

APPENDIX A

Obtained result from QUEST modeling analysis for determination chemical fingerprint of RON 95 petrol

Company

- ☐ V57 ≤ 0.8089 [Mode: Shell]
- ☐ V130 ≤ 0 [Mode: Shell]
 - ☐ V109 ≤ 0 [Mode: Shell]
 - V384 ≤ 1.9338 [Mode: Shell] ⇔ Shell
 - ☐ V384 > 1.9338 [Mode: Petronas]
 - V30 ≤ 0 [Mode: Petronas] ⇔ Petronas
 - V30 > 0 [Mode: Shell] ⇔ Shell
 - V109 > 0 [Mode: Petronas] ⇔ Petronas
 - V130 > 0 [Mode: BHP] ⇔ BHP
 - ☐ V57 > 0.8089 [Mode: BHP]

Symbol	Standard Retention Time
V30	5.25
V37	5.60
V57	6.60
V109	9.20
V130	10.25
V380	22.95