

Compound_2_Mat. std_output file

Module : Sorption
 Version : 6.1
 Build date : Oct 12 2012
 Host : vardha-PC
 Operating system : Windows
 Task started : Mon Apr 21 11:32:08 2014

Task : Adsorption isotherm
 Monte Carlo method : Metropolis
 Random number seed : 337760021

---- Fixed pressure calculation parameters ----

Equilibration steps : 10000
 Production steps : 100000

---- Energy parameters ----

Forcefield : COMPASS27
 Electrostatic terms:
 Summation method : Ewald & Group
 Accuracy : 0.0001 kcal/mol
 Charge group cutoff : 15.5 A
 Buffer width : 0.5 A

van der Waals terms:
 Summation method : Atom based
 Truncation method : Cubic spline
 Cutoff distance : 15.5 A
 Spline width : 1 A
 Buffer width : 0.5 A

Sample interval : 50 steps

---- Metropolis Monte Carlo method parameters ----

	Ratio	Maximum amplitude
Exchange	2.000	
Rotate	1.000	5 deg
Translate	1.000	1 A
Regrowth	0.100	

---- Fugacity point 1 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.144

Temperature : 298.000 K
 Total Fugacity : 0.144 kPa

---- Monte Carlo steps ----

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Sorbate Rotation	Loading Translation	C/D	Creation Ratio steps	Destruction steps	Regrowth steps	
steps						steps
3D Atomistic		3				
Accepted			1	0	0	
17025	1956		0			
Attempted			24456	24431	2460	
24239	24414		0			
Ratio			4.089e-005	0.000	0.000	
0.702	0.080					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	2.837	2	3

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	41.013	9.492	71.992

---- Overall system energies ----

Average total energy : 2683.807 kcal/mol

---- Fugacity point 2 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.257

Temperature : 298.000 K

Total Fugacity : 0.257 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio steps	Destruction steps	Regrowth steps	
steps						steps
3D Atomistic		4				
Accepted			1	0	0	

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15649		1673		0		24260		24539		2361	
	Attempted										
24638		24202		0							
	Ratio				4.122e-005			0.000		0.000	
0.635		0.069									

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	3.584	3	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	53.238	16.692	73.292

---- Overall system energies ----

Average total energy : 3376.114 kcal/mol

---- Fugacity point 3 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.371

Temperature : 298.000 K

Total Fugacity : 0.371 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps
steps			steps		steps
3D Atomistic	4				
Accepted			0	0	0
14576	1346	0			
Attempted			24427	24256	2348
24370	24599	0			
Ratio			0.000	0.000	0.000
0.598	0.055				

---- Loading ----

Sorbate	Average	Minimum	Maximum
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	loading	loading	loading	
3D Atomistic	4.000	4	4	

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol	
3D Atomistic	60.020	39.592	73.892	

---- Overall system energies ----

Average total energy : 3757.294 kcal/mol

---- Fugacity point 4 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa	
3D Atomistic	0.000	0.484	

Temperature : 298.000 K
Total Fugacity : 0.484 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic	4					
Accepted			0	0	0	
14375	1373	0	24334	24511	2404	
Attempted						
24418	24333	0	0.000	0.000	0.000	
Ratio						
0.589	0.056					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading	
3D Atomistic	4.000	4	4	

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol	
3D Atomistic	59.569	41.992	73.092	

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---- Overall system energies ----

Average total energy : 3758.703 kcal/mol

---- Fugacity point 5 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.597

Temperature : 298.000 K

Total Fugacity : 0.597 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic		4				
Accepted			0	0	0	
14678	1366	0	24491	24394	2323	
Attempted						
24403	24389	0	0.000	0.000	0.000	
Ratio						
0.601	0.056					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.189	40.592	73.292

---- Overall system energies ----

Average total energy : 3757.616 kcal/mol

---- Fugacity point 6 of 26 ----

---- Fixed pressure calculation ----

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Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.711

Temperature : 298.000 K
Total Fugacity : 0.711 kPa

---- Monte Carlo steps ----

Rotation	Sorbate Translation	Steps	Loading C/D	Creation Ratio	Steps	Destruction steps	Regrowth steps	steps
3D Atomistic	4							
Accepted				0		0		0
14983	1471		0	24504		24217		2430
Attempted								
24534	24315		0	0.000		0.000		0.000
Ratio								
0.611	0.060							

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.670	39.292	73.992

---- Overall system energies ----

Average total energy : 3758.416 kcal/mol

---- Fugacity point 7 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.824

Temperature : 298.000 K
Total Fugacity : 0.824 kPa

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---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic		4				
Accepted			0	0	0	
14703	1470	0	24346	24273	2438	
Attempted						
24663	24280	0				
Ratio			0.000	0.000	0.000	
0.596	0.061					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.242	39.392	73.792

---- Overall system energies ----

Average total energy : 3757.825 kcal/mol

---- Fugacity point 8 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	0.937

Temperature : 298.000 K
Total Fugacity : 0.937 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps

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3D Atomistic	4			
Accepted		0	0	0
14541 1410	0	24626	24404	2403
Attempted				
24193 24374	0	0.000	0.000	0.000
Ratio				
0.601 0.058				

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.238	40.492	74.092

---- Overall system energies ----

Average total energy : 3757.565 kcal/mol

---- Fugacity point 9 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.050

Temperature : 298.000 K
Total Fugacity : 1.050 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction	Regrowth	
steps			steps	steps	steps	steps
3D Atomistic	4					
Accepted			0	0	0	0
15730 1636	0	24583	24116	2455		
Attempted						
24409 24437	0	0.000	0.000	0.000		
Ratio						
0.644 0.067						

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---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	58.406	37.992	73.492

---- Overall system energies ----

Average total energy : 3759.892 kcal/mol

---- Fugacity point 10 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.164

Temperature : 298.000 K

Total Fugacity : 1.164 kPa

---- Monte Carlo steps ----

Rotation	Sorbate	Loading Translation	C/D	Creation Ratio	Destruction	Regrowth	
steps				steps	steps	steps	steps
3D Atomistic		4					
Accepted				0	0	0	0
15487	1494		0	24331	24245	2406	
Attempted			0				
24456	24562			0.000	0.000	0.000	
Ratio							
0.633	0.061						

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average	Minimum	Maximum
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	kcal/mol	kcal/mol	kcal/mol	
3D Atomistic	58.472	40.992	75.292	

---- Overall system energies ----

Average total energy : 3760.088 kcal/mol

---- Fugacity point 11 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.277

Temperature : 298.000 K

Total Fugacity : 1.277 kPa

---- Monte Carlo steps ----

Rotation	Sorbate Translation	Loading C/D	Creation Ratio steps	Destruction steps	Regrowth steps	
steps						steps
3D Atomistic		4				
Accepted			0	0	0	0
14715	1424		0			
Attempted			24190	24703	2456	
24372	24279		0			
Ratio			0.000	0.000	0.000	
0.604	0.059					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.551	41.192	73.292

---- Overall system energies ----

Average total energy : 3758.159 kcal/mol

---- Fugacity point 12 of 26 ----

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---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.390

Temperature : 298.000 K

Total Fugacity : 1.390 kPa

---- Monte Carlo steps ----

Rotation	Sorbate Translation	Loading C/D	Creation Ratio steps	Destruction steps	Regrowth steps	steps
3D Atomistic		4				
Accepted			0	0	0	0
14173	1349		0	24281	24659	2526
Attempted			0			
24279	24255			0.000	0.000	0.000
Ratio						
0.584	0.056					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.166	38.392	74.092

---- Overall system energies ----

Average total energy : 3757.340 kcal/mol

---- Fugacity point 13 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.503

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Temperature : 298.000 K
Total Fugacity : 1.503 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic		4				
Accepted			0	0	0	0
14694	1415		0	24424	24310	2422
Attempted			0			
24407	24437					
Ratio			0.000	0.000	0.000	
0.602	0.058					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.068	40.092	73.392

---- Overall system energies ----

Average total energy : 3757.684 kcal/mol

---- Fugacity point 14 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.617

Temperature : 298.000 K
Total Fugacity : 1.617 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps

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3D Atomistic	4			
Accepted		0	0	0
14534 1405	0	24442	24359	2531
Attempted		0		
24253 24415	0	0.000	0.000	0.000
Ratio				
0.599 0.058				

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.669	40.292	73.292

---- Overall system energies ----

Average total energy : 3756.983 kcal/mol

---- Fugacity point 15 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.730

Temperature : 298.000 K
Total Fugacity : 1.730 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps

3D Atomistic	4			
Accepted		0	0	0
14717 1396	0	24261	24554	2368
Attempted		0		
24603 24214	0	0.000	0.000	0.000
Ratio				
0.598 0.058				

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---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.403	39.492	74.292

---- Overall system energies ----

Average total energy : 3757.604 kcal/mol

---- Fugacity point 16 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.843

Temperature : 298.000 K
 Total Fugacity : 1.843 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps
steps			steps		steps
3D Atomistic	4				
Accepted			0	0	0
14501	1418	0	24449	24552	2415
Attempted			0		
24205	24379	0	0.000	0.000	0.000
Ratio					
0.599	0.058				

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

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---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.074	40.492	73.692

---- Overall system energies ----

Average total energy : 3757.335 kcal/mol

---- Fugacity point 17 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	1.957

Temperature : 298.000 K

Total Fugacity : 1.957 kPa

---- Monte Carlo steps ----

Rotation	Sorbate	Translation	Loading	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps					steps			steps
3D Atomistic				4				
Accepted					0	0	0	
14437		1411		0	24312	24373	2454	
Attempted					0			
24288		24573			0.000	0.000	0.000	
Ratio								
0.594		0.057						

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.315	41.192	73.692

---- Overall system energies ----

Average total energy : 3756.544 kcal/mol

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----- Fugacity point 18 of 26 -----

----- Fixed pressure calculation -----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.070

Temperature : 298.000 K
 Total Fugacity : 2.070 kPa

----- Monte Carlo steps -----

Rotation	Sorbate	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
	steps			steps			steps
3D Atomistic		4					
Accepted				0	0	0	
14407	1448		0	24310	24630	2374	
Attempted			0				
24217	24469			0.000	0.000	0.000	
Ratio							
0.595	0.059						

----- Loading -----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

----- Isothermic heats -----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.530	39.792	73.792

----- Overall system energies -----

Average total energy : 3757.472 kcal/mol

----- Fugacity point 19 of 26 -----

----- Fixed pressure calculation -----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
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3D Atomistic	0.000	2.183
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Temperature : 298.000 K
Total Fugacity : 2.183 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic		4				
Accepted			0	0	0	
14637	1341		0			
Attempted			24423	24230	2425	
24381	24541		0			
Ratio			0.000	0.000	0.000	
0.600	0.055					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.219	40.592	73.992

---- Overall system energies ----

Average total energy : 3756.978 kcal/mol

---- Fugacity point 20 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.296

Temperature : 298.000 K
Total Fugacity : 2.296 kPa

---- Monte Carlo steps ----

Sorbate	Loading	Creation	Destruction	Regrowth

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Rotation	Translation	C/D Ratio	steps	steps	steps	steps
steps						
3D Atomistic		4				
Accepted				0	0	0
14837	1461	0				
Attempted			24441	24283	2431	
24484	24361	0				
Ratio			0.000	0.000	0.000	
0.606	0.060					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.031	40.292	73.292

---- Overall system energies ----

Average total energy : 3757.684 kcal/mol

---- Fugacity point 21 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.410

Temperature : 298.000 K

Total Fugacity : 2.410 kPa

---- Monte Carlo steps ----

Rotation	Translation	C/D Ratio	Creation Ratio	Destruction	Regrowth
steps			steps	steps	steps
3D Atomistic		4			
Accepted			0	0	0
13968	1370	0			
Attempted			24415	24332	2467

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24254	Ratio	24532	0	0.000	0.000	0.000
0.576		0.056				

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isostatic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.385	40.592	73.592

---- Overall system energies ----

Average total energy : 3756.832 kcal/mol

---- Fugacity point 22 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.523

Temperature : 298.000 K
Total Fugacity : 2.523 kPa

---- Monte Carlo steps ----

Rotation	Sorbate	Loading Translation	C/D	Creation Ratio	Destruction	Regrowth	
steps				steps	steps	steps	steps
3D Atomistic		4					
Accepted				0	0	0	0
14632	1435		0	24199	24418	2468	
Attempted			0				
24282	24633			0.000	0.000	0.000	
Ratio							
0.603	0.058						

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
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 | 3D Atomistic | 4.000 | 4 | 4 |

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	59.859	40.292	72.892

---- Overall system energies ----

Average total energy : 3757.151 kcal/mol

---- Fugacity point 23 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.636

Temperature : 298.000 K
 Total Fugacity : 2.636 kPa

---- Monte Carlo steps ----

Rotation	Sorbate Translation	Steps	Creation C/D Ratio	Steps	Destruction steps	Regrowth steps	steps
14598	1336	0.000	0	1	0		
24349	24502	0.998	24373	24416	2360		
0.600	0.055		0.000	4.096e-005	0.000		

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.099	4	5

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	59.293	8.192	74.292

---- Overall system energies ----

Average total energy : 3852.421 kcal/mol

---- Fugacity point 24 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.749

Temperature : 298.000 K
Total Fugacity : 2.749 kPa

---- Monte Carlo steps ----

Rotation	Sorbate	Translation	Loading	C/D	Creation Ratio	Destruction	Regrowth	
	steps				steps	steps	steps	steps
3D Atomistic				4				
Accepted					0	0	0	0
14624		1338			0			
Attempted					24318	24397	2363	
24516		24406			0			
Ratio					0.000	0.000	0.000	
0.597		0.055						

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.502	40.092	73.892

---- Overall system energies ----

Average total energy : 3757.810 kcal/mol

---- Fugacity point 25 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell
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Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.863

Temperature : 298.000 K
Total Fugacity : 2.863 kPa

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps
steps			steps		steps
3D Atomistic		4			
Accepted			0	0	0
14848	1396		0		
Attempted			24134	24607	2451
24486	24322		0		
Ratio			0.000	0.000	0.000
0.606	0.057				

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isosteric heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.718	38.992	73.292

---- Overall system energies ----

Average total energy : 3757.463 kcal/mol

---- Fugacity point 26 of 26 ----

---- Fixed pressure calculation ----

Framework charge : 1.600 e per cell

Sorbate	Charge	Fugacity kPa
3D Atomistic	0.000	2.976

Temperature : 298.000 K
Total Fugacity : 2.976 kPa

Compound_2_Mat. std_output file

---- Monte Carlo steps ----

Sorbate Rotation	Loading Translation	C/D	Creation Ratio	Destruction steps	Regrowth steps	
steps			steps			steps
3D Atomistic		4				
Accepted			0	0	0	0
14699	1430		0	24069	24567	2403
Attempted			0			
24759	24202		0	0.000	0.000	0.000
Ratio						
0.594	0.059					

---- Loading ----

Sorbate	Average loading	Minimum loading	Maximum loading
3D Atomistic	4.000	4	4

---- Isothermic heats ----

Sorbate	Average kcal/mol	Minimum kcal/mol	Maximum kcal/mol
3D Atomistic	60.416	40.492	73.492

---- Overall system energies ----

Average total energy : 3757.102 kcal/mol

Task terminated : Mon Apr 21 11:46:18 2014

Total CPU time used : 14:09 minutes

Termination status : Normal