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 ******************************************************************

           Population analysis using the SCF density.

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 Orbital symmetries:
       Occupied  (SG) (SG) (SG) (SG) (PI) (PI) (SG) (SG) (PI) (PI)
                 (SG) (PI) (PI)
       Virtual   (SG)
 The electronic state is 1-SG.
 Alpha  occ. eigenvalues -- -103.41466 -19.43576 -10.14396  -7.60338  -7.56711
 Alpha  occ. eigenvalues --   -7.56711  -1.20593  -0.44578  -0.31050  -0.31050
 Alpha  occ. eigenvalues --    0.04341   0.31315   0.31315
 Alpha virt. eigenvalues --    1.24297
     Molecular Orbital Coefficients
                             1         2         3         4         5
                           (SG)--O   (SG)--O   (SG)--O   (SG)--O   (PI)--O
     EIGENVALUES --  -103.41466 -19.43576 -10.14396  -7.60338  -7.56711
   1 1   Cl 1S          0.99448   0.00015  -0.37667  -0.01304   0.00000
   2        2S          0.01582  -0.00243   1.05138   0.03785   0.00000
   3        2PX         0.00000   0.00000   0.00000   0.00000   0.98992
   4        2PY         0.00000   0.00000   0.00000   0.00000   0.00000
   5        2PZ        -0.00018  -0.00037  -0.03108   0.98691   0.00000
   6        3S         -0.00171  -0.01769   0.03713   0.00072   0.00000
   7        3PX         0.00000   0.00000   0.00000   0.00000   0.04059
   8        3PY         0.00000   0.00000   0.00000   0.00000   0.00000
   9        3PZ         0.00017   0.01489  -0.00020   0.04302   0.00000
  10 2   O  1S          0.00005   0.99265  -0.00431   0.00646   0.00000
  11        2S          0.00035   0.04212   0.00150   0.00210   0.00000
  12        2PX         0.00000   0.00000   0.00000   0.00000  -0.00302
  13        2PY         0.00000   0.00000   0.00000   0.00000   0.00000
  14        2PZ        -0.00032   0.01441   0.01435  -0.01603   0.00000
                             6         7         8         9        10
                           (PI)--O   (SG)--O   (SG)--O   (PI)--O   (PI)--O
     EIGENVALUES --    -7.56711  -1.20593  -0.44578  -0.31050  -0.31050
   1 1   Cl 1S          0.00000   0.06910   0.05935   0.00000   0.00000
   2        2S          0.00000  -0.26002  -0.17914   0.00000   0.00000
   3        2PX         0.00000   0.00000   0.00000   0.00000  -0.22243
   4        2PY         0.98992   0.00000   0.00000  -0.22243   0.00000
   5        2PZ         0.00000   0.13172  -0.16911   0.00000   0.00000
   6        3S          0.00000   0.33218   0.91555   0.00000   0.00000
   7        3PX         0.00000   0.00000   0.00000   0.00000   0.74430
   8        3PY         0.04059   0.00000   0.00000   0.74430   0.00000
   9        3PZ         0.00000  -0.11384   0.44970   0.00000   0.00000
  10 2   O  1S          0.00000  -0.20806   0.11572   0.00000   0.00000
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11			2S	0.00000	0.64371	-0.48911	0.00000	0.00000
12			2PX	0.00000	0.00000	0.00000	0.00000	0.48081
13			2PY	-0.00302	0.00000	0.00000	0.48081	0.00000
14			2PZ	0.00000	0.37193	-0.07243	0.00000	0.00000
				11	12	13	14	
				(SG)--O	(PI)--O	(PI)--O	(SG)--V	
	EIGENVALUES --			0.04341	0.31315	0.31315	1.24297	
1	1	Cl	1S	0.01581	0.00000	0.00000	-0.01033	
2			2S	-0.06950	0.00000	0.00000	-0.05780	
3			2PX	0.00000	0.17498	0.00000	0.00000	
4			2PY	0.00000	0.00000	0.17498	0.00000	
5			2PZ	0.13904	0.00000	0.00000	-0.18363	
6			3S	-0.02776	0.00000	0.00000	-1.35693	
7			3PX	0.00000	-0.80611	0.00000	0.00000	
8			3PY	0.00000	0.00000	-0.80611	0.00000	
9			3PZ	-0.35271	0.00000	0.00000	1.62487	
10	2	O	1S	0.12405	0.00000	0.00000	-0.13074	
11			2S	-0.65911	0.00000	0.00000	1.70055	
12			2PX	0.00000	0.95412	0.00000	0.00000	
13			2PY	0.00000	0.00000	0.95412	0.00000	
14			2PZ	0.77614	0.00000	0.00000	1.04546	