SAMPLE #1 - USED TO COMPUTE ACF

NORMALIZED - ACF RELATIVE TO BIPHENYL

Run	A	B	C	AVE
O. TERPHENYL	1.06	1.06	1.06	1.06
m TERPHENYL	0.98	0.96	0.98	0.98
P TERPHENYL	0.98	0.97	0.99	0.98

INTERNAL STD ACF RELATIVE TO TRIPHENYL METHANE

Run	A	B	C	AVE
o	1.04	1.03	1.03	1.03
m	0.97	0.94	0.95	0.95
p	0.97	0.95	0.96	0.96

SAMPLE 2 SYN. MIX.

Run	A	B	C	Ave.	True Value
ϕ_2	86.6	86.9	87.0	86.8	86.8
o-ϕ_3	2.7	2.6	2.4	2.6	2.6
m-ϕ_3	6.9	6.7	6.8	6.8	6.8
p-ϕ_3	3.8	3.8	3.8	3.8	3.8

Run	A	B	C	Ave	True Value
ϕ_2 By Diff	87.1	86.9	86.9	87.0	86.8
o-ϕ_3	2.6	2.6	2.6	2.6	2.6
m-ϕ_3	6.6	6.7	6.7	6.7	6.8
p-ϕ_3	3.7	3.8	3.8	3.8	3.8

SAMPLE 3 SYN. MIX.

Run	A	B	C	Ave	True Value
ϕ_2	86.2	86.4	86.2	86.3	86.3
oϕ_3	2.6	2.6	2.7	2.6	2.6
mϕ_3	7.6	7.5	7.7	7.6	7.7
pϕ_3	3.5	3.4	3.4	3.4	3.4

Run	A	B	C	Ave	True Value
ϕ_2 By Diff	85.8	86.3	86.4	86.2	86.3
oϕ_3	2.7	26	2.6	2.6	2.6
mϕ_3	7.9	7.6	7.6	7.7	7.7
pϕ_3	3.6	3.5	3.4	3.5	3.4

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Plant Matl. #4 given to G. Jones is
Crude Biphenyl Run 22 - 34

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TOWOLDMON0056600

SAMPLE #1 - USED TO COMPUTE ACF

NORMALIZED - ACF RELATIVE TO BIPHENYL

Run	A	B	C	AVE
O-TERPHENYL	1.06	1.06	1.06	1.06
M TERPHENYL	0.98	0.96	0.98	0.98
P TERPHENYL	0.98	0.97	0.99	0.98

INTERNAL STD ACF RELATIVE TO TRIPHENYL METHANE

Run	A	B	C	AVE
o	1.04	1.03	1.03	1.03
m	0.97	0.94	0.95	0.95
p	0.97	0.95	0.96	0.96

SAMPLE 2

Run	A	B	C	Ave.	True Value
ϕ_2	86.6	86.9	87.0	86.8	86.8
o-ϕ_3	2.7	2.6	2.4	2.6	2.6
m-ϕ_3	6.9	6.7	6.8	6.8	6.8
o-ϕ_3	3.8	3.8	3.8	3.8	3.8

Run	A	B	C	AVE	True Value
ϕ_2 By Diff	87.1	86.9	86.9	87.0	86.8
o-ϕ_3	2.6	2.6	2.6	2.6	2.6
m-ϕ_3	6.6	6.7	6.7	6.7	6.8
p-ϕ_3	3.7	3.8	3.8	3.8	3.8

SAMPLE 3 SYN. MIX.

Run	A	B	C	AVE	True Value
ϕ_2	86.2	86.4	86.2	86.3	86.3
o-ϕ_3	2.6	2.6	2.7	2.6	2.6
m-ϕ_3	7.6	7.5	7.7	7.6	7.7
p-ϕ_3	3.5	3.4	3.4	3.4	3.4

Run	A	B	C	AVE	True Value
ϕ_2 By Diff	85.8	86.3	86.4	86.2	86.3
o ϕ_3	2.7	2.6	2.6	2.6	2.6
m ϕ_3	7.9	7.6	7.6	7.7	7.7
p ϕ_3	3.6	3.5	3.4	3.5	3.4

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Sample #1 - Used to compute ACF

Normalized - ACF Relative to Biphenyl

Run	A	B	C	Ave
o-Terphenyl	1.06	1.06	1.06	1.06
m-Tirphenyl	0.98	0.96	0.98	0.98
p-Tirphenyl	0.98	0.97	0.99	0.98

Internal Std ACF Relative to Triphenyl Methane

Run	A	B	C	Ave
o	1.04	1.03	1.03	1.03
m	0.97	0.94	0.95	0.95
p	0.97	0.95	0.96	0.96

Sample 2

Run	A	B	C	Ave.	True Value
ϕ_2	86.6	86.9	87.0	86.8	86.8
o-ϕ_3	2.7	2.6	2.4	2.6	2.6
m-ϕ_3	6.9	6.7	6.8	6.8	6.8
o-ϕ_3	3.8	3.8	3.8	3.8	3.8

Run	A	B	C	Ave	True Value
ϕ_2 By Diff	87.1	86.4	86.9	87.0	86.8
o-ϕ_3	2.6	2.6	2.6	2.6	2.6
m-ϕ_3	6.6	6.7	6.7	6.7	6.8
p-ϕ_3	3.7	3.8	3.8	3.8	3.8

Sample 3 Syn. Mix.

Run	A	B	C	Ave	True Value
ϕ_2	86.2	86.4	86.2	86.3	86.3
o-ϕ_3	2.6	2.6	2.7	2.6	2.6
m-ϕ_3	7.6	7.5	7.7	7.6	7.7
p-ϕ_3	3.5	3.4	3.4	3.4	3.4

Run	A	B	C	Ave	True Value
ϕ_2 By Diff	85.8	86.3	86.4	86.2	86.3
o-ϕ_3	2.7	2.6	2.6	2.6	2.6
m-ϕ_3	7.9	7.6	7.6	7.7	7.7
p-ϕ_3	3.6	3.5	3.4	3.5	3.4

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