ORGANOMETALLICS
Organometallics, 1998, 17(14), 2945-2952, DOI:10.1021/om9800400

Table S-IV-4. (continued)

atom	atom	atom	angle	atom	atom	atom	angle
C((36)	C((35)	C((39)	111(2)	Mn((2)	C((36)	C((35)	70(1)
Mn((2)	C((36)	C((37)	72(1)	C((35)	C((36)	C((37)	106(2)
Mn((2)	C((37)	C((36)	71.2(9)	Mn((2)	C((37)	C((38)	71(1)
C((36)	C((37)	C((38)	107(2)	Mn((2)	C((38)	C((37)	73(1)
Mn((2)	C((38)	C((39)	69(1)	C((37)	C((38)	C((39)	109(2)
Mn((2)	C((39)	C((35)	72(1)	Mn((2)	C((39)	C((38)	72(1)
C((35)	C((39)	C((38)	104(2)	Fe((2)	C((40)	O((14)	178(1)
Fe((2)	C((41)	O((15)	175(1)	Fe((2)	C((42)	O((16)	178(1)

Table S-IV-5. Complete Bond Angles (deg) for 10

atom	atom	atom	angle	atom	atom	atom	angle
Co((1)	Re((1)	Fe((1)	56.01(4)	Co((1)	Re((1)	C((8))	45.1(2)
Co((1)	Re((1)	C((15)	113.5(3)	Co((1)	Re((1)	C((16)	116.9(5)
Co((1)	Re((1)	C((17)	146.8(9)	Co((1)	Re((1)	C((18)	168.8(6)
Co((1)	Re((1)	C((19)	134.9(6)	Co((1)	Re((1)	C((1))	63.7(3)
Co((1)	Re((1)	C((2))	101.6(3)	Fe((1)	Re((1)	C((8))	45.5(2)
Fe((1)	Re((1)	C((15)	126.7(4)	Fe((1)	Re((1)	C((16)	158.4(6)
Fe((1)	Re((1)	C((17)	157.0(9)	Fe((1)	Re((1)	C((18)	124.5(7)
Fe((1)	Re((1)	C((19)	112.4(3)	Fe((1)	Re((1)	C((1))	100.6(3)
Fe((1)	Re((1)	C((2))	62.8(3)	C((8))	Re((1)	C((15)	88.1(4)
C((8))	Re((1)	C((16)	113.9(7)	C((8))	Re((1)	C((17)	145.0(5)
C((8))	Re((1)	C((18)	125.8(8)	C((8))	Re((1)	C((19)	93.7(6)
C((8))	Re((1)	C((1))	108.7(3)	C((8))	Re((1)	C((2))	108.1(4)
C((15)	Re((1)	C((16)	33.4(5)	C((15)	Re((1)	C((17)	57.0(5)
C((15)	Re((1)	C((18)	56.2(5)	C((15)	Re((1)	C((19)	32.8(5)
C((15)	Re((1)	C((1))	121.7(6)	C((15)	Re((1)	C((2))	142.0(5)
C((16)	Re((1)	C((17)	36.1(6)	C((16)	Re((1)	C((18)	57.9(6)
C((16)	Re((1)	C((19)	55.9(4)	C((16)	Re((1)	C((1))	92.2(5)
C((16)	Re((1)	C((2))	136.1(7)	C((17)	Re((1)	C((18)	34.5(7)
C((17)	Re((1)	C((19)	56.6(6)	C((17)	Re((1)	C((1))	93.1(7)
C((17)	Re((1)	C((2))	100.1(8)	C((18)	Re((1)	C((19)	34.1(6)
C((18)	Re((1)	C((1))	124.3(9)	C((18)	Re((1)	C((2))	87.3(5)
C((19)	Re((1)	C((1))	146.9(4)	C((19)	Re((1)	C((2))	110.1(6)
C((1))	Re((1)	C((2))	86.2(4)	Co((2)	Re((2)	Fe((2)	55.63(4)
Co((2)	Re((2)	C((23)	62.6(3)	Co((2)	Re((2)	C((24)	94.5(2)

Table S-IV-5. (continued)

atom	atom	atom	angle	atom	atom	atom	angle
Co((2)	Re((2)	C((28)	45.9(2)	Co((2)	Re((2)	C((35)	116.8(3)
Co((2)	Re((2)	C((36)	123.3(3)	Co((2)	Re((2)	C((37)	153.4(4)
Co((2)	Re((2)	C((38)	169.6(5)	Co((2)	Re((2)	C((39)	135.4(4)
Fe((2)	Re((2)	C((23)	105.4(3)	Fe((2)	Re((2)	C((24)	61.8(3)
Fe((2)	Re((2)	C((28)	45.9(2)	Fe((2)	Re((2)	C((35)	128.0(4)
Fe((2)	Re((2)	C((36)	162.6(4)	Fe((2)	Re((2)	C((37)	149.8(4)
Fe((2)	Re((2)	C((38)	119.0(4)	Fe((2)	Re((2)	C((39)	109.0(3)
C((23)	Re((2)	C((24)	87.5(4)	C((23)	Re((2)	C((28)	107.2(3)
C((23)	Re((2)	C((35)	114.2(5)	C((23)	Re((2)	C((36)	86.6(4)
C((23)	Re((2)	C((37)	94.1(5)	C((23)	Re((2)	C((38)	127.3(5)
C((23)	Re((2)	C((39)	144.8(5)	C((24)	Re((2)	C((28)	107.6(3)
C((24)	Re((2)	C((35)	147.4(4)	C((24)	Re((2)	C((36)	132.6(5)
C((24)	Re((2)	C((37)	97.0(4)	C((24)	Re((2)	C((38)	89.6(4)
C((24)	Re((2)	C((39)	115.2(5)	C((28)	Re((2)	C((35)	89.7(4)
C((28)	Re((2)	C((36)	119.0(5)	C((28)	Re((2)	C((37)	147.8(3)
C((28)	Re((2)	C((38)	123.7(5)	C((28)	Re((2)	C((39)	91.8(4)
C((35)	Re((2)	C((36)	34.8(4)	C((35)	Re((2)	C((37)	59.2(4)
C((35)	Re((2)	C((38)	58.0(4)	C((35)	Re((2)	C((39)	34.7(4)
C((36)	Re((2)	C((37)	36.9(4)	C((36)	Re((2)	C((38)	58.5(4)
C((36)	Re((2)	C((39)	58.2(4)	C((37)	Re((2)	C((38)	34.3(4)
C((37)	Re((2)	C((39)	58.4(4)	C((38)	Re((2)	C((39)	34.9(4)
Re((1)	Co((1)	Fe((1)	62.00(4)	Re((1)	Co((1)	C((8))	49.1(2)
Re((1)	Co((1)	C((1))	43.3(2)	Re((1)	Co((1)	C((3))	115.8(3)
Re((1)	Co((1)	C((4))	97.3(3)	Re((1)	Co((1)	C((5))	141.8(3)

Table S-IV-5. (continued)

atom	atom	atom	angle	atom	atom	atom	angle
Fe((1)	Co((1)	C((8))	49.0(2)	Fe((1)	Co((1)	C((1))	90.5(2)
Fe((1)	Co((1)	C((3))	100.2(3)	Fe((1)	Co((1)	C((4))	154.9(3)
Fe((1)	Co((1)	C((5))	95.3(3)	C((8))	Co((1)	C((1))	92.3(3)
C((8))	Co((1)	C((3))	148.6(4)	C((8))	Co((1)	C((4))	107.2(4)
C((8))	Co((1)	C((5))	92.7(3)	C((1))	Co((1)	C((3))	80.0(4)
C((1))	Co((1)	C((4))	81.6(4)	C((1))	Co((1)	C((5))	174.0(4)
C((3))	Co((1)	C((4))	101.8(4)	C((3))	Co((1)	C((5))	97.4(4)
C((4))	Co((1)	C((5))	93.7(4)	Re((2)	Co((2)	Fe((2)	62.43(4)
Re((2)	Co((2)	C((23)	43.0(2)	Re((2)	Co((2)	C((25)	108.5(3)
Re((2)	Co((2)	C((26)	101.3(3)	Re((2)	Co((2)	C((27)	145.1(3)
Re((2)	Co((2)	C((28)	49.0(2)	Fe((2)	Co((2)	C((23)	95.4(2)
Fe((2)	Co((2)	C((25)	100.7(3)	Fe((2)	Co((2)	C((26)	155.8(3)
Fe((2)	Co((2)	C((27)	92.3(3)	Fe((2)	Co((2)	C((28)	49.7(2)
C((23)	Co((2)	C((25)	76.2(4)	C((23)	Co((2)	C((26)	80.9(4)
C((23)	Co((2)	C((27)	171.6(4)	C((23)	Co((2)	C((28)	91.0(3)
C((25)	Co((2)	C((26)	101.6(5)	C((25)	Co((2)	C((27)	99.2(4)
C((25)	Co((2)	C((28)	147.0(4)	C((26)	Co((2)	C((27)	93.3(4)
C((26)	Co((2)	C((28)	106.2(4)	C((27)	Co((2)	C((28)	96.6(4)
Re((1)	Fe((1)	Co((1)	61.99(4)	Re((1)	Fe((1)	C((8))	49.1(2)
Re((1)	Fe((1)	C((20)	113.2(3)	Re((1)	Fe((1)	C((21)	141.7(3)
Re((1)	Fe((1)	C((22)	100.3(3)	Re((1)	Fe((1)	C((2))	43.1(2)
Co((1)	Fe((1)	C((8))	48.5(2)	Co((1)	Fe((1)	C((20)	95.8(4)
Co((1)	Fe((1)	C((21)	96.4(3)	Co((1)	Fe((1)	C((22)	159.9(3)
Co((1)	Fe((1)	C((2))	91.7(2)	C((8))	Fe((1)	C((20)	143.6(4)
C((8))	Fe((1)	C((21)	92.7(4)	C((8))	Fe((1)	C((22)	113.2(4)
C((8))	Fe((1)	C((2))	92.0(3)	C((20)	Fe((1)	C((21)	99.3(5)
C((20)	Fe((1)	C((22)	100.5(5)	C((20)	Fe((1)	C((2))	80.6(4)

Table S-IV-5. (continued)

atom	atom	atom	angle	atom	atom	atom	angle
C((21)	Fe((1)	C((22)	92.6(5)	C((21)	Fe((1)	C((2))	171.9(4)
C((22)	Fe((1)	C((2))	79.5(4)	Re((2)	Fe((2)	Co((2)	61.94(4)
Re((2)	Fe((2)	C((24)	43.1(2)	Re((2)	Fe((2)	C((28)	48.7(2)
Re((2)	Fe((2)	C((40)	114.9(4)	Re((2)	Fe((2)	C((41)	139.6(4)
Re((2)	Fe((2)	C((42)	99.4(3)	Co((2)	Fe((2)	C((24)	86.7(2)
Co((2)	Fe((2)	C((28)	49.6(2)	Co((2)	Fe((2)	C((40)	93.9(3)
Co((2)	Fe((2)	C((41)	98.5(4)	Co((2)	Fe((2)	C((42)	160.6(3)
C((24)	Fe((2)	C((28)	91.8(3)	C((24)	Fe((2)	C((40)	79.4(4)
C((24)	Fe((2)	C((41)	174.8(4)	C((24)	Fe((2)	C((42)	82.0(4)
C((28)	Fe((2)	C((40)	143.1(4)	C((28)	Fe((2)	C((41)	91.2(4)
C((28)	Fe((2)	C((42)	114.9(4)	C((40)	Fe((2)	C((41)	100.6(5)
C((40)	Fe((2)	C((42)	99.5(5)	C((41)	Fe((2)	C((42)	92.8(5)
Re((1)	C((8))	Co((1)	85.8(3)	Re((1)	C((8))	Fe((1)	85.4(3)
Re((1)	C((8))	C((9))	129.4(6)	Co((1)	C((8))	Fe((1)	82.4(3)
Co((1)	C((8))	C((9))	127.5(5)	Fe((1)	C((8))	C((9))	130.0(6)
C((8))	C((9))	C((10)	121.6(7)	C((8))	C((9))	C((14)	122.8(7)
C((10)	C((9))	C((14)	115.6(7)	C((9))	C((10)	C((11)	122.5(8)
C((10)	C((11)	C((12)	119.5(8)	C((11)	C((12)	C((13)	119.3(8)
C((12)	C((13)	C((14)	120.2(9)	C((9))	C((14)	C((13)	122.8(8)
Re((1)	C((15)	C((16)	73.0(7)	Re((1)	C((15)	C((19)	74.5(8)
C((16)	C((15)	C((19)	111(1)	Re((1)	C((16)	C((15)	73.7(7)
Re((1)	C((16)	C((17)	70.8(8)	C((15)	C((16)	C((17)	105(1)
Re((1)	C((17)	C((16)	73.1(8)	Re((1)	C((17)	C((18)	72(1)
C((16)	C((17)	C((18)	106(1)	Re((1)	C((18)	C((17)	73(1)
Re((1)	C((18)	C((19)	75.7(8)	C((17)	C((18)	C((19)	108(1)
Re((1)	C((19)	C((15)	72.7(6)	Re((1)	C((19)	C((18)	70.2(9)
C((15)	C((19)	C((18)	108(1)	Fe((1)	C((20)	O((6))	177(1)

Table S-IV-5. (continued)

atom	atom	atom	angle	atom	atom	atom	angle
Fe((1)	C((21)	O((7))	177(1)	Fe((1)	C((22)	O((8))	178.1(9)
Re((2)	C((23)	Co((2)	74.5(3)	Re((2)	C((23)	O((9))	163.8(8)
Co((2)	C((23)	O((9))	121.3(7)	Re((2)	C((24)	Fe((2)	75.1(3)
Re((2)	C((24)	O((10)	162.9(8)	Fe((2)	C((24)	O((10)	121.8(8)
Co((2)	C((25)	O((11)	177(1)	Co((2)	C((26)	O((12)	177.8(10)
Co((2)	C((27)	O((13)	177.6(9)	Re((2)	C((28)	Co((2)	85.1(3)
Re((2)	C((28)	Fe((2)	85.4(3)	Re((2)	C((28)	C((29)	128.7(5)
Co((2)	C((28)	Fe((2)	80.7(3)	Co((2)	C((28)	C((29)	129.7(6)
Fe((2)	C((28)	C((29)	130.3(6)	C((28)	C((29)	C((30)	121.6(9)
C((28)	C((29)	C((34)	121.1(8)	C((30)	C((29)	C((34)	117.1(9)
C((29)	C((30)	C((31)	119(1)	C((30)	C((31)	C((32)	122(1)
C((31)	C((32)	C((33)	118(1)	C((32)	C((33)	C((34)	121(1)
C((29)	C((34)	C((33)	120(1)	Re((2)	C((35)	C((36)	71.0(6)
Re((2)	C((35)	C((39)	71.5(6)	C((36)	C((35)	C((39)	107(1)
Re((2)	C((36)	C((35)	74.2(6)	Re((2)	C((36)	C((37)	70.4(6)
C((35)	C((36)	C((37)	107(1)	Re((2)	C((37)	C((36)	72.7(5)
Re((2)	C((37)	C((38)	73.8(7)	C((36)	C((37)	C((38)	107(1)
Re((2)	C((38)	C((37)	71.9(6)	Re((2)	C((38)	C((39)	73.4(6)
C((37)	C((38)	C((39)	109(1)	Re((2)	C((39)	C((35)	73.7(6)
Re((2)	C((39)	C((38)	71.7(6)	C((35)	C((39)	C((38)	108(1)
Fe((2)	C((40)	O((14)	177(1)	Fe((2)	C((41)	O((15)	177(1)
Fe((2)	C((42)	O((16)	179.2(9)	Re((1)	C((1))	Co((1)	73.0(3)
Re((1)	C((1))	O((1))	166.8(9)	Co((1)	C((1))	O((1))	119.8(7)
Re((1)	C((2))	Fe((1)	74.1(3)	Re((1)	C((2))	O((2))	165.2(9)
Fe((1)	C((2))	O((2))	119.5(8)	Co((1)	C((3))	O((3))	174.3(9)
Co((1)	C((4))	O((4))	178.3(10)	Co((1)	C((5))	O((5))	178.3(8)

Table S-V-1. Least Squares Planes for 5

Plane number 1

Atoms defining plane	Distance
Co	0.0000
Mn	0.0000
C(8)	0.0000

Additional Atoms	Distance
C(14)	-0.009

Plane number 2

Atoms defining plane	Distance
C(9)	-0.02(1)
C(10)	0.01(1)
C(11)	0.00(2)
C(12)	-0.01(2)
C(13)	0.02(1)

Additional Atoms	Distance
Mn	1.791

Plane number 3

Atoms defining plane	Distance
C(14)	0.00(1)
C(15)	-0.01(1)
C(16)	0.02(2)
C(17)	-0.01(1)
C(18)	-0.01(2)
C(19)	0.01(1)

Summary

plane	mean deviation	χ^2
1	0.0000	0.0
2	0.0124	3.7
3	0.0111	4.6

Dihedral angles between planes (°)

plane	1	2
2	37.85	
3	14.71	50.69

Table S-V-2. Least Squares Planes for 7

Plane number 1

Atoms defining plane	Distance
Re	0.0000
Co	0.0000
C((8))	0.0000

Plane number 2

Atoms defining plane	Distance
C((14)	0.03(1)
C((15)	-0.01(2)
C((16)	-0.02(2)
C((17)	0.01(2)
C((18)	0.01(2)
C((19)	-0.04(2)

Plane number 3

Atoms defining plane	Distance
C((9))	0.02(2)
C((10)	-0.02(2)
C((11)	0.00(2)
C((12)	0.01(2)
C((13)	-0.02(1)

Additional Atoms	Distance
Re	1.962

Summary

plane	mean deviation	χ^2
1	0.0000	0.0
2	0.0200	12.8
3	0.0146	5.2

Dihedral angles between planes (°)

plane	1	2
2	16.42	
3	37.29	50.31

Table S-V-3. Least Squares Planes for 8

Plane number 1

Atoms defining plane	Distance
Co	0.0000
C((7))	0.0000
C((8))	0.0000

Additional Atoms	Distance
Re	1.990
O((7))	-0.048
C((14)	-1.099

Plane number 2

Atoms defining plane	Distance
Re	0.0000
Co	0.0000
C((8))	0.0000

Additional Atoms	Distance
C((7))	1.233
C((14)	-0.793

Plane number 3

Atoms defining plane	Distance
C((9))	-0.001(8)
C((10)	0.000(7)
C((11)	0.001(8)
C((12)	-0.002(9)
C((13)	0.002(9)

Additional Atoms	Distance
Re	-1.949

Plane number 4

Atoms defining plane	Distance
C((14)	0.001(8)
C((15)	-0.004(9)
C((16)	0.005(9)
C((17)	-0.002(9)
C((18)	0.00(1)
C((19)	0.002(10)

Table S-V-3. (continued)

Summary

plane	mean deviation	χ^2
1	0.0000	0.0
2	0.0000	0.0
3	0.0014	0.1
4	0.0026	0.6

Dihedral angles between planes (°)

plane	1	2	3
2	71.37		
3	39.02	37.49	
4	131.19	85.96	121.19

Table S-V-4. Least Squares Planes for 9

-------------- Plane number 1 --------------

Atoms Defining Plane	Distance	esd
Co((1)	0.0000	
Fe((1)	0.0000	
Mn((1)	0.0000	

Additional Atoms	Distance
C((1))	-1.3060
C((2))	-1.3241
C((8))	1.2357

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

-------------- Plane number 2 --------------

Atoms Defining Plane	Distance	esd
Co((1)	0.0000	
Fe((1)	0.0000	
C((8))	0.0000	

Additional Atoms	Distance
Mn((1)	-1.9167

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
2	1	59.04

-------------- Plane number 3 --------------

Atoms Defining Plane	Distance	esd
Co((1)	0.0000	
Mn((1)	0.0000	
C((8))	0.0000	

Additional Atoms	Distance
Fe((1)	1.8850

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
3	1	121.55
3	2	84.61

Table S-V-4. (continued)

-------------- Plane number 4 ---------------

Atoms Defining Plane	Distance	esd
Fe((1)	0.0000	
Mn((1)	0.0000	
C((8))	0.0000	

Additional Atoms	Distance
Co((1)	-1.9142

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
4	1	59.73
4	2	96.11
4	3	83.62

-------------- Plane number 5 ---------------

Atoms Defining Plane	Distance	esd
C((15)	0.0008	0.0125
C((16)	-0.0016	0.0133
C((17)	0.0015	0.0127
C((18)	-0.0009	0.0122
C((19)	0.0000	0.0115

Additional Atoms	Distance
Mn((1)	1.7827

Mean deviation from plane is 0.0010 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
5	1	111.37
5	2	52.35
5	3	55.41
5	4	126.73

-------------- Plane number 6 ---------------

Atoms Defining Plane	Distance	esd
C((9))	0.0097	0.0110
C((10)	-0.0047	0.0116
C((11)	-0.0109	0.0136
C((12)	0.0216	0.0139
C((13)	-0.0132	0.0138
C((14)	-0.0041	0.0135

Mean deviation from plane is 0.0107 angstroms
Chi-squared: 4.5

Dihedral angles between least-squares planes

plane	plane	angle
6	1	93.71
6	2	34.67
6	3	63.01
6	4	117.44
6	5	[illegible]

Table S-V-4. (continued)

-------------- Plane number 7 ---------------

Atoms Defining Plane	Distance	esd
Fe((1)	0.0000	
Mn((1)	0.0000	
C((2))	0.0000	

Additional Atoms	Distance
Co((1)	1.8766
C((1))	1.7330
C((8))	-0.0468

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
7	1	122.14
7	2	85.13
7	3	95.12
7	4	178.13
7	5	53.12
7	6	62.99

-------------- Plane number 8 ---------------

Atoms Defining Plane	Distance	esd
Co((1)	0.0000	
Mn((1)	0.0000	
C((1))	0.0000	

Additional Atoms	Distance
Fe((1)	-1.8195
C((2))	-1.7683
C((8))	0.0786

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
8	1	55.34
8	2	93.32
8	3	176.89
8	4	94.32
8	5	124.83
8	6	116.24
8	7	87.01

Table S-V-5. Least Squares Planes for 10

```
-------------- Plane number  1 ---------------

Atoms Defining Plane       Distance      esd
          Re((1)             0.0000
          Co((1)             0.0000
          Fe((1)             0.0000

Additional Atoms           Distance
          C((8))             1.2396

Mean deviation from plane is 0.0000  angstroms
 Chi-squared:          0.0

-------------- Plane number  2 ---------------

Atoms Defining Plane       Distance      esd
          Co((1)             0.0000
          Fe((1)             0.0000
          C((8))             0.0000

Additional Atoms           Distance
          Re((1)            -2.0410

Mean deviation from plane is 0.0000  angstroms
 Chi-squared:          0.0

Dihedral angles between least-squares planes
               plane  plane   angle
                 2      1     58.66

-------------- Plane number  3 ---------------

Atoms Defining Plane       Distance      esd
          Re((1)             0.0000
          Fe((1)             0.0000
          C((8))             0.0000

Additional Atoms           Distance
          Co((1)             1.9014

Mean deviation from plane is 0.0000  angstroms
 Chi-squared:          0.0

Dihedral angles between least-squares planes
               plane  plane   angle
                 3      1    122.09
                 3      2     86.36

-------------- Plane number  4 ---------------

Atoms Defining Plane       Distance      esd
          Re((1)             0.0000
          Co((1)             0.0000
          C((8))             0.0000

Additional Atoms           Distance
          Fe((1)            -1.9146
```

Table S-V-5. (continued)

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
4	1	58.55
4	2	94.06
4	3	82.71

-------------- Plane number 5 ---------------

Atoms Defining Plane	Distance	esd
C((9))	-0.0010	0.0077
C((10)	0.0004	0.0093
C((11)	-0.0016	0.0101
C((12)	0.0034	0.0091
C((13)	-0.0051	0.0099
C((14)	0.0032	0.0088

Mean deviation from plane is 0.0024 angstroms
Chi-squared: 0.5

Dihedral angles between least-squares planes

plane	plane	angle
5	1	92.44
5	2	33.81
5	3	63.86
5	4	113.67

-------------- Plane number 6 ---------------

Atoms Defining Plane	Distance	esd
C((15)	0.0092	0.0099
C((16)	-0.0057	0.0114
C((17)	-0.0096	0.0159
C((18)	0.0193	0.0158
C((19)	-0.0128	0.0109

Additional Atoms	Distance
Re((1)	1.9475

Mean deviation from plane is 0.0113 angstroms
Chi-squared: 3.3

Dihedral angles between least-squares planes

plane	plane	angle
6	1	115.62
6	2	56.96
6	3	54.50
6	4	126.48
6	5	23.28

-------------- Plane number 7 ---------------

Atoms Defining Plane	Distance	esd
Re((2)	0.0000	
Co((2)	0.0000	
Fe((2)	0.0000	

Additional Atoms	Distance
C((28)	1.2617

Table S-V-5. (continued)

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
7	1	20.76
7	2	51.87
7	3	101.34
7	4	48.16
7	5	82.97
7	6	105.61

-------------- Plane number 8 ---------------

Atoms Defining Plane	Distance	esd
Co((2)	0.0000	
Fe((2)	0.0000	
C((28)	0.0000	

Additional Atoms	Distance
Re((2)	-2.0322

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
8	1	72.33
8	2	23.07
8	3	63.67
8	4	86.99
8	5	27.44
8	6	47.94
8	7	58.16

-------------- Plane number 9 ---------------

Atoms Defining Plane	Distance	esd
Re((2)	0.0000	
Fe((2)	0.0000	
C((28)	0.0000	

Additional Atoms	Distance
Co((2)	1.9158

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
9	1	140.93
9	2	107.76
9	3	22.80
9	4	89.13
9	5	80.47
9	6	64.31
9	7	120.68
9	8	85.73

Table S-V-5. (continued)

-------------- Plane number 10 ---------------

Atoms Defining Plane	Distance	esd
Re((2)	0.0000	
Co((2)	0.0000	
C((28)	0.0000	

Additional Atoms	Distance
Fe((2)	-1.9216

Mean deviation from plane is 0.0000 angstroms
Chi-squared: 0.0

Dihedral angles between least-squares planes

plane	plane	angle
10	1	69.00
10	2	103.62
10	3	78.13
10	4	11.03
10	5	119.13
10	6	127.48
10	7	59.18
10	8	93.86
10	9	81.06

-------------- Plane number 11 ---------------

Atoms Defining Plane	Distance	esd
C((29)	-0.0011	0.0079
C((30)	0.0019	0.0117
C((31)	-0.0046	0.0141
C((32)	0.0062	0.0135
C((33)	-0.0053	0.0126
C((34)	0.0027	0.0100

Mean deviation from plane is 0.0036 angstroms
Chi-squared: 0.5

Dihedral angles between least-squares planes

plane	plane	angle
11	1	99.30
11	2	41.97
11	3	52.32
11	4	109.38
11	5	11.54
11	6	19.67
11	7	86.72
11	8	28.60
11	9	69.31
11	10	112.86

Table S-V-5. (continued)

-------------- Plane number 12 ---------------

Atoms Defining Plane	Distance	esd
C((35)	-0.0063	0.0094
C((36)	0.0010	0.0089
C((37)	0.0066	0.0096
C((38)	-0.0112	0.0095
C((39)	0.0101	0.0091

Additional Atoms	Distance
Re((2)	1.9522

Mean deviation from plane is 0.0070 angstroms
Chi-squared: 2.9

Dihedral angles between least-squares planes

plane	plane	angle
12	1	126.95
12	2	68.80
12	3	43.40
12	4	122.41
12	5	35.17
12	6	13.98
12	7	113.64
12	8	55.69
12	9	50.57
12	10	120.44
12	11	27.70