
HETATM18190	H1	WAT	4960	2.222	2.755	29.765	0.417000
HETATM18191	H2	WAT	4960	2.072	3.959	28.860	0.417000
HETATM18192	O	WAT	4961	21.650	16.298	13.182	-0.834000
HETATM18193	H1	WAT	4961	21.051	16.396	13.922	0.417000
HETATM18194	H2	WAT	4961	21.314	15.543	12.700	0.417000
HETATM18195	O	WAT	4962	24.939	-9.299	14.263	-0.834000
HETATM18196	H1	WAT	4962	24.765	-10.199	14.538	0.417000
HETATM18197	H2	WAT	4962	25.893	-9.242	14.220	0.417000

HETATM18198	O	WAT	4963	-2.923	-23.857	22.671	-0.834000
HETATM18199	H1	WAT	4963	-2.144	-23.309	22.770	0.417000
HETATM18200	H2	WAT	4963	-2.606	-24.750	22.801	0.417000
HETATM18201	O	WAT	4964	-17.573	3.061	24.867	-0.834000
HETATM18202	H1	WAT	4964	-17.756	2.290	25.403	0.417000
HETATM18203	H2	WAT	4964	-18.311	3.648	25.031	0.417000
HETATM18204	O	WAT	4965	3.323	13.639	-18.082	-0.834000
HETATM18205	H1	WAT	4965	3.029	14.117	-18.857	0.417000
HETATM18206	H2	WAT	4965	4.258	13.493	-18.230	0.417000
HETATM18207	O	WAT	4966	9.161	8.782	-33.399	-0.834000
HETATM18208	H1	WAT	4966	9.107	8.834	-32.445	0.417000
HETATM18209	H2	WAT	4966	8.320	8.411	-33.666	0.417000
HETATM18210	O	WAT	4967	8.128	-28.039	4.718	-0.834000
HETATM18211	H1	WAT	4967	7.249	-28.119	5.087	0.417000
HETATM18212	H2	WAT	4967	8.604	-27.496	5.347	0.417000
HETATM18213	O	WAT	4968	-21.453	-27.129	-7.269	-0.834000
HETATM18214	H1	WAT	4968	-21.308	-26.541	-6.528	0.417000
HETATM18215	H2	WAT	4968	-20.856	-27.862	-7.114	0.417000
HETATM18216	O	WAT	4969	-27.390	-13.048	-8.096	-0.834000
HETATM18217	H1	WAT	4969	-26.558	-12.809	-8.505	0.417000
HETATM18218	H2	WAT	4969	-27.353	-12.650	-7.227	0.417000
HETATM18219	O	WAT	4970	23.473	-10.275	-15.627	-0.834000
HETATM18220	H1	WAT	4970	23.002	-9.449	-15.517	0.417000
HETATM18221	H2	WAT	4970	23.906	-10.193	-16.477	0.417000
HETATM18222	O	WAT	4971	-26.138	-4.841	15.402	-0.834000
HETATM18223	H1	WAT	4971	-26.368	-4.059	15.904	0.417000
HETATM18224	H2	WAT	4971	-26.074	-5.536	16.057	0.417000
HETATM18225	O	WAT	4972	-14.406	25.908	-1.872	-0.834000
HETATM18226	H1	WAT	4972	-13.585	26.392	-1.963	0.417000
HETATM18227	H2	WAT	4972	-14.301	25.409	-1.062	0.417000
HETATM18228	O	WAT	4973	1.225	20.299	-28.756	-0.834000
HETATM18229	H1	WAT	4973	1.942	20.887	-28.518	0.417000
HETATM18230	H2	WAT	4973	0.542	20.480	-28.111	0.417000
HETATM18231	O	WAT	4974	-5.079	-6.508	-20.469	-0.834000
HETATM18232	H1	WAT	4974	-5.042	-6.829	-21.370	0.417000
HETATM18233	H2	WAT	4974	-5.073	-7.300	-19.932	0.417000
HETATM18234	O	WAT	4975	7.387	-24.931	-4.224	-0.834000
HETATM18235	H1	WAT	4975	7.329	-25.885	-4.261	0.417000
HETATM18236	H2	WAT	4975	6.718	-24.626	-4.837	0.417000
HETATM18237	O	WAT	4976	12.620	7.482	17.096	-0.834000
HETATM18238	H1	WAT	4976	13.519	7.216	16.905	0.417000
HETATM18239	H2	WAT	4976	12.083	6.944	16.513	0.417000
HETATM18240	O	WAT	4977	-1.049	33.889	8.676	-0.834000
HETATM18241	H1	WAT	4977	-0.347	34.531	8.565	0.417000
HETATM18242	H2	WAT	4977	-0.799	33.162	8.106	0.417000
HETATM18243	O	WAT	4978	7.203	21.654	19.681	-0.834000
HETATM18244	H1	WAT	4978	7.090	21.060	18.940	0.417000
HETATM18245	H2	WAT	4978	6.416	22.199	19.675	0.417000
HETATM18246	O	WAT	4979	-15.107	-25.847	4.323	-0.834000
HETATM18247	H1	WAT	4979	-14.661	-25.964	5.162	0.417000
HETATM18248	H2	WAT	4979	-16.034	-25.968	4.526	0.417000
HETATM18249	O	WAT	4980	21.685	8.620	12.230	-0.834000
HETATM18250	H1	WAT	4980	20.972	8.200	11.751	0.417000
HETATM18251	H2	WAT	4980	21.651	8.230	13.103	0.417000
HETATM18252	O	WAT	4981	12.545	-12.000	-23.312	-0.834000
HETATM18253	H1	WAT	4981	11.970	-11.595	-23.961	0.417000
HETATM18254	H2	WAT	4981	13.029	-12.665	-23.803	0.417000
HETATM18255	O	WAT	4982	-28.334	-14.835	10.932	-0.834000
HETATM18256	H1	WAT	4982	-27.985	-14.789	10.042	0.417000
HETATM18257	H2	WAT	4982	-29.143	-15.340	10.846	0.417000
HETATM18258	O	WAT	4983	-0.615	33.523	1.603	-0.834000
HETATM18259	H1	WAT	4983	-0.603	34.429	1.295	0.417000
HETATM18260	H2	WAT	4983	-0.863	33.011	0.833	0.417000
HETATM18261	O	WAT	4984	-10.559	-23.047	-2.571	-0.834000
HETATM18262	H1	WAT	4984	-10.337	-22.143	-2.351	0.417000
HETATM18263	H2	WAT	4984	-11.501	-23.108	-2.415	0.417000
HETATM18264	O	WAT	4985	0.354	-27.954	-5.747	-0.834000
HETATM18265	H1	WAT	4985	-0.503	-27.564	-5.574	0.417000
HETATM18266	H2	WAT	4985	0.275	-28.854	-5.431	0.417000
HETATM18267	O	WAT	4986	-27.778	4.694	-17.935	-0.834000

HETATM18268	H1	WAT	4986	-27.819	5.587	-18.277	0.417000
HETATM18269	H2	WAT	4986	-28.648	4.538	-17.568	0.417000
HETATM18270	O	WAT	4987	4.676	22.443	2.735	-0.834000
HETATM18271	H1	WAT	4987	4.409	22.661	3.628	0.417000
HETATM18272	H2	WAT	4987	4.880	23.287	2.333	0.417000
HETATM18273	O	WAT	4988	-4.807	-32.932	11.119	-0.834000
HETATM18274	H1	WAT	4988	-5.590	-32.472	11.421	0.417000
HETATM18275	H2	WAT	4988	-4.300	-33.093	11.915	0.417000
HETATM18276	O	WAT	4989	7.199	-29.678	1.301	-0.834000
HETATM18277	H1	WAT	4989	7.987	-29.937	1.779	0.417000
HETATM18278	H2	WAT	4989	6.476	-29.976	1.853	0.417000
HETATM18279	O	WAT	4990	29.665	-18.300	-2.590	-0.834000
HETATM18280	H1	WAT	4990	29.477	-17.388	-2.368	0.417000
HETATM18281	H2	WAT	4990	30.271	-18.247	-3.328	0.417000
HETATM18282	O	WAT	4991	-22.188	9.324	23.993	-0.834000
HETATM18283	H1	WAT	4991	-22.018	9.367	24.934	0.417000
HETATM18284	H2	WAT	4991	-21.597	9.973	23.612	0.417000
HETATM18285	O	WAT	4992	10.924	-25.162	-8.621	-0.834000
HETATM18286	H1	WAT	4992	11.043	-24.385	-8.073	0.417000
HETATM18287	H2	WAT	4992	11.032	-25.898	-8.019	0.417000
HETATM18288	O	WAT	4993	-19.178	11.491	4.279	-0.834000
HETATM18289	H1	WAT	4993	-19.809	11.016	3.738	0.417000
HETATM18290	H2	WAT	4993	-18.858	12.194	3.714	0.417000
HETATM18291	O	WAT	4994	-14.772	30.568	-9.877	-0.834000
HETATM18292	H1	WAT	4994	-15.131	29.779	-10.283	0.417000
HETATM18293	H2	WAT	4994	-15.033	30.504	-8.958	0.417000
HETATM18294	O	WAT	4995	11.872	19.985	-23.956	-0.834000
HETATM18295	H1	WAT	4995	12.575	19.802	-23.332	0.417000
HETATM18296	H2	WAT	4995	12.234	19.734	-24.805	0.417000
HETATM18297	O	WAT	4996	-25.588	8.039	-4.845	-0.834000
HETATM18298	H1	WAT	4996	-24.685	7.724	-4.796	0.417000
HETATM18299	H2	WAT	4996	-25.603	8.602	-5.619	0.417000
HETATM18300	O	WAT	4997	-0.980	0.113	-27.248	-0.834000
HETATM18301	H1	WAT	4997	-1.435	-0.359	-27.945	0.417000
HETATM18302	H2	WAT	4997	-1.330	-0.258	-26.439	0.417000
HETATM18303	O	WAT	4998	-28.812	-0.167	-13.536	-0.834000
HETATM18304	H1	WAT	4998	-28.407	0.667	-13.774	0.417000
HETATM18305	H2	WAT	4998	-29.438	0.059	-12.847	0.417000
HETATM18306	O	WAT	4999	-11.533	31.101	5.655	-0.834000
HETATM18307	H1	WAT	4999	-11.091	31.628	6.320	0.417000
HETATM18308	H2	WAT	4999	-10.905	30.413	5.437	0.417000
HETATM18309	O	WAT	5000	23.370	-2.975	11.028	-0.834000
HETATM18310	H1	WAT	5000	23.709	-3.820	11.325	0.417000
HETATM18311	H2	WAT	5000	23.561	-2.956	10.090	0.417000
HETATM18312	O	WAT	5001	-1.627	15.988	28.114	-0.834000
HETATM18313	H1	WAT	5001	-1.889	15.433	28.849	0.417000
HETATM18314	H2	WAT	5001	-2.270	16.697	28.107	0.417000
HETATM18315	O	WAT	5002	-7.137	-0.309	-34.331	-0.834000
HETATM18316	H1	WAT	5002	-6.643	0.025	-35.079	0.417000
HETATM18317	H2	WAT	5002	-6.654	0.005	-33.566	0.417000
HETATM18318	O	WAT	5003	8.169	29.319	-16.710	-0.834000
HETATM18319	H1	WAT	5003	7.969	28.704	-17.415	0.417000
HETATM18320	H2	WAT	5003	7.354	29.387	-16.212	0.417000
HETATM18321	O	WAT	5004	4.889	27.131	-10.488	-0.834000
HETATM18322	H1	WAT	5004	5.615	27.229	-11.103	0.417000
HETATM18323	H2	WAT	5004	4.213	27.722	-10.819	0.417000
HETATM18324	O	WAT	5005	5.075	12.183	-26.857	-0.834000
HETATM18325	H1	WAT	5005	5.155	11.707	-26.030	0.417000
HETATM18326	H2	WAT	5005	5.961	12.497	-27.039	0.417000
HETATM18327	O	WAT	5006	20.491	14.066	12.093	-0.834000
HETATM18328	H1	WAT	5006	20.967	13.628	11.387	0.417000
HETATM18329	H2	WAT	5006	20.330	13.377	12.737	0.417000
HETATM18330	O	WAT	5007	-17.923	-7.136	-5.022	-0.834000
HETATM18331	H1	WAT	5007	-18.008	-6.262	-4.642	0.417000
HETATM18332	H2	WAT	5007	-17.017	-7.177	-5.330	0.417000
HETATM18333	O	WAT	5008	14.427	23.852	-3.586	-0.834000
HETATM18334	H1	WAT	5008	15.341	24.129	-3.648	0.417000
HETATM18335	H2	WAT	5008	14.014	24.206	-4.373	0.417000
HETATM18336	O	WAT	5009	-8.014	-30.590	-14.301	-0.834000
HETATM18337	H1	WAT	5009	-7.877	-31.425	-13.854	0.417000

HETATM18338	H2	WAT	5009	-7.184	-30.416	-14.744	0.417000
HETATM18339	O	WAT	5010	-13.771	-15.614	12.359	-0.834000
HETATM18340	H1	WAT	5010	-13.407	-16.499	12.388	0.417000
HETATM18341	H2	WAT	5010	-13.980	-15.472	11.436	0.417000
HETATM18342	O	WAT	5011	-9.633	-14.623	14.228	-0.834000
HETATM18343	H1	WAT	5011	-9.072	-14.344	14.952	0.417000
HETATM18344	H2	WAT	5011	-9.424	-15.550	14.106	0.417000
HETATM18345	O	WAT	5012	12.519	30.266	-7.658	-0.834000
HETATM18346	H1	WAT	5012	12.013	30.786	-8.282	0.417000
HETATM18347	H2	WAT	5012	12.408	29.363	-7.954	0.417000
HETATM18348	O	WAT	5013	-0.844	-28.833	-1.579	-0.834000
HETATM18349	H1	WAT	5013	-1.575	-28.448	-2.063	0.417000
HETATM18350	H2	WAT	5013	-0.161	-28.163	-1.604	0.417000
HETATM18351	O	WAT	5014	-7.387	9.566	28.593	-0.834000
HETATM18352	H1	WAT	5014	-6.919	9.650	27.762	0.417000
HETATM18353	H2	WAT	5014	-6.699	9.413	29.241	0.417000
HETATM18354	O	WAT	5015	8.783	-29.416	-5.639	-0.834000
HETATM18355	H1	WAT	5015	8.813	-29.015	-6.508	0.417000
HETATM18356	H2	WAT	5015	8.112	-28.920	-5.170	0.417000
HETATM18357	O	WAT	5016	2.179	-31.093	-14.611	-0.834000
HETATM18358	H1	WAT	5016	2.266	-30.905	-15.546	0.417000
HETATM18359	H2	WAT	5016	1.720	-30.332	-14.255	0.417000
HETATM18360	O	WAT	5017	-22.765	6.735	-24.833	-0.834000
HETATM18361	H1	WAT	5017	-22.097	6.179	-25.234	0.417000
HETATM18362	H2	WAT	5017	-22.988	7.370	-25.514	0.417000
HETATM18363	O	WAT	5018	29.980	3.236	-16.820	-0.834000
HETATM18364	H1	WAT	5018	30.434	2.765	-17.518	0.417000
HETATM18365	H2	WAT	5018	29.088	3.352	-17.149	0.417000
HETATM18366	O	WAT	5019	5.426	23.191	-8.035	-0.834000
HETATM18367	H1	WAT	5019	4.999	23.762	-8.674	0.417000
HETATM18368	H2	WAT	5019	5.847	23.793	-7.420	0.417000
HETATM18369	O	WAT	5020	12.752	13.762	-3.381	-0.834000
HETATM18370	H1	WAT	5020	13.167	12.936	-3.131	0.417000
HETATM18371	H2	WAT	5020	12.896	13.827	-4.325	0.417000
HETATM18372	O	WAT	5021	-4.430	-10.925	-28.348	-0.834000
HETATM18373	H1	WAT	5021	-4.390	-11.838	-28.065	0.417000
HETATM18374	H2	WAT	5021	-4.231	-10.955	-29.284	0.417000
HETATM18375	O	WAT	5022	12.632	14.673	23.845	-0.834000
HETATM18376	H1	WAT	5022	11.746	15.032	23.898	0.417000
HETATM18377	H2	WAT	5022	12.805	14.600	22.906	0.417000
HETATM18378	O	WAT	5023	3.531	-23.499	-23.081	-0.834000
HETATM18379	H1	WAT	5023	3.255	-23.884	-22.249	0.417000
HETATM18380	H2	WAT	5023	3.815	-24.246	-23.608	0.417000
HETATM18381	O	WAT	5024	26.304	-13.490	-4.601	-0.834000
HETATM18382	H1	WAT	5024	26.148	-13.445	-3.658	0.417000
HETATM18383	H2	WAT	5024	27.229	-13.723	-4.680	0.417000
HETATM18384	O	WAT	5025	16.562	11.987	-15.873	-0.834000
HETATM18385	H1	WAT	5025	17.448	12.312	-15.712	0.417000
HETATM18386	H2	WAT	5025	16.134	12.691	-16.361	0.417000
HETATM18387	O	WAT	5026	-20.782	-3.912	24.080	-0.834000
HETATM18388	H1	WAT	5026	-21.641	-3.789	24.484	0.417000
HETATM18389	H2	WAT	5026	-20.507	-3.030	23.831	0.417000
HETATM18390	O	WAT	5027	9.455	-2.881	32.489	-0.834000
HETATM18391	H1	WAT	5027	9.084	-3.690	32.841	0.417000
HETATM18392	H2	WAT	5027	8.811	-2.207	32.707	0.417000
HETATM18393	O	WAT	5028	-20.330	7.257	15.876	-0.834000
HETATM18394	H1	WAT	5028	-19.482	7.617	16.137	0.417000
HETATM18395	H2	WAT	5028	-20.391	7.442	14.939	0.417000
HETATM18396	O	WAT	5029	-23.062	17.188	18.664	-0.834000
HETATM18397	H1	WAT	5029	-22.961	16.385	18.153	0.417000
HETATM18398	H2	WAT	5029	-23.493	17.799	18.068	0.417000
HETATM18399	O	WAT	5030	-18.297	-1.598	-22.556	-0.834000
HETATM18400	H1	WAT	5030	-19.034	-1.115	-22.929	0.417000
HETATM18401	H2	WAT	5030	-17.901	-0.987	-21.935	0.417000
HETATM18402	O	WAT	5031	-3.864	22.764	-3.588	-0.834000
HETATM18403	H1	WAT	5031	-3.281	23.502	-3.411	0.417000
HETATM18404	H2	WAT	5031	-3.278	22.016	-3.699	0.417000
HETATM18405	O	WAT	5032	17.136	-5.698	15.686	-0.834000
HETATM18406	H1	WAT	5032	17.549	-5.327	16.466	0.417000
HETATM18407	H2	WAT	5032	17.793	-6.293	15.326	0.417000

HETATM18408	O	WAT	5033	-11.774	20.028	1.220	-0.834000
HETATM18409	H1	WAT	5033	-12.346	20.585	1.748	0.417000
HETATM18410	H2	WAT	5033	-11.065	20.607	0.943	0.417000
HETATM18411	O	WAT	5034	-13.403	24.495	-13.144	-0.834000
HETATM18412	H1	WAT	5034	-13.939	24.171	-12.420	0.417000
HETATM18413	H2	WAT	5034	-13.691	25.400	-13.269	0.417000
HETATM18414	O	WAT	5035	16.015	9.693	-25.177	-0.834000
HETATM18415	H1	WAT	5035	16.752	9.575	-25.776	0.417000
HETATM18416	H2	WAT	5035	15.776	10.615	-25.269	0.417000
HETATM18417	O	WAT	5036	31.273	8.624	10.496	-0.834000
HETATM18418	H1	WAT	5036	31.054	7.958	11.149	0.417000
HETATM18419	H2	WAT	5036	30.893	9.432	10.842	0.417000
HETATM18420	O	WAT	5037	-16.990	22.415	-3.522	-0.834000
HETATM18421	H1	WAT	5037	-17.115	22.192	-4.444	0.417000
HETATM18422	H2	WAT	5037	-16.182	22.928	-3.507	0.417000
HETATM18423	O	WAT	5038	-20.885	5.273	-26.299	-0.834000
HETATM18424	H1	WAT	5038	-19.987	5.483	-26.042	0.417000
HETATM18425	H2	WAT	5038	-20.932	4.319	-26.249	0.417000
HETATM18426	O	WAT	5039	-4.798	-0.391	-25.564	-0.834000
HETATM18427	H1	WAT	5039	-3.910	-0.656	-25.322	0.417000
HETATM18428	H2	WAT	5039	-4.727	-0.129	-26.482	0.417000
HETATM18429	O	WAT	5040	18.667	5.973	17.227	-0.834000
HETATM18430	H1	WAT	5040	18.110	6.748	17.301	0.417000
HETATM18431	H2	WAT	5040	18.801	5.863	16.286	0.417000
HETATM18432	O	WAT	5041	27.811	8.080	3.570	-0.834000
HETATM18433	H1	WAT	5041	28.105	8.710	2.911	0.417000
HETATM18434	H2	WAT	5041	28.605	7.609	3.822	0.417000
HETATM18435	O	WAT	5042	-5.024	-14.461	7.070	-0.834000
HETATM18436	H1	WAT	5042	-5.852	-14.548	6.598	0.417000
HETATM18437	H2	WAT	5042	-5.166	-13.728	7.670	0.417000
HETATM18438	O	WAT	5043	7.275	21.509	2.887	-0.834000
HETATM18439	H1	WAT	5043	6.333	21.672	2.842	0.417000
HETATM18440	H2	WAT	5043	7.550	21.916	3.709	0.417000
HETATM18441	O	WAT	5044	8.865	25.660	-10.885	-0.834000
HETATM18442	H1	WAT	5044	8.828	25.581	-9.932	0.417000
HETATM18443	H2	WAT	5044	9.709	26.076	-11.059	0.417000
HETATM18444	O	WAT	5045	-21.727	-4.729	-1.109	-0.834000
HETATM18445	H1	WAT	5045	-20.891	-5.074	-1.420	0.417000
HETATM18446	H2	WAT	5045	-22.386	-5.213	-1.606	0.417000
HETATM18447	O	WAT	5046	-18.939	-1.628	-10.296	-0.834000
HETATM18448	H1	WAT	5046	-18.068	-1.662	-9.900	0.417000
HETATM18449	H2	WAT	5046	-18.772	-1.594	-11.238	0.417000
HETATM18450	O	WAT	5047	-6.705	33.659	5.902	-0.834000
HETATM18451	H1	WAT	5047	-7.099	34.467	5.572	0.417000
HETATM18452	H2	WAT	5047	-5.763	33.790	5.792	0.417000
HETATM18453	O	WAT	5048	18.468	-25.534	-0.119	-0.834000
HETATM18454	H1	WAT	5048	17.889	-24.994	-0.657	0.417000
HETATM18455	H2	WAT	5048	19.322	-25.468	-0.547	0.417000
HETATM18456	O	WAT	5049	-19.010	-14.032	-22.242	-0.834000
HETATM18457	H1	WAT	5049	-18.810	-13.121	-22.026	0.417000
HETATM18458	H2	WAT	5049	-19.038	-14.478	-21.395	0.417000
HETATM18459	O	WAT	5050	-3.323	-5.755	28.477	-0.834000
HETATM18460	H1	WAT	5050	-2.979	-5.025	27.962	0.417000
HETATM18461	H2	WAT	5050	-3.270	-6.508	27.889	0.417000
HETATM18462	O	WAT	5051	12.842	-28.049	15.567	-0.834000
HETATM18463	H1	WAT	5051	13.259	-27.479	16.213	0.417000
HETATM18464	H2	WAT	5051	12.784	-27.512	14.776	0.417000
HETATM18465	O	WAT	5052	4.714	-26.226	-0.316	-0.834000
HETATM18466	H1	WAT	5052	4.927	-25.850	0.538	0.417000
HETATM18467	H2	WAT	5052	4.034	-26.874	-0.129	0.417000
HETATM18468	O	WAT	5053	2.681	15.173	-20.219	-0.834000
HETATM18469	H1	WAT	5053	3.393	15.124	-20.856	0.417000
HETATM18470	H2	WAT	5053	2.555	16.111	-20.073	0.417000
HETATM18471	O	WAT	5054	5.615	26.617	-14.517	-0.834000
HETATM18472	H1	WAT	5054	4.716	26.789	-14.237	0.417000
HETATM18473	H2	WAT	5054	6.135	26.699	-13.718	0.417000
HETATM18474	O	WAT	5055	-30.768	11.129	13.764	-0.834000
HETATM18475	H1	WAT	5055	-30.177	11.876	13.664	0.417000
HETATM18476	H2	WAT	5055	-30.316	10.406	13.328	0.417000
HETATM18477	O	WAT	5056	-15.063	-20.905	22.443	-0.834000

HETATM18478	H1	WAT	5056	-15.876	-20.649	22.878	0.417000
HETATM18479	H2	WAT	5056	-14.376	-20.697	23.076	0.417000
HETATM18480	O	WAT	5057	19.892	7.931	-3.042	-0.834000
HETATM18481	H1	WAT	5057	20.746	8.154	-2.671	0.417000
HETATM18482	H2	WAT	5057	20.057	7.836	-3.980	0.417000
HETATM18483	O	WAT	5058	20.728	-14.755	22.041	-0.834000
HETATM18484	H1	WAT	5058	20.830	-15.518	22.609	0.417000
HETATM18485	H2	WAT	5058	21.260	-14.075	22.456	0.417000
HETATM18486	O	WAT	5059	23.221	-5.279	19.620	-0.834000
HETATM18487	H1	WAT	5059	23.404	-5.667	20.476	0.417000
HETATM18488	H2	WAT	5059	23.268	-4.335	19.770	0.417000
HETATM18489	O	WAT	5060	-32.134	6.468	-13.964	-0.834000
HETATM18490	H1	WAT	5060	-31.585	6.757	-14.693	0.417000
HETATM18491	H2	WAT	5060	-31.542	6.452	-13.211	0.417000
HETATM18492	O	WAT	5061	29.498	-5.195	2.127	-0.834000
HETATM18493	H1	WAT	5061	28.788	-4.663	2.487	0.417000
HETATM18494	H2	WAT	5061	29.913	-5.591	2.893	0.417000
HETATM18495	O	WAT	5062	14.335	7.893	10.456	-0.834000
HETATM18496	H1	WAT	5062	14.958	8.389	9.925	0.417000
HETATM18497	H2	WAT	5062	14.486	6.980	10.211	0.417000
HETATM18498	O	WAT	5063	17.631	16.098	21.800	-0.834000
HETATM18499	H1	WAT	5063	17.373	16.501	22.629	0.417000
HETATM18500	H2	WAT	5063	17.714	15.166	22.003	0.417000
HETATM18501	O	WAT	5064	0.696	20.701	-23.502	-0.834000
HETATM18502	H1	WAT	5064	0.019	21.333	-23.745	0.417000
HETATM18503	H2	WAT	5064	1.441	20.922	-24.061	0.417000
HETATM18504	O	WAT	5065	29.398	-15.638	-1.979	-0.834000
HETATM18505	H1	WAT	5065	30.003	-14.990	-2.340	0.417000
HETATM18506	H2	WAT	5065	29.562	-15.619	-1.036	0.417000
HETATM18507	O	WAT	5066	-28.231	7.935	-13.680	-0.834000
HETATM18508	H1	WAT	5066	-27.701	8.388	-14.335	0.417000
HETATM18509	H2	WAT	5066	-27.982	8.340	-12.849	0.417000
HETATM18510	O	WAT	5067	-18.196	17.371	-19.811	-0.834000
HETATM18511	H1	WAT	5067	-19.089	17.592	-20.075	0.417000
HETATM18512	H2	WAT	5067	-18.138	16.424	-19.932	0.417000
HETATM18513	O	WAT	5068	13.035	-4.373	10.905	-0.834000
HETATM18514	H1	WAT	5068	13.425	-3.503	10.817	0.417000
HETATM18515	H2	WAT	5068	13.655	-4.860	11.449	0.417000
HETATM18516	O	WAT	5069	13.910	26.219	-10.318	-0.834000
HETATM18517	H1	WAT	5069	14.784	26.164	-9.930	0.417000
HETATM18518	H2	WAT	5069	13.946	26.993	-10.880	0.417000
HETATM18519	O	WAT	5070	-11.815	-13.145	-5.448	-0.834000
HETATM18520	H1	WAT	5070	-11.633	-13.237	-6.383	0.417000
HETATM18521	H2	WAT	5070	-12.515	-13.775	-5.277	0.417000
HETATM18522	O	WAT	5071	-20.930	22.195	-0.837	-0.834000
HETATM18523	H1	WAT	5071	-21.396	21.658	-0.196	0.417000
HETATM18524	H2	WAT	5071	-20.397	22.790	-0.309	0.417000
HETATM18525	O	WAT	5072	-13.973	24.541	0.426	-0.834000
HETATM18526	H1	WAT	5072	-13.158	24.044	0.363	0.417000
HETATM18527	H2	WAT	5072	-14.562	23.973	0.923	0.417000
HETATM18528	O	WAT	5073	20.399	-1.966	25.383	-0.834000
HETATM18529	H1	WAT	5073	21.050	-2.366	25.960	0.417000
HETATM18530	H2	WAT	5073	20.138	-1.164	25.836	0.417000
HETATM18531	O	WAT	5074	17.982	-18.559	22.868	-0.834000
HETATM18532	H1	WAT	5074	18.099	-18.097	23.699	0.417000
HETATM18533	H2	WAT	5074	18.861	-18.861	22.637	0.417000
HETATM18534	O	WAT	5075	25.060	18.690	-6.807	-0.834000
HETATM18535	H1	WAT	5075	25.467	19.221	-6.122	0.417000
HETATM18536	H2	WAT	5075	25.366	19.080	-7.626	0.417000
HETATM18537	O	WAT	5076	0.526	24.045	20.004	-0.834000
HETATM18538	H1	WAT	5076	0.067	23.750	19.218	0.417000
HETATM18539	H2	WAT	5076	0.961	23.261	20.337	0.417000
HETATM18540	O	WAT	5077	1.844	-11.389	-26.810	-0.834000
HETATM18541	H1	WAT	5077	1.708	-10.654	-26.212	0.417000
HETATM18542	H2	WAT	5077	1.067	-11.392	-27.368	0.417000
HETATM18543	O	WAT	5078	-12.666	29.383	7.653	-0.834000
HETATM18544	H1	WAT	5078	-11.802	29.371	8.065	0.417000
HETATM18545	H2	WAT	5078	-12.558	29.946	6.886	0.417000
HETATM18546	O	WAT	5079	-1.863	-29.557	0.899	-0.834000
HETATM18547	H1	WAT	5079	-1.455	-29.382	0.051	0.417000

HETATM18548	H2	WAT	5079	-2.438	-28.806	1.048	0.417000
HETATM18549	O	WAT	5080	-23.863	24.016	10.578	-0.834000
HETATM18550	H1	WAT	5080	-23.197	24.660	10.819	0.417000
HETATM18551	H2	WAT	5080	-23.365	23.234	10.341	0.417000
HETATM18552	O	WAT	5081	-33.860	-8.187	5.948	-0.834000
HETATM18553	H1	WAT	5081	-33.395	-7.734	5.244	0.417000
HETATM18554	H2	WAT	5081	-33.166	-8.536	6.508	0.417000
HETATM18555	O	WAT	5082	21.827	20.592	-9.190	-0.834000
HETATM18556	H1	WAT	5082	22.064	19.951	-8.520	0.417000
HETATM18557	H2	WAT	5082	20.954	20.893	-8.936	0.417000
HETATM18558	O	WAT	5083	5.289	-28.823	9.858	-0.834000
HETATM18559	H1	WAT	5083	4.809	-29.457	10.392	0.417000
HETATM18560	H2	WAT	5083	6.014	-29.323	9.485	0.417000
HETATM18561	O	WAT	5084	-27.418	-5.027	6.091	-0.834000
HETATM18562	H1	WAT	5084	-27.965	-5.379	6.793	0.417000
HETATM18563	H2	WAT	5084	-26.622	-4.733	6.534	0.417000
HETATM18564	O	WAT	5085	-17.501	-13.847	-6.190	-0.834000
HETATM18565	H1	WAT	5085	-18.195	-13.235	-5.946	0.417000
HETATM18566	H2	WAT	5085	-16.689	-13.370	-6.017	0.417000
HETATM18567	O	WAT	5086	-24.458	2.721	-24.198	-0.834000
HETATM18568	H1	WAT	5086	-24.668	3.649	-24.099	0.417000
HETATM18569	H2	WAT	5086	-25.158	2.265	-23.731	0.417000
HETATM18570	O	WAT	5087	-11.729	-14.385	-17.366	-0.834000
HETATM18571	H1	WAT	5087	-11.640	-15.282	-17.041	0.417000
HETATM18572	H2	WAT	5087	-10.846	-14.021	-17.308	0.417000
HETATM18573	O	WAT	5088	-8.023	-33.938	-3.184	-0.834000
HETATM18574	H1	WAT	5088	-7.606	-34.038	-2.329	0.417000
HETATM18575	H2	WAT	5088	-7.418	-34.358	-3.796	0.417000
HETATM18576	O	WAT	5089	19.798	26.347	8.134	-0.834000
HETATM18577	H1	WAT	5089	20.430	26.945	7.735	0.417000
HETATM18578	H2	WAT	5089	20.324	25.601	8.423	0.417000
HETATM18579	O	WAT	5090	6.552	12.832	22.512	-0.834000
HETATM18580	H1	WAT	5090	6.587	12.537	23.422	0.417000
HETATM18581	H2	WAT	5090	7.467	12.854	22.232	0.417000
HETATM18582	O	WAT	5091	9.351	-9.278	24.177	-0.834000
HETATM18583	H1	WAT	5091	10.068	-9.030	23.593	0.417000
HETATM18584	H2	WAT	5091	8.561	-9.162	23.649	0.417000
HETATM18585	O	WAT	5092	2.363	21.948	9.247	-0.834000
HETATM18586	H1	WAT	5092	2.000	21.066	9.165	0.417000
HETATM18587	H2	WAT	5092	1.632	22.480	9.562	0.417000
HETATM18588	O	WAT	5093	-30.292	8.121	9.980	-0.834000
HETATM18589	H1	WAT	5093	-29.519	7.556	9.975	0.417000
HETATM18590	H2	WAT	5093	-30.866	7.745	9.312	0.417000
HETATM18591	O	WAT	5094	14.588	-27.812	-0.293	-0.834000
HETATM18592	H1	WAT	5094	14.479	-28.749	-0.458	0.417000
HETATM18593	H2	WAT	5094	13.800	-27.561	0.189	0.417000
HETATM18594	O	WAT	5095	24.752	-5.261	0.714	-0.834000
HETATM18595	H1	WAT	5095	24.272	-5.744	1.386	0.417000
HETATM18596	H2	WAT	5095	24.099	-5.075	0.039	0.417000
HETATM18597	O	WAT	5096	21.467	21.067	-1.639	-0.834000
HETATM18598	H1	WAT	5096	21.946	21.853	-1.376	0.417000
HETATM18599	H2	WAT	5096	22.073	20.598	-2.213	0.417000
HETATM18600	O	WAT	5097	30.063	-13.513	2.091	-0.834000
HETATM18601	H1	WAT	5097	30.137	-13.240	3.005	0.417000
HETATM18602	H2	WAT	5097	29.368	-12.963	1.732	0.417000
HETATM18603	O	WAT	5098	-15.537	24.480	-8.471	-0.834000
HETATM18604	H1	WAT	5098	-16.493	24.460	-8.508	0.417000
HETATM18605	H2	WAT	5098	-15.315	23.916	-7.730	0.417000
HETATM18606	O	WAT	5099	-34.282	7.625	0.102	-0.834000
HETATM18607	H1	WAT	5099	-35.142	7.985	-0.117	0.417000
HETATM18608	H2	WAT	5099	-33.750	8.391	0.318	0.417000
HETATM18609	O	WAT	5100	12.347	27.651	-8.428	-0.834000
HETATM18610	H1	WAT	5100	13.065	27.438	-7.832	0.417000
HETATM18611	H2	WAT	5100	12.536	27.148	-9.220	0.417000
HETATM18612	O	WAT	5101	-30.192	4.689	-16.513	-0.834000
HETATM18613	H1	WAT	5101	-30.038	4.315	-15.646	0.417000
HETATM18614	H2	WAT	5101	-30.225	5.634	-16.364	0.417000
HETATM18615	O	WAT	5102	-21.097	-22.249	-12.633	-0.834000
HETATM18616	H1	WAT	5102	-21.518	-22.276	-13.492	0.417000
HETATM18617	H2	WAT	5102	-21.039	-21.317	-12.423	0.417000

HETATM18618	O	WAT 5103	-19.796	-14.741	21.324	-0.834000
HETATM18619	H1	WAT 5103	-19.342	-14.170	20.704	0.417000
HETATM18620	H2	WAT 5103	-20.723	-14.543	21.197	0.417000
HETATM18621	O	WAT 5104	18.942	-22.662	-8.269	-0.834000
HETATM18622	H1	WAT 5104	18.010	-22.878	-8.243	0.417000
HETATM18623	H2	WAT 5104	19.378	-23.499	-8.426	0.417000
HETATM18624	O	WAT 5105	2.668	21.518	-25.164	-0.834000
HETATM18625	H1	WAT 5105	2.529	21.802	-26.067	0.417000
HETATM18626	H2	WAT 5105	3.433	20.943	-25.209	0.417000
HETATM18627	O	WAT 5106	6.470	30.397	-2.525	-0.834000
HETATM18628	H1	WAT 5106	5.844	29.723	-2.789	0.417000
HETATM18629	H2	WAT 5106	6.389	31.075	-3.197	0.417000
HETATM18630	O	WAT 5107	13.525	-29.875	6.211	-0.834000
HETATM18631	H1	WAT 5107	13.777	-29.610	5.326	0.417000
HETATM18632	H2	WAT 5107	12.987	-30.656	6.083	0.417000
HETATM18633	O	WAT 5108	2.113	28.584	-19.470	-0.834000
HETATM18634	H1	WAT 5108	1.749	29.380	-19.857	0.417000
HETATM18635	H2	WAT 5108	2.221	27.986	-20.209	0.417000
HETATM18636	O	WAT 5109	7.655	4.317	-32.411	-0.834000
HETATM18637	H1	WAT 5109	7.314	3.472	-32.120	0.417000
HETATM18638	H2	WAT 5109	7.014	4.955	-32.098	0.417000
HETATM18639	O	WAT 5110	-21.488	8.998	-17.968	-0.834000
HETATM18640	H1	WAT 5110	-20.662	9.177	-18.417	0.417000
HETATM18641	H2	WAT 5110	-21.260	9.000	-17.038	0.417000
HETATM18642	O	WAT 5111	-6.969	15.863	27.137	-0.834000
HETATM18643	H1	WAT 5111	-6.726	15.123	27.693	0.417000
HETATM18644	H2	WAT 5111	-7.253	15.462	26.316	0.417000
HETATM18645	O	WAT 5112	-11.848	32.704	0.934	-0.834000
HETATM18646	H1	WAT 5112	-12.596	33.299	0.989	0.417000
HETATM18647	H2	WAT 5112	-12.222	31.876	0.633	0.417000
HETATM18648	O	WAT 5113	11.513	-6.069	22.895	-0.834000
HETATM18649	H1	WAT 5113	11.454	-6.999	22.677	0.417000
HETATM18650	H2	WAT 5113	10.759	-5.672	22.459	0.417000
HETATM18651	O	WAT 5114	-8.489	-22.827	-22.892	-0.834000
HETATM18652	H1	WAT 5114	-8.601	-23.106	-23.801	0.417000
HETATM18653	H2	WAT 5114	-7.869	-23.456	-22.524	0.417000
HETATM18654	O	WAT 5115	30.115	-3.528	-8.582	-0.834000
HETATM18655	H1	WAT 5115	29.507	-3.947	-7.973	0.417000
HETATM18656	H2	WAT 5115	30.861	-4.127	-8.625	0.417000
HETATM18657	O	WAT 5116	-19.903	-14.344	-2.691	-0.834000
HETATM18658	H1	WAT 5116	-20.413	-13.752	-3.244	0.417000
HETATM18659	H2	WAT 5116	-20.333	-14.302	-1.836	0.417000
HETATM18660	O	WAT 5117	24.163	7.386	1.395	-0.834000
HETATM18661	H1	WAT 5117	24.686	8.165	1.204	0.417000
HETATM18662	H2	WAT 5117	24.710	6.868	1.985	0.417000
HETATM18663	O	WAT 5118	-22.016	-3.211	-15.429	-0.834000
HETATM18664	H1	WAT 5118	-21.637	-3.972	-15.870	0.417000
HETATM18665	H2	WAT 5118	-22.961	-3.315	-15.543	0.417000
HETATM18666	O	WAT 5119	-14.896	9.252	-27.362	-0.834000
HETATM18667	H1	WAT 5119	-15.488	8.567	-27.675	0.417000
HETATM18668	H2	WAT 5119	-15.408	9.731	-26.711	0.417000
HETATM18669	O	WAT 5120	-21.969	2.357	-18.765	-0.834000
HETATM18670	H1	WAT 5120	-22.387	3.186	-19.000	0.417000
HETATM18671	H2	WAT 5120	-21.041	2.495	-18.953	0.417000
HETATM18672	O	WAT 5121	-8.529	-21.288	11.473	-0.834000
HETATM18673	H1	WAT 5121	-7.840	-21.273	10.809	0.417000
HETATM18674	H2	WAT 5121	-8.513	-22.183	11.813	0.417000
HETATM18675	O	WAT 5122	-6.116	28.683	-19.955	-0.834000
HETATM18676	H1	WAT 5122	-5.748	29.236	-20.645	0.417000
HETATM18677	H2	WAT 5122	-5.353	28.300	-19.522	0.417000
HETATM18678	O	WAT 5123	5.781	9.696	24.035	-0.834000
HETATM18679	H1	WAT 5123	6.068	10.540	24.383	0.417000
HETATM18680	H2	WAT 5123	6.369	9.528	23.298	0.417000
HETATM18681	O	WAT 5124	-16.338	21.970	6.592	-0.834000
HETATM18682	H1	WAT 5124	-15.546	21.583	6.964	0.417000
HETATM18683	H2	WAT 5124	-16.990	21.271	6.635	0.417000
HETATM18684	O	WAT 5125	3.574	-15.974	31.256	-0.834000
HETATM18685	H1	WAT 5125	3.762	-15.188	31.769	0.417000
HETATM18686	H2	WAT 5125	3.347	-15.644	30.387	0.417000
HETATM18687	O	WAT 5126	27.437	13.731	-1.296	-0.834000

HETATM18688	H1	WAT	5126	27.083	13.869	-2.174	0.417000
HETATM18689	H2	WAT	5126	28.363	13.534	-1.439	0.417000
HETATM18690	O	WAT	5127	14.690	-5.302	-24.602	-0.834000
HETATM18691	H1	WAT	5127	14.061	-5.074	-25.286	0.417000
HETATM18692	H2	WAT	5127	14.481	-4.712	-23.878	0.417000
HETATM18693	O	WAT	5128	-31.929	-3.298	-9.710	-0.834000
HETATM18694	H1	WAT	5128	-32.411	-3.192	-10.529	0.417000
HETATM18695	H2	WAT	5128	-31.448	-2.476	-9.607	0.417000
HETATM18696	O	WAT	5129	-24.828	-4.535	-18.413	-0.834000
HETATM18697	H1	WAT	5129	-24.183	-5.228	-18.556	0.417000
HETATM18698	H2	WAT	5129	-24.409	-3.744	-18.752	0.417000
HETATM18699	O	WAT	5130	10.221	-24.652	-19.026	-0.834000
HETATM18700	H1	WAT	5130	10.506	-24.288	-18.188	0.417000
HETATM18701	H2	WAT	5130	9.409	-25.116	-18.822	0.417000
HETATM18702	O	WAT	5131	-14.186	15.018	-2.132	-0.834000
HETATM18703	H1	WAT	5131	-14.020	14.158	-2.516	0.417000
HETATM18704	H2	WAT	5131	-13.533	15.100	-1.437	0.417000
HETATM18705	O	WAT	5132	-15.231	-6.783	-5.821	-0.834000
HETATM18706	H1	WAT	5132	-15.048	-7.040	-6.725	0.417000
HETATM18707	H2	WAT	5132	-14.947	-5.870	-5.770	0.417000
HETATM18708	O	WAT	5133	-5.693	18.360	26.838	-0.834000
HETATM18709	H1	WAT	5133	-6.102	17.502	26.951	0.417000
HETATM18710	H2	WAT	5133	-5.740	18.526	25.896	0.417000
HETATM18711	O	WAT	5134	-14.090	27.136	-13.270	-0.834000
HETATM18712	H1	WAT	5134	-13.447	27.422	-13.918	0.417000
HETATM18713	H2	WAT	5134	-13.687	27.342	-12.426	0.417000
HETATM18714	O	WAT	5135	-9.922	29.920	-4.845	-0.834000
HETATM18715	H1	WAT	5135	-10.230	30.763	-4.511	0.417000
HETATM18716	H2	WAT	5135	-10.419	29.786	-5.652	0.417000
HETATM18717	O	WAT	5136	19.530	21.780	9.513	-0.834000
HETATM18718	H1	WAT	5136	20.206	21.884	8.844	0.417000
HETATM18719	H2	WAT	5136	18.802	22.319	9.204	0.417000
HETATM18720	O	WAT	5137	-7.156	-11.155	27.044	-0.834000
HETATM18721	H1	WAT	5137	-6.240	-11.309	27.274	0.417000
HETATM18722	H2	WAT	5137	-7.162	-11.132	26.087	0.417000
HETATM18723	O	WAT	5138	-1.476	-25.821	-23.041	-0.834000
HETATM18724	H1	WAT	5138	-0.779	-26.319	-23.467	0.417000
HETATM18725	H2	WAT	5138	-1.228	-25.804	-22.117	0.417000
HETATM18726	O	WAT	5139	4.636	7.942	-27.459	-0.834000
HETATM18727	H1	WAT	5139	4.506	8.086	-26.521	0.417000
HETATM18728	H2	WAT	5139	4.288	7.064	-27.616	0.417000
HETATM18729	O	WAT	5140	-19.906	18.273	-3.843	-0.834000
HETATM18730	H1	WAT	5140	-20.425	19.063	-3.692	0.417000
HETATM18731	H2	WAT	5140	-19.888	17.832	-2.994	0.417000
HETATM18732	O	WAT	5141	22.484	11.235	15.120	-0.834000
HETATM18733	H1	WAT	5141	22.193	10.543	15.715	0.417000
HETATM18734	H2	WAT	5141	23.344	10.944	14.818	0.417000
HETATM18735	O	WAT	5142	-17.458	21.606	-6.100	-0.834000
HETATM18736	H1	WAT	5142	-17.539	20.689	-5.836	0.417000
HETATM18737	H2	WAT	5142	-16.946	21.577	-6.908	0.417000
HETATM18738	O	WAT	5143	17.570	3.037	-23.740	-0.834000
HETATM18739	H1	WAT	5143	17.371	3.910	-24.078	0.417000
HETATM18740	H2	WAT	5143	17.613	2.482	-24.519	0.417000
HETATM18741	O	WAT	5144	-12.741	-10.262	-27.002	-0.834000
HETATM18742	H1	WAT	5144	-12.951	-9.780	-26.201	0.417000
HETATM18743	H2	WAT	5144	-13.534	-10.197	-27.535	0.417000
HETATM18744	O	WAT	5145	22.293	-4.370	3.964	-0.834000
HETATM18745	H1	WAT	5145	21.445	-4.759	4.179	0.417000
HETATM18746	H2	WAT	5145	22.775	-5.072	3.527	0.417000
HETATM18747	O	WAT	5146	20.026	14.787	-18.055	-0.834000
HETATM18748	H1	WAT	5146	19.592	14.477	-17.260	0.417000
HETATM18749	H2	WAT	5146	20.942	14.899	-17.800	0.417000
HETATM18750	O	WAT	5147	20.457	-18.726	0.282	-0.834000
HETATM18751	H1	WAT	5147	20.195	-17.824	0.471	0.417000
HETATM18752	H2	WAT	5147	20.618	-18.735	-0.661	0.417000
HETATM18753	O	WAT	5148	9.449	14.917	-11.469	-0.834000
HETATM18754	H1	WAT	5148	8.520	14.793	-11.664	0.417000
HETATM18755	H2	WAT	5148	9.802	15.346	-12.249	0.417000
HETATM18756	O	WAT	5149	21.175	-4.298	-26.168	-0.834000
HETATM18757	H1	WAT	5149	20.776	-3.729	-25.509	0.417000

HETATM18758	H2	WAT	5149	21.740	-3.716	-26.677	0.417000
HETATM18759	O	WAT	5150	-1.254	-15.622	19.431	-0.834000
HETATM18760	H1	WAT	5150	-0.303	-15.512	19.393	0.417000
HETATM18761	H2	WAT	5150	-1.384	-16.569	19.476	0.417000
HETATM18762	O	WAT	5151	-14.640	-7.066	-8.533	-0.834000
HETATM18763	H1	WAT	5151	-13.742	-7.290	-8.775	0.417000
HETATM18764	H2	WAT	5151	-15.174	-7.407	-9.250	0.417000
HETATM18765	O	WAT	5152	-10.981	-13.823	26.790	-0.834000
HETATM18766	H1	WAT	5152	-11.821	-13.675	27.224	0.417000
HETATM18767	H2	WAT	5152	-10.351	-13.330	27.317	0.417000
HETATM18768	O	WAT	5153	-23.714	-5.967	-2.503	-0.834000
HETATM18769	H1	WAT	5153	-23.280	-6.548	-3.127	0.417000
HETATM18770	H2	WAT	5153	-24.505	-5.676	-2.957	0.417000
HETATM18771	O	WAT	5154	-3.353	18.817	2.210	-0.834000
HETATM18772	H1	WAT	5154	-2.561	18.353	2.482	0.417000
HETATM18773	H2	WAT	5154	-4.068	18.218	2.426	0.417000
HETATM18774	O	WAT	5155	27.866	-5.904	5.222	-0.834000
HETATM18775	H1	WAT	5155	27.686	-5.127	4.692	0.417000
HETATM18776	H2	WAT	5155	28.725	-6.203	4.924	0.417000
HETATM18777	O	WAT	5156	16.581	28.753	-6.307	-0.834000
HETATM18778	H1	WAT	5156	17.028	28.958	-5.485	0.417000
HETATM18779	H2	WAT	5156	17.260	28.363	-6.858	0.417000
HETATM18780	O	WAT	5157	8.725	-27.211	-12.265	-0.834000
HETATM18781	H1	WAT	5157	9.663	-27.056	-12.378	0.417000
HETATM18782	H2	WAT	5157	8.369	-27.183	-13.153	0.417000
HETATM18783	O	WAT	5158	15.420	18.790	-11.938	-0.834000
HETATM18784	H1	WAT	5158	14.738	18.777	-12.610	0.417000
HETATM18785	H2	WAT	5158	14.987	18.457	-11.152	0.417000
HETATM18786	O	WAT	5159	-21.604	3.105	-4.840	-0.834000
HETATM18787	H1	WAT	5159	-21.691	2.179	-4.615	0.417000
HETATM18788	H2	WAT	5159	-20.685	3.205	-5.091	0.417000
HETATM18789	O	WAT	5160	22.870	-3.440	-14.631	-0.834000
HETATM18790	H1	WAT	5160	22.773	-3.366	-15.580	0.417000
HETATM18791	H2	WAT	5160	23.042	-4.369	-14.479	0.417000
HETATM18792	O	WAT	5161	14.898	-12.322	20.104	-0.834000
HETATM18793	H1	WAT	5161	15.285	-11.698	19.490	0.417000
HETATM18794	H2	WAT	5161	15.580	-12.466	20.761	0.417000
HETATM18795	O	WAT	5162	25.409	8.604	7.279	-0.834000
HETATM18796	H1	WAT	5162	25.735	8.888	6.425	0.417000
HETATM18797	H2	WAT	5162	25.018	9.390	7.660	0.417000
HETATM18798	O	WAT	5163	-19.804	-5.168	-26.697	-0.834000
HETATM18799	H1	WAT	5163	-19.256	-4.609	-27.248	0.417000
HETATM18800	H2	WAT	5163	-20.360	-4.557	-26.213	0.417000
HETATM18801	O	WAT	5164	15.910	9.311	8.685	-0.834000
HETATM18802	H1	WAT	5164	15.275	9.751	8.120	0.417000
HETATM18803	H2	WAT	5164	16.474	8.828	8.081	0.417000
HETATM18804	O	WAT	5165	-19.979	-17.800	-14.192	-0.834000
HETATM18805	H1	WAT	5165	-20.089	-17.958	-15.130	0.417000
HETATM18806	H2	WAT	5165	-20.444	-16.979	-14.032	0.417000
HETATM18807	O	WAT	5166	21.490	18.556	-4.683	-0.834000
HETATM18808	H1	WAT	5166	21.655	17.731	-4.226	0.417000
HETATM18809	H2	WAT	5166	22.049	19.193	-4.237	0.417000
HETATM18810	O	WAT	5167	5.667	34.755	-3.586	-0.834000
HETATM18811	H1	WAT	5167	5.502	35.556	-4.084	0.417000
HETATM18812	H2	WAT	5167	4.797	34.457	-3.318	0.417000
HETATM18813	O	WAT	5168	-8.631	25.672	8.600	-0.834000
HETATM18814	H1	WAT	5168	-9.177	24.974	8.240	0.417000
HETATM18815	H2	WAT	5168	-8.642	25.522	9.545	0.417000
HETATM18816	O	WAT	5169	24.965	10.226	14.553	-0.834000
HETATM18817	H1	WAT	5169	25.852	10.459	14.826	0.417000
HETATM18818	H2	WAT	5169	24.944	9.270	14.599	0.417000
HETATM18819	O	WAT	5170	8.916	4.220	-17.450	-0.834000
HETATM18820	H1	WAT	5170	8.093	3.815	-17.724	0.417000
HETATM18821	H2	WAT	5170	8.883	5.102	-17.821	0.417000
HETATM18822	O	WAT	5171	-13.608	12.574	-3.071	-0.834000
HETATM18823	H1	WAT	5171	-12.993	12.167	-3.682	0.417000
HETATM18824	H2	WAT	5171	-13.725	11.922	-2.380	0.417000
HETATM18825	O	WAT	5172	17.847	10.853	12.763	-0.834000
HETATM18826	H1	WAT	5172	18.696	11.220	13.010	0.417000
HETATM18827	H2	WAT	5172	17.241	11.183	13.426	0.417000

HETATM18828	O	WAT	5173	-7.369	31.160	4.786	-0.834000
HETATM18829	H1	WAT	5173	-6.519	30.769	4.585	0.417000
HETATM18830	H2	WAT	5173	-7.157	31.981	5.230	0.417000
HETATM18831	O	WAT	5174	-18.218	-7.142	-19.016	-0.834000
HETATM18832	H1	WAT	5174	-17.303	-6.960	-18.804	0.417000
HETATM18833	H2	WAT	5174	-18.435	-7.916	-18.497	0.417000
HETATM18834	O	WAT	5175	-21.776	25.776	11.214	-0.834000
HETATM18835	H1	WAT	5175	-21.716	26.340	11.985	0.417000
HETATM18836	H2	WAT	5175	-20.866	25.608	10.969	0.417000
HETATM18837	O	WAT	5176	16.257	20.556	6.800	-0.834000
HETATM18838	H1	WAT	5176	16.933	20.321	7.435	0.417000
HETATM18839	H2	WAT	5176	15.894	19.717	6.515	0.417000
HETATM18840	O	WAT	5177	-13.711	28.917	-3.634	-0.834000
HETATM18841	H1	WAT	5177	-13.379	29.765	-3.337	0.417000
HETATM18842	H2	WAT	5177	-13.234	28.276	-3.107	0.417000
HETATM18843	O	WAT	5178	26.090	-15.599	15.340	-0.834000
HETATM18844	H1	WAT	5178	26.995	-15.907	15.395	0.417000
HETATM18845	H2	WAT	5178	25.908	-15.555	14.401	0.417000
HETATM18846	O	WAT	5179	3.248	-28.502	-11.951	-0.834000
HETATM18847	H1	WAT	5179	2.445	-28.785	-12.388	0.417000
HETATM18848	H2	WAT	5179	3.036	-28.532	-11.018	0.417000
HETATM18849	O	WAT	5180	-31.874	12.294	-0.510	-0.834000
HETATM18850	H1	WAT	5180	-32.731	12.672	-0.710	0.417000
HETATM18851	H2	WAT	5180	-31.374	13.019	-0.136	0.417000
HETATM18852	O	WAT	5181	-9.823	-20.399	-2.109	-0.834000
HETATM18853	H1	WAT	5181	-10.662	-20.231	-1.679	0.417000
HETATM18854	H2	WAT	5181	-9.793	-19.770	-2.830	0.417000
HETATM18855	O	WAT	5182	-19.430	23.992	0.577	-0.834000
HETATM18856	H1	WAT	5182	-19.328	24.694	-0.065	0.417000
HETATM18857	H2	WAT	5182	-19.543	24.446	1.412	0.417000
HETATM18858	O	WAT	5183	-16.518	23.630	4.412	-0.834000
HETATM18859	H1	WAT	5183	-16.209	24.501	4.661	0.417000
HETATM18860	H2	WAT	5183	-16.380	23.094	5.192	0.417000
HETATM18861	O	WAT	5184	-12.148	-5.946	-21.697	-0.834000
HETATM18862	H1	WAT	5184	-13.024	-6.262	-21.477	0.417000
HETATM18863	H2	WAT	5184	-12.248	-5.543	-22.560	0.417000
HETATM18864	O	WAT	5185	-4.565	-15.700	-7.554	-0.834000
HETATM18865	H1	WAT	5185	-4.489	-15.507	-8.488	0.417000
HETATM18866	H2	WAT	5185	-4.837	-14.872	-7.159	0.417000
HETATM18867	O	WAT	5186	-10.656	24.379	-12.854	-0.834000
HETATM18868	H1	WAT	5186	-11.602	24.510	-12.911	0.417000
HETATM18869	H2	WAT	5186	-10.537	23.818	-12.087	0.417000
HETATM18870	O	WAT	5187	-7.141	-21.846	24.712	-0.834000
HETATM18871	H1	WAT	5187	-6.341	-22.371	24.749	0.417000
HETATM18872	H2	WAT	5187	-7.120	-21.439	23.845	0.417000
HETATM18873	O	WAT	5188	-4.700	-0.798	31.359	-0.834000
HETATM18874	H1	WAT	5188	-4.967	-0.430	32.201	0.417000
HETATM18875	H2	WAT	5188	-5.106	-0.227	30.708	0.417000
HETATM18876	O	WAT	5189	-1.907	20.608	14.422	-0.834000
HETATM18877	H1	WAT	5189	-1.023	20.247	14.348	0.417000
HETATM18878	H2	WAT	5189	-2.484	19.873	14.217	0.417000
HETATM18879	O	WAT	5190	-2.826	27.846	7.866	-0.834000
HETATM18880	H1	WAT	5190	-2.033	27.351	7.659	0.417000
HETATM18881	H2	WAT	5190	-2.681	28.170	8.755	0.417000
HETATM18882	O	WAT	5191	30.988	6.221	-14.090	-0.834000
HETATM18883	H1	WAT	5191	30.610	6.793	-13.421	0.417000
HETATM18884	H2	WAT	5191	31.102	5.379	-13.649	0.417000
HETATM18885	O	WAT	5192	-21.835	-15.023	18.245	-0.834000
HETATM18886	H1	WAT	5192	-22.015	-14.652	19.109	0.417000
HETATM18887	H2	WAT	5192	-22.372	-15.815	18.208	0.417000
HETATM18888	O	WAT	5193	9.341	-19.233	26.583	-0.834000
HETATM18889	H1	WAT	5193	9.429	-19.902	27.261	0.417000
HETATM18890	H2	WAT	5193	9.983	-18.564	26.823	0.417000
HETATM18891	O	WAT	5194	6.407	-7.944	20.299	-0.834000
HETATM18892	H1	WAT	5194	6.689	-7.133	19.875	0.417000
HETATM18893	H2	WAT	5194	6.861	-8.636	19.817	0.417000
HETATM18894	O	WAT	5195	2.759	-28.031	0.338	-0.834000
HETATM18895	H1	WAT	5195	3.049	-28.936	0.220	0.417000
HETATM18896	H2	WAT	5195	2.366	-28.017	1.210	0.417000
HETATM18897	O	WAT	5196	-13.790	-2.820	-27.534	-0.834000

HETATM18898	H1	WAT	5196	-13.033	-2.293	-27.280	0.417000
HETATM18899	H2	WAT	5196	-13.413	-3.626	-27.887	0.417000
HETATM18900	O	WAT	5197	2.639	-34.136	9.917	-0.834000
HETATM18901	H1	WAT	5197	1.990	-34.670	9.458	0.417000
HETATM18902	H2	WAT	5197	2.994	-33.557	9.243	0.417000
HETATM18903	O	WAT	5198	-19.539	16.105	14.287	-0.834000
HETATM18904	H1	WAT	5198	-19.678	17.033	14.476	0.417000
HETATM18905	H2	WAT	5198	-19.130	15.757	15.079	0.417000
HETATM18906	O	WAT	5199	-28.849	-11.160	-14.071	-0.834000
HETATM18907	H1	WAT	5199	-28.897	-10.591	-14.838	0.417000
HETATM18908	H2	WAT	5199	-28.646	-10.568	-13.346	0.417000
HETATM18909	O	WAT	5200	-6.821	-27.639	10.509	-0.834000
HETATM18910	H1	WAT	5200	-7.589	-28.197	10.633	0.417000
HETATM18911	H2	WAT	5200	-7.174	-26.817	10.171	0.417000
HETATM18912	O	WAT	5201	9.421	-20.433	16.456	-0.834000
HETATM18913	H1	WAT	5201	9.744	-20.002	17.247	0.417000
HETATM18914	H2	WAT	5201	8.657	-19.919	16.197	0.417000
HETATM18915	O	WAT	5202	10.226	23.309	-7.544	-0.834000
HETATM18916	H1	WAT	5202	9.866	22.603	-8.081	0.417000
HETATM18917	H2	WAT	5202	9.691	24.072	-7.762	0.417000
HETATM18918	O	WAT	5203	-26.149	-17.005	7.442	-0.834000
HETATM18919	H1	WAT	5203	-26.617	-17.736	7.845	0.417000
HETATM18920	H2	WAT	5203	-26.474	-16.979	6.542	0.417000
HETATM18921	O	WAT	5204	-22.198	25.200	-9.473	-0.834000
HETATM18922	H1	WAT	5204	-21.441	25.579	-9.026	0.417000
HETATM18923	H2	WAT	5204	-22.934	25.751	-9.206	0.417000
HETATM18924	O	WAT	5205	23.824	10.006	-3.488	-0.834000
HETATM18925	H1	WAT	5205	24.732	10.225	-3.281	0.417000
HETATM18926	H2	WAT	5205	23.404	10.851	-3.650	0.417000
HETATM18927	O	WAT	5206	-15.015	15.682	-19.658	-0.834000
HETATM18928	H1	WAT	5206	-15.440	15.130	-19.001	0.417000
HETATM18929	H2	WAT	5206	-14.224	16.003	-19.224	0.417000
HETATM18930	O	WAT	5207	-7.629	-17.943	19.638	-0.834000
HETATM18931	H1	WAT	5207	-8.204	-17.562	20.302	0.417000
HETATM18932	H2	WAT	5207	-7.219	-17.189	19.215	0.417000
HETATM18933	O	WAT	5208	17.311	16.702	14.352	-0.834000
HETATM18934	H1	WAT	5208	17.565	16.977	13.471	0.417000
HETATM18935	H2	WAT	5208	17.074	17.515	14.798	0.417000
HETATM18936	O	WAT	5209	21.774	-8.443	22.522	-0.834000
HETATM18937	H1	WAT	5209	21.871	-9.339	22.201	0.417000
HETATM18938	H2	WAT	5209	21.239	-8.527	23.311	0.417000
HETATM18939	O	WAT	5210	3.424	-19.646	19.281	-0.834000
HETATM18940	H1	WAT	5210	3.321	-19.902	20.197	0.417000
HETATM18941	H2	WAT	5210	4.171	-20.158	18.971	0.417000
HETATM18942	O	WAT	5211	-3.915	-4.691	22.906	-0.834000
HETATM18943	H1	WAT	5211	-3.878	-5.647	22.928	0.417000
HETATM18944	H2	WAT	5211	-4.600	-4.492	22.268	0.417000
HETATM18945	O	WAT	5212	-16.022	-29.002	-2.018	-0.834000
HETATM18946	H1	WAT	5212	-15.941	-29.955	-2.051	0.417000
HETATM18947	H2	WAT	5212	-15.125	-28.682	-2.117	0.417000
HETATM18948	O	WAT	5213	24.371	19.407	3.639	-0.834000
HETATM18949	H1	WAT	5213	23.541	19.028	3.349	0.417000
HETATM18950	H2	WAT	5213	24.543	18.988	4.483	0.417000
HETATM18951	O	WAT	5214	-4.772	10.546	-22.902	-0.834000
HETATM18952	H1	WAT	5214	-4.856	9.882	-22.217	0.417000
HETATM18953	H2	WAT	5214	-4.773	11.378	-22.430	0.417000
HETATM18954	O	WAT	5215	12.997	6.805	-30.187	-0.834000
HETATM18955	H1	WAT	5215	13.105	7.359	-30.960	0.417000
HETATM18956	H2	WAT	5215	12.050	6.711	-30.090	0.417000
HETATM18957	O	WAT	5216	-28.741	7.530	-1.712	-0.834000
HETATM18958	H1	WAT	5216	-28.004	8.091	-1.955	0.417000
HETATM18959	H2	WAT	5216	-29.444	7.786	-2.309	0.417000
HETATM18960	O	WAT	5217	0.790	18.218	16.028	-0.834000
HETATM18961	H1	WAT	5217	0.769	18.862	15.320	0.417000
HETATM18962	H2	WAT	5217	1.142	18.699	16.778	0.417000
HETATM18963	O	WAT	5218	-28.749	18.832	6.630	-0.834000
HETATM18964	H1	WAT	5218	-29.550	18.538	6.196	0.417000
HETATM18965	H2	WAT	5218	-28.691	18.293	7.418	0.417000
HETATM18966	O	WAT	5219	15.817	11.719	-10.078	-0.834000
HETATM18967	H1	WAT	5219	15.410	10.976	-10.524	0.417000

HETATM18968	H2	WAT	5219	16.373	12.123	-10.744	0.417000
HETATM18969	O	WAT	5220	-11.138	-8.753	-19.075	-0.834000
HETATM18970	H1	WAT	5220	-11.996	-9.104	-19.313	0.417000
HETATM18971	H2	WAT	5220	-10.750	-8.483	-19.907	0.417000
HETATM18972	O	WAT	5221	16.090	-24.477	-15.304	-0.834000
HETATM18973	H1	WAT	5221	16.198	-23.889	-14.556	0.417000
HETATM18974	H2	WAT	5221	16.677	-25.210	-15.119	0.417000
HETATM18975	O	WAT	5222	-17.953	-0.169	-27.057	-0.834000
HETATM18976	H1	WAT	5222	-17.362	-0.896	-26.860	0.417000
HETATM18977	H2	WAT	5222	-17.856	-0.030	-27.999	0.417000
HETATM18978	O	WAT	5223	-29.512	-3.564	17.551	-0.834000
HETATM18979	H1	WAT	5223	-29.673	-3.949	16.689	0.417000
HETATM18980	H2	WAT	5223	-30.012	-4.114	18.155	0.417000
HETATM18981	O	WAT	5224	8.738	19.211	2.555	-0.834000
HETATM18982	H1	WAT	5224	8.323	20.071	2.612	0.417000
HETATM18983	H2	WAT	5224	9.401	19.309	1.872	0.417000
HETATM18984	O	WAT	5225	-8.782	24.896	-18.990	-0.834000
HETATM18985	H1	WAT	5225	-9.722	24.746	-19.089	0.417000
HETATM18986	H2	WAT	5225	-8.594	25.632	-19.573	0.417000
HETATM18987	O	WAT	5226	-15.441	-25.538	-11.534	-0.834000
HETATM18988	H1	WAT	5226	-15.690	-25.924	-12.374	0.417000
HETATM18989	H2	WAT	5226	-14.495	-25.677	-11.477	0.417000
HETATM18990	O	WAT	5227	7.621	25.080	0.261	-0.834000
HETATM18991	H1	WAT	5227	7.476	25.211	-0.676	0.417000
HETATM18992	H2	WAT	5227	7.810	24.146	0.347	0.417000
HETATM18993	O	WAT	5228	12.500	6.399	-15.984	-0.834000
HETATM18994	H1	WAT	5228	13.349	6.093	-15.666	0.417000
HETATM18995	H2	WAT	5228	12.166	5.673	-16.511	0.417000
HETATM18996	O	WAT	5229	-4.737	-7.425	-23.080	-0.834000
HETATM18997	H1	WAT	5229	-4.706	-6.651	-23.642	0.417000
HETATM18998	H2	WAT	5229	-4.091	-8.022	-23.459	0.417000
HETATM18999	O	WAT	5230	-12.402	-19.490	19.197	-0.834000
HETATM19000	H1	WAT	5230	-12.031	-20.274	18.792	0.417000
HETATM19001	H2	WAT	5230	-13.307	-19.730	19.396	0.417000
HETATM19002	O	WAT	5231	12.689	20.419	4.283	-0.834000
HETATM19003	H1	WAT	5231	12.418	20.776	3.437	0.417000
HETATM19004	H2	WAT	5231	13.465	19.895	4.084	0.417000
HETATM19005	O	WAT	5232	5.657	18.578	9.674	-0.834000
HETATM19006	H1	WAT	5232	4.989	18.180	9.116	0.417000
HETATM19007	H2	WAT	5232	6.470	18.484	9.177	0.417000
HETATM19008	O	WAT	5233	10.062	-5.272	19.027	-0.834000
HETATM19009	H1	WAT	5233	10.142	-4.414	18.609	0.417000
HETATM19010	H2	WAT	5233	10.827	-5.760	18.721	0.417000
HETATM19011	O	WAT	5234	-5.992	11.217	-25.340	-0.834000
HETATM19012	H1	WAT	5234	-5.698	10.966	-24.464	0.417000
HETATM19013	H2	WAT	5234	-6.916	10.967	-25.363	0.417000
HETATM19014	O	WAT	5235	-5.746	-2.734	-24.413	-0.834000
HETATM19015	H1	WAT	5235	-6.670	-2.667	-24.171	0.417000
HETATM19016	H2	WAT	5235	-5.549	-1.901	-24.841	0.417000
HETATM19017	O	WAT	5236	-20.811	-0.920	-16.398	-0.834000
HETATM19018	H1	WAT	5236	-21.446	-0.207	-16.342	0.417000
HETATM19019	H2	WAT	5236	-21.248	-1.664	-15.985	0.417000
HETATM19020	O	WAT	5237	22.608	-17.373	-18.961	-0.834000
HETATM19021	H1	WAT	5237	21.944	-17.116	-19.601	0.417000
HETATM19022	H2	WAT	5237	22.758	-16.583	-18.441	0.417000
HETATM19023	O	WAT	5238	-4.701	16.541	-21.345	-0.834000
HETATM19024	H1	WAT	5238	-5.393	15.880	-21.345	0.417000
HETATM19025	H2	WAT	5238	-4.398	16.571	-22.252	0.417000
HETATM19026	O	WAT	5239	12.469	-20.375	10.082	-0.834000
HETATM19027	H1	WAT	5239	12.339	-19.481	9.766	0.417000
HETATM19028	H2	WAT	5239	13.307	-20.347	10.543	0.417000
HETATM19029	O	WAT	5240	9.962	5.886	19.829	-0.834000
HETATM19030	H1	WAT	5240	10.379	5.294	19.202	0.417000
HETATM19031	H2	WAT	5240	10.556	6.635	19.882	0.417000
HETATM19032	O	WAT	5241	25.205	15.992	-6.418	-0.834000
HETATM19033	H1	WAT	5241	26.040	15.942	-5.953	0.417000
HETATM19034	H2	WAT	5241	25.083	16.925	-6.592	0.417000
HETATM19035	O	WAT	5242	12.528	6.568	-23.726	-0.834000
HETATM19036	H1	WAT	5242	12.921	7.248	-24.273	0.417000
HETATM19037	H2	WAT	5242	13.225	5.922	-23.609	0.417000

HETATM19038	O	WAT 5243	-2.228	-31.739	-14.744	-0.834000
HETATM19039	H1	WAT 5243	-1.770	-32.578	-14.701	0.417000
HETATM19040	H2	WAT 5243	-1.935	-31.265	-13.965	0.417000
HETATM19041	O	WAT 5244	2.059	34.909	-5.055	-0.834000
HETATM19042	H1	WAT 5244	2.363	35.700	-5.499	0.417000
HETATM19043	H2	WAT 5244	1.857	34.299	-5.764	0.417000
HETATM19044	O	WAT 5245	-25.212	-12.931	-18.862	-0.834000
HETATM19045	H1	WAT 5245	-25.164	-12.997	-17.909	0.417000
HETATM19046	H2	WAT 5245	-24.595	-12.233	-19.085	0.417000
HETATM19047	O	WAT 5246	14.051	8.154	-28.032	-0.834000
HETATM19048	H1	WAT 5246	14.291	8.997	-28.417	0.417000
HETATM19049	H2	WAT 5246	13.649	7.668	-28.752	0.417000
HETATM19050	O	WAT 5247	24.605	0.145	24.328	-0.834000
HETATM19051	H1	WAT 5247	23.959	0.252	25.026	0.417000
HETATM19052	H2	WAT 5247	25.067	0.984	24.299	0.417000
HETATM19053	O	WAT 5248	-31.005	9.113	2.523	-0.834000
HETATM19054	H1	WAT 5248	-31.306	8.345	3.007	0.417000
HETATM19055	H2	WAT 5248	-30.052	9.095	2.613	0.417000
HETATM19056	O	WAT 5249	-34.206	4.020	5.575	-0.834000
HETATM19057	H1	WAT 5249	-34.285	4.829	5.068	0.417000
HETATM19058	H2	WAT 5249	-34.947	4.043	6.180	0.417000
HETATM19059	O	WAT 5250	-11.162	-1.890	27.636	-0.834000
HETATM19060	H1	WAT 5250	-11.168	-1.421	26.802	0.417000
HETATM19061	H2	WAT 5250	-12.085	-2.070	27.817	0.417000
HETATM19062	O	WAT 5251	-4.558	-19.197	25.512	-0.834000
HETATM19063	H1	WAT 5251	-4.165	-20.049	25.702	0.417000
HETATM19064	H2	WAT 5251	-4.213	-18.961	24.651	0.417000
HETATM19065	O	WAT 5252	6.539	-17.420	13.306	-0.834000
HETATM19066	H1	WAT 5252	5.890	-16.867	13.741	0.417000
HETATM19067	H2	WAT 5252	6.474	-17.184	12.381	0.417000
HETATM19068	O	WAT 5253	-0.765	19.319	4.753	-0.834000
HETATM19069	H1	WAT 5253	-1.522	19.887	4.607	0.417000
HETATM19070	H2	WAT 5253	-0.864	18.618	4.109	0.417000
HETATM19071	O	WAT 5254	1.787	4.384	20.760	-0.834000
HETATM19072	H1	WAT 5254	1.813	3.747	21.474	0.417000
HETATM19073	H2	WAT 5254	1.448	3.893	20.012	0.417000
HETATM19074	O	WAT 5255	-11.856	18.359	-21.021	-0.834000
HETATM19075	H1	WAT 5255	-12.246	18.861	-21.737	0.417000
HETATM19076	H2	WAT 5255	-11.198	18.945	-20.648	0.417000
HETATM19077	O	WAT 5256	-26.076	-1.320	-5.055	-0.834000
HETATM19078	H1	WAT 5256	-26.421	-0.454	-4.842	0.417000
HETATM19079	H2	WAT 5256	-26.769	-1.735	-5.569	0.417000
HETATM19080	O	WAT 5257	-11.911	-23.166	-11.162	-0.834000
HETATM19081	H1	WAT 5257	-12.436	-22.644	-10.554	0.417000
HETATM19082	H2	WAT 5257	-11.007	-23.015	-10.888	0.417000
HETATM19083	O	WAT 5258	16.415	28.467	3.441	-0.834000
HETATM19084	H1	WAT 5258	16.292	28.149	4.336	0.417000
HETATM19085	H2	WAT 5258	15.687	29.073	3.300	0.417000
HETATM19086	O	WAT 5259	-9.940	-18.525	-4.136	-0.834000
HETATM19087	H1	WAT 5259	-8.995	-18.404	-4.051	0.417000
HETATM19088	H2	WAT 5259	-10.207	-17.877	-4.789	0.417000
HETATM19089	O	WAT 5260	-24.847	5.133	-1.383	-0.834000
HETATM19090	H1	WAT 5260	-25.784	5.036	-1.551	0.417000
HETATM19091	H2	WAT 5260	-24.426	4.815	-2.182	0.417000
HETATM19092	O	WAT 5261	23.206	-14.956	-14.688	-0.834000
HETATM19093	H1	WAT 5261	22.375	-15.237	-14.305	0.417000
HETATM19094	H2	WAT 5261	23.191	-14.002	-14.619	0.417000
HETATM19095	O	WAT 5262	15.687	-26.444	-2.414	-0.834000
HETATM19096	H1	WAT 5262	15.269	-26.907	-1.688	0.417000
HETATM19097	H2	WAT 5262	15.126	-26.622	-3.168	0.417000
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