Report Sheet: Gas Chromatography of a Hydrocarbon Mixture (GC)

Names of Group Members: Abdul Foyeed Abdul Kodir, Linh Nguyen,
Kristin Poragion, Kert Mendola

TA: Ymon Zhong. Section: 021L

Component
Retention Time (tr)
Resolution (from nearest peak)

Cyclohexane
965
0.3337

Heptane
865
0.333

Toluene
—
—

p-Xylene
1825
2.146

Linkmourn Number 2

For unknown

Unknown Number 2

Run 1	Height Area (known)	Height Area (unknown)	Amt. (%v/v) for unknown)
Cyclohexar	ne 32.5	47.5	35.10
Heptane	33.5	40.0	30.22
Toluene	16.5	_=	- 1
p-Xylene	16.0	25.0	34.69

 Run 2
 Height Area (known)
 Height Area (unknown)
 Amt. (%v/v) for unknown

 Cyclohexane
 —
 42.0
 35.14

 Heptane
 —
 34.5
 29.51

 Toluene
 —
 —
 35.35

* Run 2 of known is discorded since the values obtained did not pass the "mean of 10" ket (not consistent with the other two is date).

Run 3	Area (known)	Height (unknown)	Amt. (%v/v) unbrown '
Cyclohexan	30.0	39.5	3449
Heptane	310	33-0	29.45
Toluene	17.0	and the highway	A
p-Xylene	16.5	22-0	36.06
Average			200
	Neight He Area (known) A	219kt rea (unknown)	Amt. (%v/v) std. dev.(%)
Cyclohexan	e 31·37	43.00	34.91 ± 0.69
Heptane	32.3	35.83	29.73 ± 0.43
Toluene	116.8	tana) - managalar	The state of the s
p-Xylene	116-3	23.17	35. 37 ± 0.69

Submit your chromatographic run data with your summary report.

