The group G is isomorphic to the group labelled by [24, 4] in the Small Groups library.
Ordinary character table of $G \cong$ C3 : Q8:

	$1a$	$2a$	$12a$	$12b$	$4a$	$3a$	$6a$	$4b$	$4c$
χ_1	1	1	1	1	1	1	1	1	1
χ_2	1	1	-1	-1	-1	1	1	-1	1
χ_3	1	1	-1	-1	-1	1	1	1	-1
χ_4	1	1	1	1	1	1	1	-1	-1
χ_5	2	-2	0	0	0	2	-2	0	0
χ_6	2	2	1	1	-2	-1	-1	0	0
χ_7	2	2	-1	-1	2	-1	-1	0	0
χ_8	2	-2	$E(12)^7 - E(12)^{11}$	$-E(12)^7 + E(12)^{11}$	0	-1	1	0	0
χ_9	2	-2	$-E(12)^7 + E(12)^{11}$	$E(12)^7 - E(12)^{11}$	0	-1	1	0	0

Trivial source character table of $G \cong$ C3 : Q8 at $p = 3$:

Normalisers N_i	N_1					N_2				
p-subgroups of G up to conjugacy in G	P_1					P_2				
Representatives $n_j \in N_i$	$1a$	$4b$	$4a$	$2a$	$4c$	$1a$	$4b$	$4a$	$2a$	$4c$
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 1\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	3	1	3	3	1	0	0	0	0	0
$0\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	3	-1	-3	3	1	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 1\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	3	1	-3	3	-1	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 1\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 1\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	3	-1	3	3	-1	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 1\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 1\cdot\chi_8 + 1\cdot\chi_9$	6	0	0	-6	0	0	0	0	0	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 1\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	1	-1	1	1	-1	1	1	-1	1	-1
$0\cdot\chi_1 + 0\cdot\chi_2 + 1\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	1	1	-1	1	-1	1	-1	1	1	-1
$0\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	1	-1	-1	1	1	1	-1	-1	1	1
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 1\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9$	2	0	0	-2	0	2	0	0	-2	0

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,12,5)(2,16,8)(3,18,10)(4,19,11)(6,21,14)(7,22,15)(9,23,17)(13,24,20)]) \cong$ C3

$N_1 = Group([(1,2,4,7)(3,13,9,6)(5,16,11,22)(8,19,15,12)(10,24,17,21)(14,18,20,23), (1,3,4,9)(2,6,7,13)(5,10,11,17)(8,14,15,20)(12,18,19,23)(16,21,22,24), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,20)(16,22)(18,23)(21,24), (1,5,12)(2,8,16)(3,10,18)(4,11,19)(6,14,21)(7,15,22)(9,17,23)(13,20,24)]) \cong$ C3 : Q8
$N_2 = Group([(1,12,5)(2,16,8)(3,18,10)(4,19,11)(6,21,14)(7,22,15)(9,23,17)(13,24,20), (1,2,4,7)(3,13,9,6)(5,16,11,22)(8,19,15,12)(10,24,17,21)(14,18,20,23), (1,3,4,9)(2,6,7,13)(5,10,11,17)(8,14,15,20)(12,18,19,23)(16,21,22,24)]) \cong$ C3 : Q8