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Vapor-liquid equilibria of binary mixtures of methyl alkanoates + isomeric butanols

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Isobaric vapor-liquid measurements are reported at 101.32 10³Pa for methyl ethanoate, methyl propanoate, and methyl butanoate + 1-butanol, + 2-butanol, or + 2-methyl-1-propanol.

1. INTRODUCTION

In continuation of the experimental studies carried out in our laboratory on vapor-liquid equilibria (VLE) of mixtures of esters and alcohols (SUSP0890, ORTJ0905, ORTJ0906, ORTJ0907, ORTJ0934), we present here isobaric measurements at 101.32 103Pa for methyl ethanoate, methyl propanoate, and methyl butanoate + isomeric butanols. Only a few data appear in the literature (WICI0930) for this class of systems (PATV1771, BELV0870, PERV0800, FERJ1870). Data methyl propanoate + 2-methyl-1-propanol for (SUSP0930) or + 1-butanol (SUSP0931) have been published previously. The purpose of these measurements is to compare the experimental data with those predicted by various group contribution models (see, e. g., ORTJ0934), and especially to study the effect of branching of the alkanol and of the position of the hydroxyl group.

2. EXPERIMENTAL SECTION

2.1. Apparatus and Procedure

An all-glass dynamic equilibrium still consisting of a boiling flask, Cottrell pump, and condenser was used (ORTJ0860). Equilibrium temperature T was measured by means of a high-precision Pt resistance thermometer (Comark-6800, UK) calibrated against IPTS-68 to within $\sigma(T)/K = 0.02$. Pressure P was measured using a quartz Bourdon tube pressure gauge (MKS Inst., Model 270 B, France) to within $\sigma(P)/Pa = 20$.

Samples of liquid and condensed vapor were taken at intervals of 30-40 min. The liquid-phase x and vapor-phase y mole fractions were determined with a digital densimeter (Anton Paar, Model DMA-55, Austria) to within $\sigma(x_i) = 0.001$ and $\sigma(y_i) = 0.002$. The calibration curves were based on densities of synthetically prepared mixtures.

2.2. Materials

 $C_3H_6O_2$, Methyl ethanoate (Methyl acetate). Fluka AG (Buchs, Switzerland) "purum" grade material of stated purity > 99 mole %, degassed ultrasonically, dried over molecular sieves Type 3A (reference 69828, from Fluka), and used without further purification. n(D,298.15 K) = 1.3589; $\rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 927.07$.

C₄H₈O₂, Methyl propanoate (Methyl propionate). Fluka AG (Buchs, Switzerland) "purum" grade material of stated purity > 99 mole %, purified as above. $n(D,298.15 \text{ K}) = 1.3745; \rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 908.86.$

C₄H₁₀O, 1-Butanol (Butyl alcohol). Fluka AG (Buchs, Switzerland) "puriss p. a." grade material of stated purity > 99.5 mole % purified as above. n(D,298.15 K) =1.3974; $\rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 805.93$.

C₄H₁₀O, 2-Butanol (sec-Butyl alcohol). Fluka AG (Buchs, Switzerland) "puriss p. a." grade material of stated purity > 99.0 mole % purified as above. $n(D,298.15 \text{ K}) = 1.3953; \rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 802.36.$

C₄H₁₀O, 2-Methyl-1-propanol (Isobutyl alcohol). Fluka AG (Buchs, Switzerland) "puriss p. a." grade material of stated purity > 99.5 mole % purified as above. n(D,298.15 K) = 1.3939; $\rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 797.83$.

C₅H₁₀O₂, Methyl butanoate (Methyl butyrate). Fluka AG (Buchs, Switzerland) "purum" grade material of stated purity > 99.0 mole %, purified as above. $n(D,298.15 \text{ K}) = 1.3849; \rho_i(298.15 \text{ K})/\text{kg m}^{-3} = 892.61.$

3. RESULTS

All the isobaric measurements were performed at $(101.32 \pm 0.01)10^{3}$ Pa. The direct experimental values are tabulated and graphed in the Appendix and saved on disk as Standard ELDATA Files **ORTJ0950.001** through **ORTJ0950.018**.

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Property Code:	ELDATA SARL Fra [EVLM0001] VA	POR-LIQUID E	QUILIBRIUM IN	N MIXTURES AND SO	DLUTIONS	ORTJ0950.0
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.607900E+00 .640300E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	.339360E+03 .338520E+03 338520E+03 338520E+03 338520E+03 2LDATA SARL Fra [EVLM0002] VA Two-component 7 Pure component 7 Pure component 7 [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H6O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .883000E-01 .127500E+00 .1500E+00 .31500E+00 .605100E+00 .605100E+00 .605100E+00 .697900E+00 .757200E+00 .813000E+00 .813000E+00 .840800E+00 .873200E+00 .881700E+00 .889900E+00 .889900E+00	Image: system single phase is a single phase single phase is a single phase is a single phase is	QUILIBRIUM IN se liquid of component 1 in 1 f component 1 in 1 le x_1 and constant	liquid phase vapor phase P	LUTIONS	[X1]
.607900E+00 .640300E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	.339360E+03 .338520E+03 SELDATA SARL Fra [EVLM0002] VA Two-component 3 Pure component 3 Pure component 3 [Y1] P/Pa, [X1] $x_1/-$, [Y1] y_1/-, Direct measurem 1. C3H6O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .883000E-01 .127500E+00 .1500E+00 .31500E+00 .605100E+00 .605100E+00 .605100E+00 .637200E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .81700E+00 .889900E+00 .889900E+00 .902600E+00 .902600E+00 .913200E+00	Image: system single phase is a single phase single phase is a single phase is a single phase is	QUILIBRIUM IN se liquid of component 1 in 1 f component 1 in 1 le x_1 and constant	liquid phase vapor phase P	LUTIONS	[X1]
.607900E+00 .640300E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	.339360E+03 .338520E+03 338520E+03 338520E+03 338520E+03 2LDATA SARL Fra [EVLM0002] VA Two-component 7 Pure component 7 Pure component 7 [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H6O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .883000E-01 .127500E+00 .1500E+00 .31500E+00 .605100E+00 .605100E+00 .605100E+00 .697900E+00 .757200E+00 .813000E+00 .813000E+00 .840800E+00 .873200E+00 .881700E+00 .889900E+00 .889900E+00	Image: system single phase is a single phase single phase is a single phase is a single phase is	QUILIBRIUM IN se liquid of component 1 in 1 f component 1 in 1 le x_1 and constant	liquid phase vapor phase	0 [P1] = .10132	[X1]
.607900E+00 .640300E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	.339360E+03 .338520E+03 ELDATA SARL Fra [EVLM0002] VA Two-components Pure components Pure components [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H6O2, Metl 2. C4H10O, 1-But [P1] = .101 [Y1] .000000E+00 .883000E-01 .127500E+00 .12600E+00 .31500E+00 .65700E+00 .65100E+00 .605100E+00 .605100E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .889900E+00 .92600E+00 .913200E+00 .920100E+00 .920100E+00 .92100E+00 .92100E+00 .92100E+00 .92100E+00 .923500E+00	Image: system single phase is a single phase single phase is a single phase is a single phase is	QUILIBRIUM IN se liquid of component 1 in 1 f component 1 in 1 le x_1 and constant	liquid phase vapor phase P	LUTIONS	[X1] ORTJ0950.00 ∞
.607900E+00 .640300E+00 20pyright© 1995 E roperty Code: date: ariables: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: fethod: components: components: fethod: components: fethod: components: components: components: fethod: components: components: components: fethod: components: compon	.339360E+03 .338520E+03 SELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H6O2, Metl 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .883000E-01 .127500E+00 .172500E+00 .31500E+00 .605100E+00 .650900E+00 .697900E+00 .793100E+00 .813000E+00 .813000E+00 .813000E+00 .813000E+00 .883900E+00 .992600E+00 .9921000E+00 .9921000E+0	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate 1100 320E+06 [X1] .678700E+00 .717000E+00 .742000E+00 .867200E+00 .995500E+00 .934400E+00 .974500E+00 .983500E+00 .989400E+00	QUILIBRIUM IN se liquid of component 1 in 1 f component 1 in 1 le x_1 and constant	liquid phase vapor phase P	0 [P1] = .10132	[X1]

Property Code	LDATA SARL Fran [EVLM0001] VA	POR-LIOUID FO	UILIBRIUM IN	MIXTURES	AND SOLUTIONS	ORTJ0950.003
State:	Two-component s	system, single-phas	e liquid	MILLORLO		GRIgoreolog
	Pure component		1			
	Pure component 2					
Parameters:	[P1] P/Pa,	Pressure				
ariables:	[X1] $x_1/-$,		component 1 in l	iquid phase		
	[Y1] <i>T/</i> K,	Temperature	•			
	and the second state of th	ent of \tilde{T} at variable	x_1 and constant A	P		
	1. C ₃ H ₆ O ₂ , Met					
	2. $C_4H_{10}O$, 2-Bu		1			
(3/4)	[P1] = .101		(114)	[Y1]		
[X1]	[Y1]	[X1]	[Y1]	.380E+03	· · · · · · · · · · · · · · · · · · ·	
.000000E+00	.372360E+03	.942300E+00	.330920E+03			
.213000E-01	.370280E+03	.969900E+00	.330340E+03		(P1) =	.101320E+06
.270000E-01	.369800E+03	.100000E+01	.329910E+03		0 0	
.571000E-01 .136300E+00	.367090E+03 .360400E+03					
.150500E+00	.358300E+03			.365E+03	- \	-
.180500E+00	.356580E+03					
.202900E+00	.355070E+03				, ,	
.225400E+00	.353690E+03				0	
.244400E+00	.352400E+03				-0- -	
.267900E+00	.351110E+03			.350E+03		-
.296800E+00	.349480E+03				- OO-	
.320500E+00	.348330E+03				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
.343000E+00	.347280E+03					
.366900E+00	.346300E+03				·····	
.402300E+00	.345030E+03			.335E+03	-	·····o., -
.423200E+00	.344530E+03					
.462300E+00 .513900E+00	.343040E+03 .342050E+03				•	~~~
.610900E+00	.338700E+03					
.673800E+00	.337370E+03					
.760100E+00	.335180E+03			.320E+03	ll	1
.806600E+00	.333890E+03				.50E+00	
					.50E+00	[X1]
.806600E+00	.333890E+03				.50E+00	[X1]
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 E	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra	nce. All rights reserv	ed.			[X1]
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 E	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN	MIXTURES	.50E+00 AND SOLUTIONS	[X1]
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 E Property Code:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component	APOR-LIQUID E system, single-pha	QUILIBRIUM IN	MIXTURES		
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 E Property Code:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component	APOR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN	MIXTURES		
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	APOR-LIQUID E system, single-pha 1, liquid 2, liquid	QUILIBRIUM IN	MIXTURES		
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Parameters:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa,	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure	QUILIBRIUM IN se liquid			
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-,	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o	QUILIBRIUM IN se liquid f component 1 in	liquid phase		
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Parameters: Variables:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-,	APOR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in f component 1 in	liquid phase vapor phase		
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem	APOR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o tent of y ₁ at variab	QUILIBRIUM IN se liquid f component 1 in f component 1 in	liquid phase vapor phase		
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-,	APOR-LIQUID Ed system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o tent of y ₁ at variable	QUILIBRIUM IN se liquid f component 1 in f component 1 in	liquid phase vapor phase		
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C₃H₆O₂ , Met	APOR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o nent of y ₁ at variab thyl ethanoate utanol	QUILIBRIUM IN se liquid f component 1 in f component 1 in	liquid phase vapor phase		
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₃ H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-B	APOR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o nent of y ₁ at variab thyl ethanoate utanol	QUILIBRIUM IN se liquid f component 1 in f component 1 in	liquid phase vapor phase		
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1]	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C3H6O2, Met 2. C4H10O, 2-B [P1] = .101	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o nent of y ₁ at variab thyl ethanoate utanol 1320E+06	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x_1 and constant	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: <u>Method:</u> Components:	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C₃H₆O₂ , Mei 2. C₄H₁₀O , 2-B [P1] = .101 [Y1]	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o nent of y ₁ at variable thyl ethanoate utanol 1320E+06 [X1]	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1]	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C₃H₆O₂ , Met 2. C₄H₁₀O , 2 -B [P1] = .101 [Y1] .000000E+00	APOR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o nent of y ₁ at variab thyl ethanoate utanol 1320E+06 [X1] .942300E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C3H6O2 , Met 2. C4H10O , 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C3H6O2 , Met 2. C4H10O , 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .571000E-01	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C3H6O2 , Met 2. C4H10O , 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00 .232700E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .571000E-01 .136300E+00 .157400E+00 .180500E+00	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C3H6O2 , Met 2. C4H10O , 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00 .232700E+00 .445300E+00 .540700E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .571000E-01 .136300E+00 .157400E+00 .180500E+00 .202900E+00	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C3H6O2 , Met 2. C4H10O , 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00 .232700E+00 .445300E+00 .540700E+00 .578300E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .571000E-01 .136300E+00 .157400E+00 .180500E+00 .225400E+00	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C3H6O2, Met 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00 .232700E+00 .445300E+00 .578300E+00 .578300E+00 .609000E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E+01 .270000E-01 .371000E-01 .136300E+00 .157400E+00 .180500E+00 .225400E+00 .225400E+00 .244400E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E+00 .270000E+01 .571000E+01 .136300E+00 .157400E+00 .202900E+00 .225400E+00 .244400E+00 .267900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .571000E-01 .371000E-01 .136300E+00 .157400E+00 .22900E+00 .225400E+00 .244400E+00 .267900E+00 .296800E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .57000E-01 .57000E-01 .136300E+00 .180500E+00 .225400E+00 .244400E+00 .244400E+00 .2400E+00 .22500E+00 .2400E+000E+00 .2400E+000E+000E+000E+000E+000E+000E+000E	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E+00 .213000E+00 .136300E+00 .157400E+00 .202900E+00 .202900E+00 .244400E+00 .244400E+00 .20500E+00 .320500E+00 .343000E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .371000E-01 .371000E-01 .371000E-01 .136300E+00 .157400E+00 .202900E+00 .225400E+00 .225400E+00 .244400E+00 .267900E+00 .320500E+00 .320500E+00 .343000E+00 .366900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E+00 .213000E+00 .157100E-01 .136300E+00 .157400E+00 .202900E+00 .225400E+00 .225400E+00 .244400E+00 .267900E+00 .320500E+00 .343000E+00 .366900E+00 .366900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .136300E+00 .157400E+00 .157400E+00 .202900E+00 .225400E+00 .244400E+00 .244400E+00 .320500E+00 .320500E+00 .343000E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ 331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in le x ₁ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .136300E+00 .157400E+00 .157400E+00 .202900E+00 .202900E+00 .244400E+00 .244400E+00 .320500E+00 .343000E+00 .343000E+00 .366900E+00 .402300E+00 .402300E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ 331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .136300E+00 .157400E+00 .157400E+00 .202900E+00 .202900E+00 .225400E+00 .244400E+00 .267900E+00 .320500E+00 .343000E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00 .366900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ .331900E+03\\ \hline \\ \hline \\ .31900E+03\\ \hline \\ .31900E+03\\ \hline \\ \hline \\ .31900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 F</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .136300E+00 .157400E+00 .157400E+00 .202900E+00 .202900E+00 .225400E+00 .244400E+00 .320500E+00 .343000E+00 .340300E+00 .462300E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ 331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 <u>Copyright© 1995 E</u> Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .371000E-01 .136300E+00 .157400E+00 .225400E+00 .225400E+00 .244400E+00 .244400E+00 .267900E+00 .320500E+00 .343000E+00 .343000E+00 .402300E+00 .402300E+00 .402300E+00 .402300E+00 .402300E+00 .513900E+00 .513900E+00	.333890E+03 .332810E+03 .331900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C3H6O2, Mei 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .987000E-01 .120000E+00 .232700E+00 .445300E+00 .578300E+00 .578300E+00 .665300E+00 .665300E+00 .665300E+00 .777100E+00 .777100E+00 .7786800E+00 .777700E+00 .777700E+00 .776800E+00 .811900E+00 .811900E+00 .879100E+00	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .371000E-01 .371000E-01 .136300E+00 .157400E+00 .157400E+00 .202900E+00 .225400E+00 .244400E+00 .244400E+00 .320500E+00 .343000E+00 .343000E+00 .402300E+00 .402300E+00 .513900E+00 .610900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00
.806600E+00 .857300E+00 .898800E+00 Copyright© 1995 F Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .213000E-01 .270000E-01 .371000E-01 .371000E-01 .371000E-01 .136300E+00 .157400E+00 .202900E+00 .202900E+00 .202900E+00 .20500E+00 .343000E+00 .343000E+00 .343000E+00 .343000E+00 .343000E+00 .313900E+00 .513900E+00 .513900E+00 .513900E+00 .513900E+00 .513900E+00 .513900E+00 .513900E+00	$\begin{array}{c} .333890E+03\\ .332810E+03\\ .332810E+03\\ .331900E+03\\ \hline \\ \hline$	APOR-LIQUID E0system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onent of y_1 at variablethyl ethanoateutanol1320E+06[X1].942300E+00.969900E+00	QUILIBRIUM IN se liquid f component 1 in f component 1 in $ ex_1 $ and constant [Y1] .982900E+00 .990800E+00	liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.00

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State:	Two-component	system, single-pha	se liquid				-
	Pure component		-				
	Pure component						
Parameters:	[P1] <i>P</i> /Pa,	Pressure	f common ant 1 in	liquid phose			
Variables:	[X1] $x_1/-$, [Y1] T/K ,	Temperature	of component 1 in	nquiu phase			
Method:		ent of T at variabl	e_{x_1} and constant	P			
Components:	1. C3H6O2, Met				Marine and State		
•	2. C ₄ H ₁₀ O, 2-M	lethyl-1-propanol	T		· · · ·		
	[P1] = .101			[Y1]			
[X1]	[Y1]	[X1]	[Y1]	.400E+03			
.000000E+00	.380390E+03	.708500E+00	.336190E+03	· · · · · · · · · · · · · · · · · · ·			
.191000E-01	.377180E+03	.747300E+00	.335380E+03			○ [P1] = .101	320E+06
.316000E-01	.375400E+03	.780500E+00	.334560E+03			• []	
.572000E-01 .723000E-01	.371960E+03 .370120E+03	.815300E+00 .845500E+00	.333760E+03 .333090E+03	2007.02			
.155000E+00	.361810E+03	.843300E+00	.332520E+03	.380E+03			
.176500E+00	.359830E+03	.898800E+00	.331880E+03	0			Sec. P. Harris
.193600E+00	.358340E+03	.923700E+00	.331370E+03	Ċ	0		in the second
.209100E+00	.357050E+03	.941500E+00	.330970E+03		- .		a second a second
.253700E+00	.353790E+03	.954500E+00	.330690E+03				1 - 1 - X - 1 - 1
.274700E+00	.352330E+03	.969600E+00	.330350E+03	.360E+03	JO I		1990 - 199 7
.306000E+00	.350700E+03	.980300E+00	.330100E+03	58 - St.	°° °°°.°°°°°°°°°°°°°°°°°°°°°°°°°°		
.327100E+00	.349330E+03	.100000E+01	.329910E+03		~o.o_		
.351800E+00	.348220E+03				000		
.374000E+00 .402100E+00	.346980E+03 .345860E+03				~ <u>~</u> _	000	
.402100E+00	.343800E+03			.340E+03		00000	
.455600E+00	.343580E+03					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	200
.486100E+00	.342600E+03			l			TTTT OO
.513300E+00	.341620E+03						
.549500E+00	.340630E+03						
.575300E+00	.339650E+03	North March 1999 and an an	and the second second	.320E+03			
.612900E+00	.338680E+03				.50)E+00	13/1
.645900E+00	.337930E+03				.5()E+00	[X1
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.645900E+00 .678500E+00 Copyright© 1995 E Property Code:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN	MIXTURES AN			[X1
.645900E+00 .678500E+00 Copyright© 1995 E	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component	POR-LIQUID E system, single-pha	QUILIBRIUM IN	MIXTURES AN			
.645900E+00 .678500E+00 Copyright© 1995 E Property Code:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN	I MIXTURES AN			
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID E system, single-pha 1, liquid 2, liquid	QUILIBRIUM IN	I MIXTURES AN			
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure	QUILIBRIUM IN se liquid				ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in l f component 1 in v	liquid phase vapor phase			
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in l f component 1 in v	liquid phase vapor phase			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H6O2, Met	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variab hyl ethanoate	QUILIBRIUM IN se liquid f component 1 in l f component 1 in v	liquid phase vapor phase			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₃ H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-M	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variab hyl ethanoate ethyl-1-propanol	QUILIBRIUM IN se liquid f component 1 in l f component 1 in v	liquid phase vapor phase			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C3H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-M [P1] = .101	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variab hyl ethanoate ethyl-1-propanol 320E+06	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in v_1 le x_1 and constant	liquid phase vapor phase			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1]	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_{1/-}$, [Y1] $y_{1/-}$, Direct measurem 1. C ₃ H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-M [P1] = .101 [Y1]	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1]	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1]	liquid phase vapor phase			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ \hline$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .938200E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01	$\begin{array}{r} .337930E+03\\ .337000E+03\\ \hline \\ ELDATA SARL Fra\\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ [P1] P/Pa,\\ [X1] x_1/-,\\ [Y1] y_1/-,\\ \hline \\ Direct measurem\\ \hline 1. C_3H_6O_2, Met\\ \hline 2. C_4H_{10}O, 2-M\\ [P1] = .101\\ \hline \\ [Y1]\\ .000000E+00\\ .146300E+00\\ \end{array}$	POR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction oent of y_1 at variab hyl ethanoateethyl-1-propanol 320E+06[X1].708500E+00.747300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .938200E+00 .946900E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright@ 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ ELDATA SARL Fra\\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ [P1] P/Pa,\\ [X1] x_1/-,\\ [Y1] y_1/-,\\ \hline \\ Direct measurem\\ \hline 1. C_3H_6O_2, Met\\ \hline 2. C_4H_{10}O, 2-M\\ \hline \\ [P1] = .101\\ \hline \\ [Y1]\\ .000000E+00\\ .146300E+00\\ .201700E+00\\ \end{array}$	POR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction oent of y_1 at variab hyl ethanoateethyl-1-propanol 320E+06[X1].708500E+00.747300E+00.780500E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .938200E+00 .946900E+00 .953500E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright@ 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ ELDATA SARL Fra\\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ [P1] $P/Pa,\\ [X1] $x_{1}/-,\\ [Y1] $y_{1}/-,\\ \hline \\ Direct measurem\\ \hline 1. $C_{3}H_{6}O_{2}, Met\\ 2. $C_{4}H_{10}O, 2-M\\ [P1] = .101\\ \hline \\ [Y1]\\ .000000E+00\\ .146300E+00\\ .201700E+00\\ .303600E+00\\ \end{array}$	IPOR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction oent of y_1 at variab hyl ethanoateethyl-1-propanol 320E+06[X1].708500E+00.747300E+00.780500E+00.815300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .938200E+00 .946900E+00 .953500E+00 .960800E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ ELDATA SARL Fra\\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ [P1] P/Pa,\\ [X1] x_1/-,\\ [Y1] y_1/-,\\ \hline \\ Direct measurem\\ \hline 1. C_3H_6O_2, Met\\ \hline 2. C_4H_{10}O, 2-M\\ \hline \\ [P1] = .101\\ \hline \\ [Y1]\\ .000000E+00\\ .146300E+00\\ .201700E+00\\ .303600E+00\\ .358600E+00\\ \end{array}$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .747300E+00 .815300E+00 .845500E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x ₁ and constant [Y1] .938200E+00 .946900E+00 .953500E+00 .960800E+00 .966900E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .155000E+00	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₃ H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-M [P1] = .101 [Y1] .000000E+00 .146300E+00 .303600E+00 .358600E+00 .581700E+00	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .747300E+00 .815300E+00 .815300E+00 .845500E+00 .871200E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x ₁ and constant [Y1] .938200E+00 .946900E+00 .953500E+00 .966900E+00 .966900E+00 .972100E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .572000E-01 .155000E+00 .176500E+00	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₃ H ₆ O ₂ , Met 2. C ₄ H ₁₀ O, 2-M [P1] = .101 [Y1] .000000E+00 .146300E+00 .303600E+00 .358600E+00 .581700E+00 .624700E+00	IPOR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction onote fraction oetholsystem hyl ethanoate ethyl-1-propanol320E+06[X1].708500E+00.747300E+00.780500E+00.815300E+00.815300E+00.815300E+00.871200E+00.898800E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x ₁ and constant [Y1] .938200E+00 .946900E+00 .953500E+00 .966900E+00 .966900E+00 .972100E+00 .978300E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .155000E+00 .176500E+00 .193600E+00	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C3H6O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .146300E+00 .303600E+00 .303600E+00 .581700E+00 .624700E+00 .653800E+00	IPOR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction oMole fraction oethole fraction oethole fraction osystem, single-pha320E+06[X1].708500E+00.747300E+00.780500E+00.815300E+00.845500E+00.871200E+00.898800E+00.923700E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .972100E+00 .978300E+00 .983300E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .191000E-01 .572000E-01 .572000E-01 .572000E-01 .155000E+00 .193600E+00 .193600E+00 .209100E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \hline$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00	QUILIBRIUM IN se liquid of component 1 in N of component 1 in N of component 1 in N le x_1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .972100E+00 .978300E+00 .983300E+00 .98300E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .191000E-01 .572000E-01 .572000E-01 .572000E-01 .155000E+00 .193600E+00 .209100E+00 .253700E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \hline$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ethole fraction o ethole fraction o system, single-pha Mole fraction o ethole fraction o ethole fraction o system, single-pha 320E 320E+06 [X1] .708500E+00 .747300E+00 .780500E+00 .845500E+00 .85500E+00 .871200E+00 .923700E+00 .941500E+00 .954500E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .972100E+00 .978300E+00 .983300E+00 .987000E+00 .989900E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .572000E-01 .572000E-01 .155000E+00 .176500E+00 .209100E+00 .253700E+00 .274700E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure $	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ethole fraction o ethole fraction o system, single-pha Mole fraction o ethole fraction o ethole fraction o system, single-pha 320E 320E+06 [X1] .708500E+00 .747300E+00 .747300E+00 .85500E+00 .85500E+00 .871200E+00 .898800E+00 .923700E+00 .941500E+00 .954500E+00 .969600E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .983300E+00 .987000E+00 .989900E+00 .993400E+00	liquid phase vapor phase P	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .572000E-01 .572000E-01 .723000E-01 .155000E+00 .176500E+00 .209100E+00 .253700E+00 .274700E+00 .306000E+00	.337930E+03 .337000E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure componen	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00 .94500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1]			ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .155000E+00 .193600E+00 .209100E+00 .253700E+00 .253700E+00 .306000E+00 .327100E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \hline \\ [EVLM0002] VA\\ \hline \\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ PI = .01\\ \hline \\ . (Y1) y_1/-,\\ \hline \\ Direct measurem\\ \hline \\ . C_3H_6O_2, Met\\ \hline \\ . C_4H_{10}O, 2-M\\ \hline \\ \hline \\ . (Y1) \\ \hline \\ . 000000E+00\\ .146300E+00\\ .303600E+00\\ .303600E+00\\ .581700E+00\\ .678600E+00\\ .734600E+00\\ .755000E+00\\ .781800E+00\\ .799500E+00\\ \hline \end{array}$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ethole fraction o ethole fraction o system, single-pha Mole fraction o ethole fraction o ethole fraction o system, single-pha 320E 320E+06 [X1] .708500E+00 .747300E+00 .747300E+00 .85500E+00 .85500E+00 .871200E+00 .898800E+00 .923700E+00 .941500E+00 .954500E+00 .969600E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .983300E+00 .987000E+00 .989900E+00 .993400E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .572000E-01 .572000E-01 .723000E-01 .155000E+00 .176500E+00 .209100E+00 .253700E+00 .274700E+00 .306000E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \\ \hline \\$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .155000E+00 .193600E+00 .209100E+00 .253700E+00 .306000E+00 .327100E+00 .351800E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \\ \hline \\$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E+00 .191000E-01 .572000E-01 .723000E-01 .155000E+00 .193600E+00 .209100E+00 .253700E+00 .327100E+00 .351800E+00 .374000E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ \\ \hline \\$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .723000E-01 .155000E+00 .176500E+00 .193600E+00 .209100E+00 .257700E+00 .306000E+00 .351800E+00 .374000E+00 .374000E+00 .402100E+00	$\begin{array}{c}337930E+03\\337000E+03\\ \hline \\37000E+03\\ \hline \\37000E+03\\ \hline \\37000E+03\\ \hline \\37000E+00\\3700E+00\\38600E+00\\38600E+00\\38600E+00\\38600E+00\\38600E+00\\38600E+00\\38600E+00\\38600E+00\\38000E+00\\84300E+00\\84300E+00\\ .$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .572000E+00 .176500E+00 .193600E+00 .209100E+00 .253700E+00 .327100E+00 .351800E+00 .374000E+00 .402100E+00 .432600E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .1 \\ .2 \\ .2 \\ .2 \\ .2 \\ .2 \\ .2 \\ .2$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Variables: Variables: Variables: (X1] .00000E+00 .191000E-01 .316000E-01 .572000E-01 .572000E-01 .572000E-01 .155000E+00 .193600E+00 .29100E+00 .253700E+00 .306000E+00 .327100E+00 .374000E+00 .374000E+00 .374000E+00 .432600E+00 .432600E+00 .435600E+00 .435600E+00 .435600E+00 .436100E+00	$\begin{array}{c}337930E+03\\337000E+03\\ \hline \\37000E+03\\ \hline \\37000E+03\\ \hline \\37000E+03\\ \hline \\37000E+00\\37000E+00\\37000E+00\\37800E+00\\3800E+00\\3800$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .924500E+00 .941500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1]	ND SOLUTIONS	000000000000000000000000000000000000000	ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .00000E+00 .191000E-01 .316000E-01 .572000E-01 .572000E-01 .723000E-01 .155000E+00 .193600E+00 .29100E+00 .253700E+00 .351800E+00 .351800E+00 .351800E+00 .432600E+00 .432600E+00 .435600E+00 .455600E+00 .486100E+00 .513300E+00 .549500E+00	$\begin{array}{c}337930E+03\\337000E+03\\ \hline37000E+03\\ \hline37000E+03\\ \hline37000E+03\\ \hline37000E+03\\ \hline37000E+03\\ \hline3700E+03\\3700E+00\\3700E+00\\3700E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37600E+00\\37500E+00\\37500E+00\\37500E+00\\37500E+00\\38700E+00\\38700E+00\\$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00 .94500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS		ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .00000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .723000E-01 .155000E+00 .176500E+00 .29100E+00 .253700E+00 .351800E+00 .351800E+00 .351800E+00 .351800E+00 .432600E+00 .432600E+00 .435600E+00 .435600E+00 .486100E+00 .513300E+00 .575300E+00	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .358600E+00\\ .581700E+00\\ .624700E+00\\ .623800E+00\\ .581700E+00\\ .62800E+00\\ .755000E+00\\ .799500E+00\\ .814400E+00\\ .827800E+00\\ .843000E+00\\ .856700E+00\\ .843000E+00\\ .856700E+00\\ .843000E+00\\ .85700E+00\\ .866300E+00\\ .877500E+00\\ .887000E+00\\ .897200E+00\\ .897200E+00\\ .904900E+00\\ .904900E+00\\ \end{array}$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00 .94500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS	1] = .101320E-	ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .191000E-01 .316000E-01 .572000E-01 .723000E-01 .723000E-01 .155000E+00 .176500E+00 .193600E+00 .253700E+00 .351800E+00 .351800E+00 .351800E+00 .351800E+00 .432600E+00 .432600E+00 .435600E+00 .435600E+00 .513300E+00 .513300E+00 .575300E+00 .575300E+00 .575300E+00	$\begin{array}{c}337930E+03\\337000E+03\\ \hline \\37000E+03\\ \hline \\ \hline$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00 .94500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS	000000000000000000000000000000000000000	ORTJ0950.0
.645900E+00 .678500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	$\begin{array}{c} .337930E+03\\ .337000E+03\\ \hline \\ .337000E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .30600E+00\\ .358600E+00\\ .581700E+00\\ .624700E+00\\ .623800E+00\\ .581700E+00\\ .62800E+00\\ .755000E+00\\ .799500E+00\\ .814400E+00\\ .827800E+00\\ .843000E+00\\ .856700E+00\\ .843000E+00\\ .856700E+00\\ .843000E+00\\ .85700E+00\\ .866300E+00\\ .877500E+00\\ .887000E+00\\ .897200E+00\\ .897200E+00\\ .904900E+00\\ .904900E+00\\ \end{array}$	IPOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variab hyl ethanoate ethyl-1-propanol 320E+06 [X1] .708500E+00 .747300E+00 .845500E+00 .845500E+00 .871200E+00 .923700E+00 .923700E+00 .941500E+00 .94500E+00 .969600E+00 .980300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .938200E+00 .946900E+00 .966900E+00 .966900E+00 .978300E+00 .978300E+00 .983300E+00 .987000E+00 .993400E+00 .995700E+00	liquid phase vapor phase P [Y1] .50E+00	ND SOLUTIONS	1] = .101320E-	ORTJ0950.0

	ELDATA SARL Fran [EVLM0001] VA			MIXTURES	AND SOLUTIONS ORTJ0950.
State:		system, single-phas			
	Pure component				
	Pure component				
Parameters:	[P1] P/Pa,	Pressure			
Variables:	$[X1] x_1/-,$	Mole fraction of	f component 1 in l	iquid phase	
	[Y1] <i>T/</i> K,	Temperature	1	1	
Method:		ent of \hat{T} at variable	e_{x_1} and constant h	Р	
Components:	1. C4H8O2, Met				
components.	2. $C_4H_{10}O_2$, Met				
	[P1] = .101	320E+06		[Y1]	
[X1]	[Y1]	[X1]	[Y1]	.400E+03	
.000000E+00	.390230E+03	.586100E+00	.360900E+03		
.440000E-02	.389920E+03	.616500E+00	.360070E+03		
.182000E-01	.388560E+03	.648300E+00	.359350E+03		\circ [P1] = .101320E+06
.280000E-01	.387650E+03	.677900E+00	.358680E+03	.390E+03	
.513000E-01	.385670E+03	.709200E+00	.358010E+03	.3906+03	
.662000E-01	.384450E+03	.737900E+00	.357380E+03		ଞ୍
.799000E-01	.383380E+03	.771600E+00	.356690E+03		O C
.969000E-01	.381960E+03	.801200E+00	.356100E+03		
.126300E+00	.380120E+03	.837600E+00		.380E+03	- q -
.148000E+00	.378620E+03	.865600E+00	.355320E+03		o
.172500E+00	.376880E+03	.80300E+00	.354770E+03		, o,
.189800E+00	.375860E+03	.915000E+00	.354230E+03 .353800E+03		Yo.
.214600E+00	.374560E+03	.938500E+00	.353800E+03	.370E+03	۲ <u>۵</u>
.229700E+00	.373620E+03	.956000E+00	.352990E+03		- ~ ~]
.259800E+00	.372180E+03	.973800E+00	.352660E+03		°,
.284600E+00	.371090E+03	.987200E+00	.352410E+03		~o ₀
.309700E+00	.369900E+03	.100000E+01	.351770E+03	2005 1 02	°o _o n
.344000E+00	.368450E+03		.5517702105	.360E+03	
.373700E+00	.367350E+03				
.397200E+00	.366530E+03				00.00
.428300E+00	.365300E+03				DDr.
.454800E+00	.364430E+03			.350E+03	
401/007 - 01	0.00.0000.000	1 1			505+00
.481600E+00	.363650E+03				.502+00
.523500E+00	.362460E+03				οοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοοο
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.523500E+00 .554800E+00	.362460E+03 .361660E+03	nce. All rights reserv	ed.		[X]
.523500E+00 .554800E+00 Copyright© 1995 E	.362460E+03 .361660E+03 ELDATA SARL Fra	nce. All rights reserv POR-LIQUID E0	ed. QUILIBRIUM IN		
.523500E+00 .554800E+00 Copyright© 1995 F Property Code:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN		AND SOLUTIONS ORTJ0950.0
.523500E+00 .554800E+00 Copyright© 1995 F Property Code:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E system, single-pha	QUILIBRIUM IN		
.523500E+00 .554800E+00 Copyright© 1995 F Property Code:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID E system, single-phas 1, liquid 2, liquid	QUILIBRIUM IN		
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID E system, single-phas 1, liquid 2, liquid	QUILIBRIUM IN		
.523500E+00 .554800E+00 Copyright© 1995 E	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component	POR-LIQUID E0 system, single-phase 1, liquid 2, liquid Pressure Mole fraction o	QUILIBRIUM IN se liquid f component 1 in l	I MIXTURES A	
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_{1/-}$, [Y1] $y_{1/-}$,	POR-LIQUID E0 system, single-phase 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES A	
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters:	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \end{array}$	POR-LIQUID E0 system, single-phase 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES A	
.523500E+00 .554800E+00 Copyright@ 1995 F Property Code: State: Parameters: Variables: Method:	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \end{array}$	POR-LIQUID E0 system, single-phas 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variabl	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES A	
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2 , Met	POR-LIQUID E0 system, single-phas 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variabl hyl propanoate	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES A	
.523500E+00 .554800E+00 Copyright@ 1995 F Property Code: State: Parameters: Variables: Method:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variabl hyl propanoate utanol	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES A	
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variabl hyl propanoate utanol 320E+06	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in x_1 le x_1 and constant	I MIXTURES A	
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1]	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y_1 at variabl hyl propanoate utanol 320E+06 [X1]	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1]	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components:	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variabl hyl propanoate utanol 320E+06	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .833800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1]	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1]	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y_1 at variabl hyl propanoate utanol 320E+06 [X1]	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .833800E+00 .848600E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00	POR-LIQUID E0system, single-phane1, liquid2, liquidPressureMole fraction onMole fraction onent of y_1 at variablehyl propanoateutanol320E+06[X1].586100E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .833800E+00 .848600E+00 .861100E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .440000E-02	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID E0 system, single-phase 1, liquid 2, liquid Pressure Mole fraction of ent of y_1 at variable hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID E0 system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variabl hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .886200E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .200000000000000000000000000000000000$	POR-LIQUID E0 system, single-phase 1, liquid 2, liquid Pressure Mole fraction of ent of y_1 at variable hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01 .513000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID EC system, single-phase 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .709200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01 .513000E-01 .662000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID EC system, single-phase 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .886200E+00 .896800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01 .513000E-01 .799000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variabl hyl propanoate danol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .771600E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in V le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .934900E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01 .513000E-01 .799000E-01 .969000E-01	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variabl hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .771600E+00 .801200E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in V le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .945700E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .440000E-02 .182000E-01 .280000E-01 .513000E-01 .662000E-01 .799000E-01 .969000E-01 .126300E+00	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	POR-LIQUID E0 system, single-phas 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate utanol 320E+06 [X1] .586100E+00 .616500E+00 .616500E+00 .77900E+00 .771600E+00 .801200E+00 .837600E+00 .837600E+00 .845600E+00 .893100E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in V le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .886200E+00 .99800E+00 .909800E+00 .921400E+00 .934900E+00 .945700E+00 .956300E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .36160E+03\\ \hline \\ .36160E+03\\ .3616E+03\\ .3616E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36160E+00\\ .36100E+00\\ .36100E+$	Image: system single	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .999800E+00 .909800E+00 .921400E+00 .934900E+00 .945700E+00 .965500E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline$	Image: system single	QUILIBRIUM IN se liquid f component 1 in I f component 1 in V le x ₁ and constant [Y1] .833800E+00 .848600E+00 .861100E+00 .873200E+00 .886200E+00 .99800E+00 .909800E+00 .921400E+00 .934900E+00 .945700E+00 .956300E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .362460E+03\\ .361660E+03\\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ .361660E+03\\ \hline \\ \hline \\ \hline \\ .36160E+03\\ \hline \\ \hline \\ \hline \\ .1000000E+00\\ .199000E+00\\ .199000E+00\\ .199000E+00\\ .199000E+00\\ .38800E+00\\ .323100E+00\\ .323100E+00\\ .323100E+00\\ .38800E+00\\ .346700E+00\\ .510400E+00\\ .547800E+00\\ .507800E+00\\ .567800E+00\\ .567800E+00\\ \hline \end{array}$	Image: system single	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .945700E+00 .945700E+00 .956300E+00 .956300E+00 .974600E+00 .981800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [Y1] y ₁ /-, Direct measurem [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .238200E+00 .323100E+00 .436700E+00 .547800E+00 .567800E+00 .604800E+00	Image: system single	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .873200E+00 .896800E+00 .999800E+00 .921400E+00 .934900E+00 .945700E+00 .965500E+00 .974600E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [Y1] .000000E+00 .192000E+00 .278000E+00 .278000E+00 .323100E+00 .510400E+00 .54800E+00 .567800E+00 .604800E+00 .633700E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .238200E+00 .323100E+00 .388800E+00 .436700E+00 .567800E+00 .604800E+00 .604800E+00 .633700E+00 .633700E+00 .633700E+00 .658900E+00	Image: system single	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .924900E+00 .945700E+00 .956300E+00 .956300E+00 .981800E+00 .989300E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .278000E+00 .323100E+00 .388800E+00 .46700E+00 .567800E+00 .604800E+00 .633700E+00 .638200E+00 .688200E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Ba [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .238200E+00 .323100E+00 .480200E+00 .510400E+00 .547800E+00 .604800E+00 .633700E+00 .638200E+00 .60480E+00 .60480E+00 .638200E+00 .688200E+00 .688200E+00 .712820E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H802, Met 2. C4H100, 1-Bat [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .238200E+00 .323100E+00 .388800E+00 .507800E+00 .507800E+00 .64800E+00 .658900E+00 .658900E+00 .658900E+00 .658900E+00 .658900E+00 .6688200E+00 .730400E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bat [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .323100E+00 .323100E+00 .323100E+00 .567800E+00 .567800E+00 .633700E+00 .633700E+00 .638200E+00 .730400E+00 .730400E+00 .730400E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .323100E+00 .323100E+00 .323100E+00 .567800E+00 .567800E+00 .604800E+00 .633700E+00 .638200E+00 .730400E+00 .73100E+00 .753100E+00 .768000E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Variables: Va	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4HgO2, Met 2. C4H100, 1-Bu [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .238200E+00 .238200E+00 .323100E+00 .388800E+00 .46700E+00 .567800E+00 .567800E+00 .604800E+00 .633700E+00 .68200E+00 .730400E+00 .73100E+00 .73300E+00 .73300E+00 .73300E+00 .73300E+00 .73300E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0
.523500E+00 .554800E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	.362460E+03 .361660E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 1-Bu [P1] = .101 [Y1] .000000E+00 .199000E-01 .787000E-01 .116800E+00 .323100E+00 .323100E+00 .323100E+00 .567800E+00 .567800E+00 .604800E+00 .633700E+00 .638200E+00 .730400E+00 .73100E+00 .753100E+00 .768000E+00	Image: system single phase 1, liquid 2, liquid Pressure Mole fraction o mole fraction o ent of y_1 at variable hyl propanoate atanol 320E+06 [X1] .586100E+00 .616500E+00 .648300E+00 .677900E+00 .737900E+00 .737900E+00 .801200E+00 .837600E+00 .855600E+00 .93500E+00 .938500E+00 .938500E+00 .973800E+00 .987200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .833800E+00 .848600E+00 .848600E+00 .861100E+00 .873200E+00 .896800E+00 .909800E+00 .921400E+00 .921400E+00 .945700E+00 .945700E+00 .945700E+00 .945700E+00 .956300E+00 .981800E+00 .989300E+00 .994800E+00	I MIXTURES A	AND SOLUTIONS ORTJ0950.0 ORTJ0950.0 ORTJ0950.0 ORTJ0950.0

	[EVLM0001] VA	POR-LIQUID EC	QUILIBRIUM IN	MIXTURES AND SOLUTIONS	ORTJ0950.00
State:	Two-component s	system, single-phas	se liquid		
	Pure component				
Demonsterre	Pure component ? [P1] <i>P</i> /Pa,	2, liquid Pressure			
Parameters: Variables:	$[X1] x_{1/-},$		f component 1 in l	iquid phase	
4 of 100,102	[Y1] T/K,	Temperature	. component i mi	Hare hume	
Method:		ent of T at variable	ex_1 and constant b		
Components:	1. C4H8O2, Met	hyl propanoate	•	~	
	2. C ₄ H ₁₀ O, 2-B			Contraction of the second s	
63 64 3	[P1] = .101			[Y1]	
[X1]	[Y1]	[X1]	[Y1]	.380E+03	
.000000E+00	.372360E+03	.762900E+00	.354570E+03		
.397000E-01 .644000E-01	.370680E+03 .369800E+03	.819900E+00 .835500E+00	.353870E+03	o [P	1] = .101320E + 06
.910000E-01	.368840E+03	.85300E+00	.353680E+03 .353520E+03		,
.151100E+00	.366980E+03	.893000E+00	.353060E+03		
.169300E+00	.366390E+03	.925200E+00	.352860E+03	Þ.	
.196000E+00	.365450E+03	.946400E+00	.352660E+03	.370E+03	
.243500E+00		.100000E+01	.351770E+03	.370E+03	1
.265600E+00	.363700E+03			×	
.279900E+00	.363270E+03			<u> </u>	
.294000E+00	.362860E+03			Q.,	
.313800E+00	.362340E+03			<u>д</u>	
.333400E+00					
.353800E+00				.360E+03	
.375400E+00	.360920E+03				
.397800E+00	.360430E+03			· · · · ·	
.420900E+00				т. С	^{0.} 0.
.446900E+00					°0.
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.690100E+00	.355690E+03	1		.501100	[X1]
.717200E+00 Copyright© 1995 F Property Code:	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN	MIXTURES AND SOLUTIONS	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables:	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1	MIXTURES AND SOLUTIONS iquid phase apor phase	[X1]
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.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components:	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H ₈ O ₂ , Met 2. C4H ₁₀ O, 2-Bu [P1] = .101	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o tent of y ₁ at variab hyl propanoate utanol 320E+06	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant	MIXTURES AND SOLUTIONS iquid phase apor phase	[X1]
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1]	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₈ O ₂ , Met 2. C ₄ H ₁₀ O, 2-Bu [P1] = .101 [Y1]	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o tent of y ₁ at variab hyl propanoate utanol 320E+06 [X1]	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1]	MIXTURES AND SOLUTIONS iquid phase apor phase	[X1]
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.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₈ O ₂ , Met 2. C ₄ H ₁₀ O, 2-Bu [P1] = .101 [Y1]	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o tent of y ₁ at variab hyl propanoate utanol 320E+06 [X1] .762900E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .824200E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .941000E-01	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .824200E+00 .866000E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .295100E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.835500E+00.853000E+00.893000E+00.893000E+00	QUILIBRIUM IN ise liquid of component 1 in 1 if component 1 in 1 if component 1 in 1 le x_1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .887300E+00 .915800E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .295100E+00 .323300E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00	QUILIBRIUM IN ise liquid of component 1 in 1 if component 1	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .196000E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .363800E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .196000E+00 .243500E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Bu [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .363800E+00 .425900E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00	QUILIBRIUM IN ise liquid of component 1 in 1 if component 1	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .196000E+00 .243500E+00 .265600E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .363800E+00 .425900E+00 .450400E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .196000E+00 .243500E+00 .243500E+00 .279900E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .363800E+00 .45900E+00 .465900E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .196000E+00 .243500E+00 .279900E+00 .294000E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Bu [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .323300E+00 .323300E+00 .425900E+00 .45900E+00 .45900E+00 .481300E+00 .481300E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .279900E+00 .294000E+00 .313800E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₈ O ₂ , Met 2. C ₄ H ₁₀ O, 2-Bu [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .323300E+00 .323300E+00 .363800E+00 .45900E+00 .45900E+00 .45900E+00 .45900E+00 .45900E+00 .45900E+00 .502400E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .196000E+00 .243500E+00 .279900E+00 .294000E+00 .333400E+00 .333400E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₈ O ₂ , Met 2. C ₄ H ₁₀ O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .323300E+00 .323300E+00 .363800E+00 .455900E+00 .455900E+00 .45900E+00 .523100E+00 .523100E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .243500E+00 .294000E+00 .333400E+00 .333400E+00 .353800E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .45900E+00 .45900E+00 .465900E+00 .502400E+00 .523100E+00 .523100E+00 .52400E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .243500E+00 .333400E+00 .333400E+00 .333400E+00 .375400E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C4H8O ₂ , Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .323300E+00 .323300E+00 .363800E+00 .425900E+00 .425900E+00 .45900E+00 .502400E+00 .502400E+00 .502400E+00 .501500E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .255600E+00 .333400E+00 .333400E+00 .333400E+00 .353800E+00 .375400E+00 .397800E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .295100E+00 .323300E+00 .363800E+00 .425900E+00 .431300E+00 .502400E+00 .502400E+00 .542400E+00 .561500E+00 .580300E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .255600E+00 .333400E+00 .333400E+00 .353800E+00 .375400E+00 .375400E+00 .3978800E+00 .3978800E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₈ O ₂ , Met 2. C ₄ H ₁₀ O, 2-Bi [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .323300E+00 .323300E+00 .363800E+00 .45900E+00 .523100E+00 .523100E+00 .523100E+00 .523100E+00 .523100E+00 .523100E+00 .523100E+00 .52300E+00 .52300E+00 .52300E+00 .52300E+00 .52300E+00 .52000E+00 .52000E+00 .52000E+00 .52000E+00 .52000E+00 .52000E+00 .52000E+00 .50300E+00 .509200E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .256600E+00 .333400E+00 .333400E+00 .353800E+00 .353800E+00 .3575400E+00 .397800E+00 .397800E+00 .446900E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95100E+00 .323300E+00 .363800E+00 .45900E+00 .45900E+00 .523100E+00 .523100E+00 .523100E+00 .523100E+00 .542400E+00 .561500E+00 .580300E+0	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .256600E+00 .333400E+00 .333400E+00 .353800E+00 .3575400E+00 .397800E+00 .446900E+00 .446900E+00 .479800E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95100E+00 .323300E+00 .363800E+00 .45900E+00 .45900E+00 .502400E+00 .502400E+00 .502400E+00 .561500E+00 .580300E+00 .599200E+00 .599200E+00 .644600E+00 .644600E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .256600E+00 .333400E+00 .333400E+00 .333800E+00 .353800E+00 .397800E+00 .397800E+00 .397800E+00 .446900E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H ₈ O ₂ , Met 2. C4H ₁₀ O, 2-B [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95300E+00 .323300E+00 .363800E+00 .459400E+00 .459400E+00 .502400E+00 .502400E+00 .502400E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .599200E+00 .644600E+00 .646600E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .243500E+00 .333400E+00 .333400E+00 .335800E+00 .353800E+00 .357800E+00 .446900E+00 .420900E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .4000E+00 .40000E+00 .40000E+00 .40000E+00 .40000E+00 .4000E+0	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-B [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95100E+00 .323300E+00 .363800E+00 .45900E+00 .45900E+00 .502400E+00 .502400E+00 .502400E+00 .561500E+00 .580300E+00 .599200E+00 .599200E+00 .644600E+00 .644600E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	MIXTURES AND SOLUTIONS iquid phase yapor phase P	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .256600E+00 .333400E+00 .333400E+00 .333400E+00 .353800E+00 .375400E+00 .375400E+00 .397800E+00 .420900E+00 .420900E+00 .420900E+00 .420900E+00 .420900E+00 .513700E+00 .560500E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95300E+00 .323300E+00 .363800E+00 .459400E+00 .459400E+00 .502400E+00 .502400E+00 .502400E+00 .502400E+00 .502400E+00 .503100E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .50300E+00 .502400E+00 .666600E+00 .702500E+00	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	Image: Mixtures and solutions iquid phase /apor phase P [Y1]	[X1] ORTJ0950.01
.717200E+00 Copyright© 1995 F Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .397000E-01 .644000E-01 .910000E-01 .151100E+00 .169300E+00 .243500E+00 .243500E+00 .233800E+00 .333400E+00 .333400E+00 .353800E+00 .353800E+00 .375400E+00 .375400E+00 .375400E+00 .375400E+00 .375400E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00 .560500E+00	.355120E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-Ba [P1] = .101 [Y1] .000000E+00 .941000E-01 .144300E+00 .95300E+00 .323300E+00 .323300E+00 .45900E+00 .45900E+00 .45900E+00 .502400E+00 .502400E+00 .502400E+00 .502400E+00 .502400E+00 .502400E+00 .542400E+00 .542400E+00 .542600E+00 .548700E+0	APOR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction oMole fraction otent of y_1 at variabhyl propanoateutanol1320E+06[X1].762900E+00.819900E+00.85500E+00.853000E+00.893000E+00.925200E+00.946400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 lex1 and constant [Y1] .824200E+00 .866000E+00 .876300E+00 .915800E+00 .939700E+00 .956100E+00	Image: Mixtures and solutions iquid phase apor phase P [Y1] .50E+00 .50E+00 .50E+00 .50E+00 .50E+00 .50E+00 .50E+00 .50E+00 .50E+00 .50E+01 .50E+02 .50E+03 .50E+04 .50E+05 .50E+05 .50E+05 .50E+06 .50E+07 .50E+08 .50E+09 .50E+00 .50E+01 .50E+02 .50E+03 .50E+04 .50E+05 .50E+05 .50E+06 .50E+07 .50E+08 .50E+09 .50E+09 .50E+00 .5	[X1] ORTJ0950.01

Property Code:	ELDATA SARL Fran [EVLM0001] VA	POR-LIQUID EC	UILIBRIUM IN	MIXTURES	AND SOLUTIONS	ORTJ0950.0
State:	Two-component s	system, single-phas	e liquid			
	Pure component 1	Í, liquid	•			
	Pure component 2	2, liquid				
Parameters:	[P1] <i>P</i> /Pa,	Pressure				
Variables:	[X1] <i>x</i> ₁ /-,		component 1 in l	liquid phase		
	[Y1] <i>T/</i> K,	Temperature		-		
Method:	Direct measurem	ent of T at variable	x_1 and constant x_1	P		
Components:	1. C4H8O2, Met	hyl propanoate				
-	2. C ₄ H ₁₀ O, 2-M	ethyl-1-propanol				
	[P1] = .101	320E+06		[Y1]		
[X1]	[Y1]	[X1]	[Y1]	.390E+03		
		and the second se	to a management of the second s	.390E+03	[]	
.000000E+00	.380390E+03	.607300E+00	.358410E+03			
.214000E-01	.378710E+03	.635700E+00	.357910E+03		0 [P1]	= .101320E + 06
.362000E-01 .534000E-01	.377830E+03 .376870E+03	.664200E+00 .694700E+00	.357420E+03		- [· -]	
.69000E-01		.719100E+00	.356830E+03			
.840000E-01		.756000E+00	.356410E+03 .355760E+03	.380E+03		-
.997000E-01		.787700E+00	.355230E+03		0	
.115500E+00		.821000E+00	.354770E+03		8	
.134700E+00		.854300E+00	.354170E+03		202	
.153500E+00		.886000E+00	.353760E+03		00	
.173600E+00	.371080E+03	.912500E+00	.353380E+03	.370E+03	- %	-
.193500E+00		.940900E+00	.352920E+03		<i>o</i> ,	
.217400E+00		.968900E+00	.352460E+03		°.	
.236200E+00		.984400E+00	.352200E+03		- aa	
.279400E+00		.100000E+01	.351770E+03		°°0	
.308900E+00				.360E+03	- 00°	-
.338600E+00 .367300E+00					0000	2
.395500E+00						0000
.423900E+00						00000
.453200E+00						0000
.482700E+00				.350E+03		
.507500E+00					.50E+00	
.507500E+00 .542700E+00	.360510E+03 .359720E+03					[X1
.507500E+00	.360510E+03 .359720E+03				.50E+00	[X1
.507500E+00 .542700E+00 .575700E+00	.360510E+03 .359720E+03 .359030E+03	nce. All rights reserve	ed.		.50E+00	[X1
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 F	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra	nce. All rights reserve	ed. DUILIBRIUM IN			(
.507500E+00 .542700E+00 .575700E+00	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID EC	QUILIBRIUM IN		.50E+00	[X1] ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 F Property Code:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID EC system, single-phas	QUILIBRIUM IN			(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 F Property Code:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID EC system, single-phas 1, liquid 2, liquid	QUILIBRIUM IN			(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 F Property Code: State: Parameters:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa,	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure	QUILIBRIUM IN se liquid	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-,	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of	QUILIBRIUM IN se liquid f component 1 in l	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-,	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem	POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variabl	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C₄H₈O₂ , Met	 POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y₁ at variable hyl propanoate 	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem	 POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y₁ at variable hyl propanoate 	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C₄H₈O₂ , Met	 POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y₁ at variable hyl propanoate ethyl-1-propanol 	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components:	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O ₂ , Met 2. C4H10O, 2-M [P1] = .101	 POR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y₁ at variable hyl propanoate ethyl-1-propanol 320E+06 	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 e x ₁ and constant	I MIXTURES		(
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method: Components: [X1]	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H8O2 , Met 2. C4H10O , 2-M [P1] = .101 [Y1]	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variable hyl propanoate ethyl-1-propanol 320E+06 [X1]	QUILIBRIUM IN se liquid f component 1 in I f component 1 in x_1 e x_1 and constant [Y1]	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	.360510E+03 .359720E+03 .359730E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H8O2 , Met 2. C4H10O , 2-M [P1] = .101 [Y1] .000000E+00	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v $e x_1$ and constant [Y1] .804300E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01	.360510E+03 .359720E+03 .359730E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H8O2 , Met 2. C4H10O , 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01	APOR-LIQUID ECsystem, single-phas1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variablehyl propanoateethyl-1-propanol320E+06[X1].607300E+00.635700E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v $e x_1$ and constant [Y1] .804300E+00 .819200E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \textbf{ELDATA SARL Fra}\\ \hline \\ \textbf{[EVLM0002] VA}\\ \hline \\ \textbf{Two-component}\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \textbf{[X1] x1/-,}\\ \hline \\ \textbf{[Y1] y1/-,}\\ \hline \\ \textbf{Direct measurem}\\ \textbf{1. C4H8O2, Met}\\ \textbf{2. C4H10O, 2-M}\\ \hline \\ \hline \\ \textbf{[P1] = .101}\\ \hline \\ \hline \\ \textbf{[Y1]}\\ .000000E+00\\ .884000E-01\\ .127900E+00\\ \end{array}$	APOR-LIQUID ECsystem, single-phas1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variablehyl propanoateethyl-1-propanol320E+06[X1].607300E+00.635700E+00.664200E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v $e.x_1$ and constant [Y1] .804300E+00 .819200E+00 .835000E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01	.360510E+03 .359720E+03 .359730E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C4H8O2 , Met 2. C4H10O , 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .172000E+00	APOR-LIQUID ECsystem, single-phas1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variablehyl propanoateethyl-1-propanol320E+06[X1].607300E+00.635700E+00.664200E+00.694700E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v e. x_1 and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01	.360510E+03 .359720E+03 .359730E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .172000E+00 .208100E+00	POR-LIQUID ECsystem, single-phas1, liquid2, liquidPressureMole fraction ofmole fraction ofetn of y_1 at variablehyl propanoateethyl-1-propanol320E+06[X1].607300E+00.635700E+00.664200E+00.694700E+00.719100E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in v $e.x_1$ and constant [Y1] .804300E+00 .819200E+00 .835000E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .840000E-01	.360510E+03 .359720E+03 .359030E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .172000E+00 .208100E+00 .243400E+00	APOR-LIQUID EC system, single-phas1, liquid2, liquidPressureMole fraction ofmole fraction ofent of y_1 at variable hyl propanoateethyl-1-propanol 320E+06[X1].607300E+00.635700E+00.664200E+00.694700E+00.719100E+00.756000E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in y e x_1 and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .860700E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .840000E-01 .997000E-01	.360510E+03 .359720E+03 .359730E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .172000E+00 .208100E+00 .243400E+00 .275500E+00	APOR-LIQUID EC system, single-phas1, liquid2, liquidPressureMole fraction ofmole fraction ofent of y_1 at variable hyl propanoateethyl-1-propanol 320E+06[X1].607300E+00.635700E+00.664200E+00.694700E+00.719100E+00.756000E+00.787700E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in y e x_1 and constant [Y1] .804300E+00 .819200E+00 .850100E+00 .850100E+00 .860700E+00 .990400E+00 .896000E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 <u>Copyright© 1995 I</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .840000E-01	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \textbf{ELDATA SARL Fra}\\ \hline \\ \textbf{EVLM0002} VA\\ \hline \\ \textbf{Two-component}\\ Pure component\\ Pure component\\ Pure component\\ \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \\ \textbf{Two-component}\\ \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \hline \hline \hline \\ \textbf{Two-component}\\ \hline \\ \textbf{Two-component}\\ \hline \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .694700E+00 .719100E+00 .756000E+00 .787700E+00 .821000E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in y e x_1 and constant [Y1] .804300E+00 .819200E+00 .850100E+00 .850100E+00 .860700E+00 .990400E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .6990000E-01 .840000E-01 .997000E-01 .115500E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \hline \\ \textbf{ELDATA SARL Fra}\\ \hline \\ \textbf{EVLM0002} VA\\ \hline \\ \textbf{Two-component}\\ Pure component\\ Pure component\\ Pure component\\ \hline \hline \\ \textbf{Two-component}\\ \hline \hline \\ \textbf{F1} P/Pa,\\ \hline \ \textbf{[X1] x1/-,}\\ \hline \hline \ \textbf{[Y1] y1/-,}\\ \hline \hline \\ \textbf{Direct measurem}\\ \hline \textbf{1. C4H8O2, Met}\\ \textbf{2. C4H10O, 2-M}\\ \hline \hline \hline \\ \textbf{[P1] = .101}\\ \hline \hline \hline \ \textbf{[Y1]}\\ \hline \hline \\ .000000E+00\\ .84000E-01\\ .127900E+00\\ .208100E+00\\ .243400E+00\\ .309000E+00\\ .309000E+00\\ .344900E+00\\ \hline \end{array}$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .694700E+00 .719100E+00 .787700E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in y e x_1 and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .860700E+00 .8990400E+00 .991400E+00 .912500E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .690000E-01 .840000E-01 .997000E-01 .115500E+00 .134700E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \textbf{ELDATA SARL Fra}\\ \hline \\ \textbf{EVLM0002} VA\\ \hline \\ \textbf{Two-component}\\ Pure component\\ Pure component\\ Pure component\\ \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \\ \textbf{Two-component}\\ \hline \hline \\ \textbf{Two-component}\\ \hline \hline \hline \hline \hline \hline \\ \textbf{Two-component}\\ \hline \\ \textbf{Two-component}\\ \hline \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .664200E+00 .719100E+00 .756000E+00 .787700E+00 .821000E+00 .854300E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in 1 e x ₁ and constant [Y1] .804300E+00 .819200E+00 .8350100E+00 .850100E+00 .850100E+00 .990400E+00 .990400E+00 .929100E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .690000E-01 .840000E-01 .840000E-01 .115500E+00 .134700E+00 .153500E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .719100E+00 .756000E+00 .787700E+00 .821000E+00 .854300E+00 .886000E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .850100E+00 .850100E+00 .990400E+00 .912500E+00 .929100E+00 .929100E+00 .944600E+00 .972000E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .34000E-01 .534000E-01 .115500E+00 .134700E+00 .153500E+00 .173600E+00 .193500E+00 .217400E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ Pure component\\ [Y1] y/-,\\ \hline \\ Direct measurem\\ \hline \\ 1. C_4H_8O_2, Met\\ \hline \\ 2. C_4H_{10}O, 2-M\\ \hline \\ \hline \\ [P1] = .101\\ \hline \\ .2. C_4H_{10}O, 2-M\\ \hline \\ .2. C_{10}O, 2-M\\ \hline \\ .2. C_{$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .664200E+00 .756000E+00 .756000E+00 .821000E+00 .854300E+00 .854300E+00 .912500E+00 .940900E+00 .940900E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .929100E+00 .929100E+00 .928100E+00 .972000E+00 .985300E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 H Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .34000E-01 .34000E-01 .997000E-01 .115500E+00 .134700E+00 .153500E+00 .173600E+00 .173600E+00 .227400E+00 .236200E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ Pure component\\ Pure component\\ \hline \\ Pure component\\ Pure component\\ \hline \\ Pure component\\ Pure component\\ Pure component\\ \hline \\ Pure com$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .34000E-01 .34000E-01 .99700E-01 .115500E+00 .134700E+00 .173600E+00 .173600E+00 .217400E+00 .236200E+00 .279400E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ [P1] P/Pa,\\ \hline \\ [X1] x_1/-,\\ \hline \\ [Y1] y_1/-,\\ \hline \\ Direct measurem\\ \hline \\ 1. C_4H_8O_2, Met\\ \hline \\ 2. C_4H_10O, 2-M\\ \hline \\ \hline \\ [P1] = .101\\ \hline \\ \hline \\ .000000E+00\\ .384000E-01\\ .127900E+00\\ .208100E+00\\ .208100E+00\\ .344900E+00\\ .377000E+00\\ .41200E+00\\ .41200E+00\\ .41200E+00\\ .475000E+00\\ .499900E+00\\ .557000E+00\\ \hline \end{array}$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .664200E+00 .756000E+00 .756000E+00 .821000E+00 .854300E+00 .854300E+00 .912500E+00 .940900E+00 .940900E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .929100E+00 .929100E+00 .928100E+00 .972000E+00 .985300E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .340000E-01 .997000E-01 .15500E+00 .134700E+00 .153500E+00 .217400E+00 .236200E+00 .279400E+00 .279400E+00 .308900E+00	.360510E + 03 .359720E + 03 .359720E + 03 .359030E + 03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .72000E+00 .208100E+00 .275500E+00 .309000E+00 .344900E+00 .377000E+00 .41200E+00 .475000E+00 .557000E+00 .557000E+00 .589000E+00	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .340000E-01 .340000E-01 .340000E-01 .340000E-01 .340000E-01 .35300E+00 .13500E+00 .173600E+00 .217400E+00 .236200E+00 .236200E+00 .338600E+00 .338600E+00	.360510E + 03 .359720E + 03 .359720E + 03 .359720E + 03 .359030E + 03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H802, Met 2. C4H100, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .208100E+00 .208100E+00 .243400E+00 .309000E+00 .344900E+00 .41200E+00 .475000E+00 .499900E+00 .557000E+00 .589000E+00 .589000E+00 .617700E+00	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .34000E-01 .34000E-01 .34000E-01 .34700E+00 .134700E+00 .134700E+00 .134700E+00 .217400E+00 .236200E+00 .279400E+00 .338600E+00 .338600E+00 .338600E+00 .338600E+00 .338600E+00	.360510E + 03 .359720E + 03 .359720E + 03 .359030E + 03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component Pure component Pure component Pure component [Y1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H8O2, Met 2. C4H10O, 2-M [P1] = .101 [Y1] .000000E+00 .884000E-01 .127900E+00 .208100E+00 .208100E+00 .275500E+00 .309000E+00 .344900E+00 .377000E+00 .41200E+00 .475000E+00 .557000E+00 .589000E+00 .589000E+00 .645300E+00	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .362000E-01 .34000E-01 .997000E-01 .115500E+00 .134700E+00 .134700E+00 .134700E+00 .236200E+00 .236200E+00 .238600E+00 .338600E+00 .338600E+00 .338600E+00 .338500E+00 .395500E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure componentPure component[P1] P/Pa,[X1] x1/-,[Y1] y1/-,Direct measurem1. C4H8O2, Met2. C4H10O, 2-Met2. C4H10O, 2-Met[P1] = .101[Y1].000000E+00.884000E-01.127900E+00.208100E+00.208100E+00.208100E+00.309000E+00.344900E+00.377000E+00.344900E+00.377000E+00.410000E+00.475000E+00.557000E+00.557000E+00.557000E+00.557000E+00.666400E+00$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .534000E-01 .534000E-01 .690000E-01 .115500E+00 .134700E+00 .134700E+00 .134700E+00 .134700E+00 .217400E+00 .338600E+00 .338600E+00 .338600E+00 .338500E+00 .338500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ $	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Variables: Variables: Variables: (X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .534000E-01 .690000E-01 .840000E-01 .115500E+00 .134700E+00 .135500E+00 .135500E+00 .217400E+00 .236200E+00 .338600E+00 .338600E+00 .395500E+00 .395500E+00 .423900E+00 .453200E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ .359030E+03\\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure component\\ Pure component\\ Pure component\\ \hline \\ $	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .362000E-01 .362000E-01 .362000E-01 .340000E-01 .340000E-01 .115500E+00 .134700E+00 .135500E+00 .173600E+00 .236200E+00 .236200E+00 .338600E+00 .338600E+00 .338600E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .423900E+00 .453200E+00 .453200E+00 .482700E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS AND SOLUTIONS $(1 - 1)^{-1} = (1 -$	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .214000E-01 .534000E-01 .534000E-01 .690000E-01 .840000E-01 .15500E+00 .134700E+00 .134700E+00 .135500E+00 .279400E+00 .338600E+00 .338600E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .395500E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00 .423900E+00	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS	ORTJ0950.0
.507500E+00 .542700E+00 .575700E+00 Copyright© 1995 I Property Code: State: Variables: V	$\begin{array}{c} .360510E+03\\ .359720E+03\\ .359730E+03\\ \hline \\ \hline$	APOR-LIQUID EC system, single-phas 1, liquid 2, liquid Pressure Mole fraction of mole fraction of ent of y_1 at variable hyl propanoate ethyl-1-propanol 320E+06 [X1] .607300E+00 .635700E+00 .64200E+00 .756000E+00 .756000E+00 .886000E+00 .886000E+00 .912500E+00 .940900E+00 .94400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in 1 f component 1 in v e.x ₁ and constant [Y1] .804300E+00 .819200E+00 .835000E+00 .850100E+00 .990400E+00 .929100E+00 .929100E+00 .928100E+00 .958100E+00 .972000E+00 .992600E+00	I MIXTURES liquid phase vapor phase P	AND SOLUTIONS AND SOLUTIONS $(1 - 1)^{-1} = (1 -$	ORTJ0950.0

Copyright© 1995 E Property Code:	[EVLM0001] VA	I OK-LIQUID L				.013
State:	Two-component:	system, single-pha				
	Pure component	1, liquid				
	Pure component					
Parameters:	[P1] <i>P</i> /Pa,	Pressure	c			
Variables:	[X1] $x_{1/-}$,		of component 1 in l	liquid phase		
Method:	[Y1] T/K, Direct measurem	Temperature ent of T at variable	e_{x_1} and constant b_1	D		
Components:	1. C ₄ H ₁₀ O, 1-B				-	
Components.	2. $C_5H_{10}O_2$, Me					
	[P1] = .101	320E+06		[Y1]		
[X1]	[Y1]	[X1]	[Y1]	.400E+03		
.000000E+00	.375150E+03	.931600E+00	.387930E+03			
.206000E-01	.375180E+03	.952100E+00	.388500E+03			
.635000E-01	.375390E+03	.968900E+00	.389120E+03		\circ [P1] = .101320E+06	
.913000E-01	.375420E+03	.987400E+00	.389550E+03			
.125800E+00	.375640E+03	.100000E+01	.390230E+03			
.173200E+00	.375890E+03					
.221000E+00	.376160E+03			.390E+03	.0.0 ^{.0} 0 ⁰ .0 ⁰ 0 ⁰ .00 ⁰ .0 ⁰ .0 ⁰	
.263500E+00 .302800E+00	.376540E+03				0	
.364600E+00	.376870E+03 .377560E+03				.0	
.434300E+00					, co	
.471500E+00	.378920E+03				o ^o .	
.511800E+00	.379240E+03				o ⁰	
.542200E+00	.379740E+03			2005.02	~ ^{0.~}	
.591400E+00	.380450E+03			.380E+03		
.613000E+00	.380800E+03				00	
.639800E+00	.381280E+03				~.O [.] 0	
.683100E+00	.382110E+03			0.000	.0.~	
.729800E+00						
.751300E+00	.383080E+03					
.768700E+00	.383480E+03			.370E+03		
	1 7070000 107					
.788800E+00				.3706+03	50E+00	
.788800E+00 .836700E+00	.385190E+03			.370£+03	.50E+00	×11
.788800E+00 .836700E+00 .855600E+00	.385190E+03 .385710E+03			.370E+03		X1]
.788800E+00 .836700E+00 .855600E+00 .898500E+00	.385190E+03 .385710E+03 .386770E+03	nce. All rights resea	red	.370E+03		X1]
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E	.385190E+03 .385710E+03 .386770E+03 ELDATA SARL Fra	nce. All rights reserve			[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code:	.385190E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN	MIXTURES AND S	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code:	.385190E+03 .385710E+03 .385770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component	POR-LIQUID E system, single-pha	QUILIBRIUM IN		[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code:	.385190E+03 .385710E+03 .385710E+03 <u>386770E+03</u> <u>ELDATA SARL Fra</u> [EVLM0002] VA Two-component Pure component	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN		[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E	.385190E+03 .385710E+03 .385770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN		[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction c	QUILIBRIUM IN se liquid of component 1 in 1	I MIXTURES AND S	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables:	.385190E+03 .385710E+03 .385710E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variab	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H10O, 1-B	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variab	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C4H10O, 1-Bi 2. C5H10O2, Me	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variab utanol ethyl butanoate	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H10O, 1-Bu 2. C5H10O2, Me [P1] = .101	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of ent of y ₁ at variab utanol sthyl butanoate 320E+06	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in x_1 le x_1 and constant	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1]	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H10O, 1-Bi 2. C5H10O2, Me [P1] = .101 [Y1]	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of ent of y ₁ at variab utanol ethyl butanoate 320E+06 [X1]	QUILIBRIUM IN the liquid of component 1 in 1 of component 1 in x_1 the x_1 and constant [Y1]	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H10O, 1-Bi 2. C5H10O2, Me [P1] = .101 [Y1] .000000E+00	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of ent of y ₁ at variab utanol ethyl butanoate 320E+06 [X1] .931600E+00	QUILIBRIUM IN ase liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00	I MIXTURES AND S liquid phase vapor phase	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .206000E-01	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] <i>P</i> /Pa, [X1] <i>x</i> ₁ /-, [Y1] <i>y</i> ₁ /-, Direct measurem 1. C4H10O, 1-Bu 2. C5H10O2, Me [P1] = .101 [Y1] .000000E+00 .166000E-01	APOR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00	QUILIBRIUM IN ase liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00	I MIXTURES AND S liquid phase vapor phase <i>P</i>	[2	
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .206000E-01 .635000E-01	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \end{array}$	POR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \end{array}$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ \hline$	POR-LIQUID E system, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .173200E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .386770E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ \hline \\ Two-component\\ Pure component\\ Pur$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .173200E+00 .221000E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .1000002] VA\\ \hline \\ Two-component\\ \hline \\ Pure component\\ \hline \\ .1000002] VA\\ \hline \\ .10000002] VA\\ \hline \\ .1000002] VA\\ \hline \\ .10000002] VA\\ \hline \\ .100000002] VA\\ \hline \\ .100000002] VA\\ \hline \\ .100000002] VA\\ \hline \\ .100000002] VA\\ \hline \\ .1000000002] VA\\ \hline \\ .100000000000000000000000000000000000$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variable	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .386770E+03\\ \hline \\ \hline \\ ELDATA SARL Fra\\ \hline \\ [EVLM0002] VA\\ Two-component\\ Pure component\\ Pure co$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .173200E+00 .221000E+00 .263500E+00 .302800E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .58571002] VA\\ Two-component \\ \hline \\ Pure component \\ \hline \\ . Two-component \\ Pure component \\ Pure $	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Variables: Variables: (X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .221000E+00 .263500E+00 .302800E+00 .364600E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .386770E+03\\ \hline \\ \hline \\ .386770E+03\\ \hline \\ .386770E+03\\ \hline \\ .386770E+03\\ \hline \\ .1000002] VA\\ \hline \\ Two-component\\ \hline \\ Pure component\\ \hline \hline \\ Pure c$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Variable:	.385190E+03 .385710E+03 .385710E+03 .386770E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C4H10O, 1-Bt 2. C5H10O ₂ , Met [P1] = .101 [Y1] .000000E+00 .166000E-01 .537000E-01 .100600E+00 .143600E+00 .143600E+00 .209700E+00 .238500E+00 .337900E+00 .337900E+00	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 <u>Copyright© 1995 E</u> Property Code: State: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .125800E+00 .173200E+00 .263500E+00 .302800E+00 .364600E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ \hline \\ .386770E+03\\ \hline \\ \hline \\ .386770E+03\\ \hline \\ .386770E+03\\ \hline \\ .386770E+03\\ \hline \\ .1000002] VA\\ \hline \\ Two-component\\ \hline \\ Pure component\\ \hline \hline \\ Pure c$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .125800E+00 .173200E+00 .221000E+00 .263500E+00 .302800E+00 .364600E+00 .434300E+00 .471500E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .386770E+03\\ \hline \\ \hline$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables:	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .386770E+03\\ \hline \end{array}$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .221000E+00 .263500E+00 .302800E+00 .364600E+00 .364600E+00 .511800E+00 .511800E+00 .511200E+00 .591400E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .78571002] VA\\ Two-component\\ Pure component\\ .745000E+00\\ .166000E+00\\ .10600E+00\\ .10600E+00\\ .28300E+00\\ .28300E+00\\ .337900E+00\\ .337900E+00\\ .337900E+00\\ .337900E+00\\ .337900E+00\\ .337900E+00\\ .339100E+00\\ .390100E+00\\ .416000E+00\\ .416000E+00\\ .473100E+00\\ .47$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Variable: V	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .78571002] VA\\ Two-component\\ Pure component\\ Pure co$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variable: Variable:	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .386770E+03\\ \hline \end{array}$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 .898500E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00 .206000E-01 .635000E-01 .635000E-01 .125800E+00 .263500E+00 .302800E+00 .302800E+00 .302800E+00 .542200E+00 .591400E+00 .639800E+00 .639800E+00 .639800E+00 .639800E+00 .639800E+00 .639800E+00 .639800E+00 .639800E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .7857002 + 03\\ .785700E-01\\ .725000E-01\\ .37700E+00\\ .209700E+00\\ .283300E+00\\ .337900E+00\\ .364800E+00\\ .364800E+00\\ .364800E+00\\ .364800E+00\\ .473100E+00\\ .473100E+00\\ .537800E+00\\ .537800E+00\\ .537800E+00\\ .587600E+00\\ .587600E+0$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Variable	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .386770E+03\\ \hline \end{array}$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Method: Components: Variables: Method: Components: (X1) .000000E+00 .206000E-01 .635000E-01 .635000E-01 .125800E+00 .173200E+00 .263500E+00 .364600E+00 .364600E+00 .364600E+00 .511800E+00 .511800E+00 .542200E+00 .511800E+00 .639800E+00 .639800E+00 .639800E+00 .729800E+00 .751300E+00 .751300E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .1000002] VA\\ Two-componentPure componentPure componentPure$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables: Method: Components: Variables: Method: Components: (X1) .000000E+00 .206000E-01 .635000E-01 .913000E-01 .125800E+00 .221000E+00 .263500E+00 .302800E+00 .364600E+00 .364600E+00 .511800E+00 .511800E+00 .591400E+00 .63300E+00 .63300E+00 .63300E+00 .729800E+00 .751300E+00 .751300E+00 .768700E+00 .788800E+00	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .1000002] VA\\ Two-component\\ Pure component\\ Pure $	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	[2 SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: Variables:	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .1000002 VA\\ Two-componentPure componentPure co$	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	SOLUTIONS ORTJ0950).01
.788800E+00 .836700E+00 .855600E+00 .898500E+00 Copyright© 1995 E Property Code: State: /ariables:	$\begin{array}{c} .385190E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .385710E+03\\ .1000002] VA\\ Two-component\\ Pure component\\ Pure $	POR-LIQUID Esystem, single-pha1, liquid2, liquidPressureMole fraction ofMole fraction ofent of y_1 at variabutanolethyl butanoate320E+06[X1].931600E+00.952100E+00.968900E+00.987400E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .863500E+00 .895700E+00 .930300E+00 .965100E+00	MIXTURES AND S liquid phase vapor phase P	SOLUTIONS ORTJ0950).01

Copyright© 1995 E	LDATA SARL Fran [EVLM0001] VA	ce. All rights reserve		MINTUDES	AND SOL LI	TIONS	OPT	10050 01
State:	Two-component s	vstem, single-phase	e liquid	MIATURES.	MIND SOLU	10143	OKI	J0950.01
	Pure component 1							
	Pure component 2							
Parameters:	[P1] <i>P/</i> Pa,	Pressure						
Variables:	$[X1] x_1/-,$		component 1 in li	quid phase				
Method:	[Y1] <i>T/</i> K, Direct measureme	Temperature ent of T at variable	x_1 and constant P)				
Components:	1. C ₄ H ₁₀ O, 2-Bu	itanol	1					
	2. $C_5H_{10}O_2$, Me		T		1. 			
(V1)	[P1] = .101		(3/1)	[Y1]				
[X1]	[Y1]	[X1]	[Y1]	.380E+03	1	1		
.000000E+00	.375150E+03	.820100E+00	.370980E+03					
.830001E-02 .194000E-01	.375110E+03 .375070E+03	.864200E+00 .890300E+00	.371220E+03 .371390E+03			o [P1] :	= .101320E+	06
.382000E-01	.374770E+03	.914500E+00	.371540E+03					
.701000E-01	.374230E+03	.935500E+00	.371660E+03					
.100800E+00	.373730E+03	.966700E+00	.371950E+03					
.133400E+00	.373350E+03	.979900E+00	.372130E+03	.375E+03	D_			-
.165100E+00	.372970E+03	.992900E+00	.372360E+03		ia.	°.°°°°°°°°		
.196900E+00	.372640E+03	.100000E+01	.372360E+03		io o			
.225400E+00	.372390E+03				Ŭ.a.			
.297500E+00 .339500E+00	.371810E+03 .371530E+03				°0,	n		8
.368400E+00	.371390E+03					°.00	~.0000	
.457200E+00	.370800E+03			2205 . 02		0.0000	000000	
.506200E+00	.370770E+03			.370E+03	F .			1
.538000E+00	.370700E+03							
.569300E+00	.370660E+03							
.599500E+00	.370630E+03							
.627200E+00 .655100E+00	.370630E+03 .370640E+03							
.686500E+00	.370640E+03							
.712000E+00	.370690E+03			.365E+03				
.738500E+00	.370730E+03					.50E+00		
	000010-							
.766900E+00	.370810E+03							[X1]
.796600E+00	.370900E+03	nce. All rights reserv	ved		······			[X1]
.796600E+00 Copyright© 1995 E Property Code:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN	MIXTURES	AND SOLU	TIONS	ORT	[X1]
.796600E+00 Copyright© 1995 E Property Code: State:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN	MIXTURES	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component	POR-LIQUID E system, single-pha 1, liquid 2, liquid	QUILIBRIUM IN	MIXTURES	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State: Parameters:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure	QUILIBRIUM IN Ise liquid		AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State:	.370900E+03 <u>ELDATA SARL Fra</u> [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o	QUILIBRIUM IN se liquid of component 1 in 1	liquid phase	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables:	$\begin{array}{c} .370900E+03 \\ \hline ELDATA SARL Fra \\ [EVLM0002] VA \\ Two-component \\ Pure component \\ Pure component \\ [P1] P/Pa, \\ [X1] x_1/-, \\ [Y1] y_1/-, \end{array}$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of	QUILIBRIUM IN se liquid of component 1 in 1	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab	QUILIBRIUM IN se liquid of component 1 in 1	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H10O, 2-B 2. C5H10O2, Mag	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of thent of y ₁ at variab utanol ethyl butanoate	QUILIBRIUM IN se liquid of component 1 in 1	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components:	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H10O, 2-Bi 2. C5H10O2, Ma [P1] = .101	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate 1320E+06	QUILIBRIUM IN se liquid of component 1 in x_1 of component 1 in x_1 ole x_1 and constant	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1]	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₁₀ O, 2-B 2. C ₅ H ₁₀ O ₂ , Ma [P1] = .101 [Y1]	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate [320E+06 [X1]	QUILIBRIUM IN se liquid of component 1 in x_1 of component 1 in x_1 of x_1 and constant [Y1]	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₁₀ O, 2-B 2. C ₅ H ₁₀ O ₂ , Ma [P1] = .101 [Y1] .000000E+00	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate [320E+06 [X1] .820100E+00	QUILIBRIUM IN ise liquid of component 1 in 1 of component 1 in 1 ole x_1 and constant [Y1] .792100E+00	liquid phase vapor phase	AND SOLU	TIONS	ORT	
.796600E+00 <u>Copyright© 1995 E</u> Property Code: State: Parameters: Variables: Method: <u>[X1]</u> .000000E+00 .830001E-02	$\begin{array}{r} .370900E+03 \\ \hline \\ ELDATA SARL Fra \\ [EVLM0002] VA \\ Two-component \\ Pure component \\ Pure component \\ [P1] P/Pa, \\ [X1] x_1/-, \\ [Y1] y_1/-, \\ Direct measurem \\ \hline 1. C_4H_{10}O, 2-Bi \\ \hline 2. C_5H_{10}O_2, Ma \\ \hline [P1] = .101 \\ \hline [Y1] \\ .000000E+00 \\ .136000E-01 \\ \end{array}$	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate [320E+06 [X1] .820100E+00 .864200E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 ole x_1 and constant [Y1] .792100E+00 .838500E+00	liquid phase vapor phase P				J0950.0)
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H10O, 2-Bi 2. C5H10O2, Ma [P1] = .101 [Y1] .000000E+00 .136000E-01 .304000E-01	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate 320E+06 [X1] .820100E+00 .864200E+00 .890300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 ole x_1 and constant [Y1] .792100E+00 .838500E+00 .865800E+00	liquid phase vapor phase P				J0950.0)
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01	$\begin{array}{r} .370900E+03 \\ \hline \\ \hline \\ ELDATA SARL Fra \\ [EVLM0002] VA \\ \hline \\ Two-component \\ Pure component \\ Pure component \\ Pure component \\ [P1] P/Pa, \\ [X1] x_1/-, \\ [Y1] y_1/-, \\ \hline \\ Direct measurem \\ \hline \\ 1. C_4H_{10}O, 2-Bi \\ \hline \\ 2. C_5H_{10}O_2, Ma \\ \hline \\ [P1] = .101 \\ \hline \\ [Y1] \\ .000000E+00 \\ .136000E-01 \\ .304000E-01 \\ .594000E-01 \\ \end{array}$	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate 320E+06 [X1] .820100E+00 .864200E+00 .890300E+00 .914500E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 ole x_1 and constant [Y1] .792100E+00 .838500E+00	liquid phase vapor phase P				J0950.0)
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01	.370900E+03 ELDATA SARL Fra [EVLM0002] VA Two-component Pure component [P1] P/Pa, [X1] x1/-, [Y1] y1/-, Direct measurem 1. C4H10O, 2-Bi 2. C5H10O2, Ma [P1] = .101 [Y1] .000000E+00 .136000E-01 .304000E-01	APOR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction of Mole fraction of tent of y ₁ at variab utanol ethyl butanoate 320E+06 [X1] .820100E+00 .864200E+00 .890300E+00	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 le x_1 and constant [Y1] .792100E+00 .838500E+00 .865800E+00 .893500E+00	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01	$\begin{array}{r} .370900E+03\\ \hline \\ \hline \\ ELDATA SARL Fra \\ [EVLM0002] VA \\ \hline \\ Two-component \\ Pure component \\ Pure component \\ Pure component \\ [P1] P/Pa, \\ [X1] x_1/-, \\ [Y1] y_1/-, \\ \hline \\ Direct measurem \\ \hline \\ 1. C_4H_{10}O, 2-Bi \\ \hline \\ 2. C_5H_{10}O_2, Ma \\ \hline \\ [P1] = .101 \\ \hline \\ [Y1] \\ .000000E+00 \\ .136000E-01 \\ .304000E-01 \\ .594000E-01 \\ .109600E+00 \\ \hline \end{array}$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction C}\\ \text{Mole fraction C}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ \hline 1320E+06\\ \hline \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 of x_1 and constant [Y1] .792100E+00 .838500E+00 .865800E+00 .915800E+00 .954900E+00 .972200E+00	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .165100E+00	$\begin{array}{r} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .165100E+00 .196900E+00	$\begin{array}{r} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1 in 1 of x_1 and constant [Y1] .792100E+00 .838500E+00 .865800E+00 .915800E+00 .954900E+00 .972200E+00	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .165100E+00 .225400E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .13400E+00 .196900E+00 .225400E+00 .297500E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .133400E+00 .13400E+00 .225400E+00 .297500E+00 .339500E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .133400E+00 .13400E+00 .225400E+00 .297500E+00 .339500E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .13400E+00 .165100E+00 .39500E+00 .39500E+00 .506200E+00 .506200E+00 .509300E+00 .509300E+00 .599500E+00 .599500E+00 .599500E+00 .599500E+00 .599500E+00 .599500E+00 .599500E+00 .595100E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .133400E+00 .165100E+00 .309500E+00 .309500E+00 .506200E+00 .509300E+00 .599500E+00 .599500E+00 .599500E+00 .599500E+00 .627200E+00 .627200E+00 .625100E+00 .686500E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .165100E+00 .225400E+00 .309500E+00 .368400E+00 .569300E+00 .569300E+00 .599500E+00 .599500E+00 .627200E+00 .627200E+00 .686500E+00 .686500E+00 .712000E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P				J0950.0)
.796600E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Method: Components: [X1] .000000E+00 .830001E-02 .194000E-01 .382000E-01 .701000E-01 .100800E+00 .133400E+00 .133400E+00 .165100E+00 .309500E+00 .309500E+00 .506200E+00 .509300E+00 .509500E+00 .599500E+00 .599500E+00 .599500E+00 .627200E+00 .627200E+00 .625100E+00 .686500E+00	$\begin{array}{c} .370900E+03\\ \hline \\ \hline$	$\begin{array}{c} \text{APOR-LIQUID E}\\ \text{system, single-pha}\\ 1, \text{liquid}\\ 2, \text{liquid}\\ \text{Pressure}\\ \text{Mole fraction c}\\ \text{Mole fraction c}\\ \text{int of } y_1 \text{ at variab}\\ \textbf{utanol}\\ \textbf{ethyl butanoate}\\ 1320E+06\\ \hline [X1]\\ .820100E+00\\ .864200E+00\\ .890300E+00\\ .914500E+00\\ .935500E+00\\ .966700E+00\\ .979900E+00\\ .992900E+00\\ \end{array}$	QUILIBRIUM IN se liquid of component 1 in 1 of component 1	liquid phase vapor phase P		TIONS		J0950.01

				N MIXTURES AND SOLUTIONS	ORTJ0950.017
State:	Two-component:	system, single-pha			L
	Pure component				
Parameters:	Pure component [P1] P/Pa,	2, iiquid Pressure			
ariables:	[X1] $x_1/-$,		f component 1 in	liquid phase	
	[Y1] <i>T/</i> K,	Temperature	-		
Method:	Direct measurem	ent of \tilde{T} at variabl	ex_1 and constant.	Р	
Components:		lethyl-1-propanol			
	2. C ₅ H ₁₀ O ₂ , M				
(1/4)	[P1] = .101	1		[Y1]	
[X1]	[Y1]	[X1]	[Y1]	.390E+03	1
.000000E+00 .180000E-01	.375150E+03 .374990E+03	.802400E+00 .824200E+00	.377510E+03 .377820E+03		
.403000E-01	.374850E+03	.824200E+00	.378110E+03	0 [P1	= .101320E + 06
.754000E-01	.374700E+03	.879700E+00	.378580E+03		
.112200E+00		.901600E+00	.379010E+03	.385E+03	
.147600E+00		.929600E+00	.379380E+03		
.181700E+00		.952700E+00	.379750E+03		
.212000E+00 .246300E+00		.971900E+00 .989300E+00	.380240E+03 .380370E+03		
.277800E+00		.100000E+01	.380370E+03		
.307900E+00			.5005701705	.380E+03	200
.339900E+00	.374400E+03				doo.
.375900E+00					
.402300E+00 .431300E+00					
.451300E+00				275 1 02	.0
.486600E+00				.3/3E+03 0000000000000000000000000000000000	-
.515400E+00	.375020E+03		-	.380E+03	
.542400E+00				The second se	
.572400E+00 .594600E+00					
.618000E+00				.370E+03	
.662500E+00				.50E+00	
.0020000000000				.501100	
.746400E+00	.376870E+03				[X1]
.746400E+00 .775700E+00	.376870E+03 .377180E+03				[X1]
.746400E+00 .775700E+00 Copyright© 1995 E	.376870E+03 .377180E+03 ELDATA SARL Fra				
.746400E+00 .775700E+00 Copyright© 1995 E Property Code:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E	QUILIBRIUM IN	MIXTURES AND SOLUTIONS	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA Two-component s	POR-LIQUID E system, single-pha	QUILIBRIUM IN		
.746400E+00 .775700E+00 Copyright© 1995 E Property Code:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA	POR-LIQUID E system, single-pha 1, liquid	QUILIBRIUM IN		
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters:	.376870E+03 .377180E+03 ELDATA SARL Frai [EVLM0002] VA Two-component s Pure component s Pure component s [P1] <i>P</i> /Pa,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure	QUILIBRIUM IN se liquid	MIXTURES AND SOLUTIONS	
.746400E+00 .775700E+00 Copyright© 1995 E	$\begin{array}{c} .376870E+03\\ .377180E+03\\ \hline \end{array}$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o	QUILIBRIUM IN se liquid f component 1 in l	I MIXTURES AND SOLUTIONS	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables:	.376870E+03 .377180E+03 [EUDATA SARL Fran [EVLM0002] VA Two-component S Pure component S Pure component S [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$,	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v	I MIXTURES AND SOLUTIONS iquid phase yapor phase	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA Two-component s Pure component 7 Pure component 7 [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem	POR-LIQUID Every system, single-pha- system, single-pha- 1, liquid 2, liquid Pressure Mole fraction o Mole fraction o ent of y ₁ at variable	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v	I MIXTURES AND SOLUTIONS iquid phase yapor phase	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA Two-component s Pure component ? Pure component ? [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₁₀ O, 2-M 2. C ₅ H ₁₀ O ₂ , Me	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y ₁ at variabl ethyl-1-propanol thyl butanoate	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v	I MIXTURES AND SOLUTIONS iquid phase yapor phase	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Method:	.376870E+03 .377180E+03 ELDATA SARL Frat [EVLM0002] VA Two-component 3 Pure component 3 Pure component 3 [P1] P/Pa , [X1] $x_1/-$, [Y1] $y_1/-$, Direct measurem 1. C4H10O, 2-M	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y ₁ at variabl ethyl-1-propanol thyl butanoate	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in x_1 le x_1 and constant	I MIXTURES AND SOLUTIONS iquid phase yapor phase	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters:	.376870E+03 .377180E+03 ELDATA SARL Fra [EVLM0002] VA Two-component s Pure component ? Pure component ? [P1] <i>P</i> /Pa, [X1] x ₁ /-, [Y1] y ₁ /-, Direct measurem 1. C ₄ H ₁₀ O, 2-M 2. C ₅ H ₁₀ O ₂ , Me	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y ₁ at variabl ethyl-1-propanol thyl butanoate	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v	I MIXTURES AND SOLUTIONS iquid phase yapor phase	[X1] ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Wethod: Components: [X1] .000000E+00	$\begin{array}{c} .376870E+03\\ .377180E+03\\ \hline \\ .377180E+03\\ \hline \\ ELDATA SARL Framely \\ EVLM0002] VA\\ \hline \\ Two-component \\ Pure component $	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .721400E+00	I MIXTURES AND SOLUTIONS iquid phase yapor phase	
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Method: Components: [X1] .000000E+00 .180000E-01	$\begin{array}{c} .376870E+03\\ .377180E+03\\ \hline \\ .377180E+03\\ \hline \\ ELDATA SARL Framely (EVLM0002) VA (SARL) (SARL$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .721400E+00 .748300E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase P	-
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: [X1] .000000E+00 .180000E-01 .403000E-01	$\begin{array}{c} .376870E+03\\ .377180E+03\\ \hline \\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Frameler[EVLM0002] VATwo-component of the second of the $	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x_1 and constant [Y1] .721400E+00 .748300E+00 .779600E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: Variables: Variables: Variables: [X1] .000000E+00 .180000E-01 .403000E-01 .754000E-01	$\begin{array}{c} .376870E+03\\ .377180E+03\\ \hline \\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Fram\\ \hline \\ [EVLM0002] VA\\ \hline \\ Two-component and a second base of the second b$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00 .879700E+00	QUILIBRIUM IN se liquid f component 1 in I f component 1 in V e_{x_1} and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .814500E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variable: Variable: Variab	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Frameler[EVLM0002] VATwo-componentsPure componentsPure c$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00 .879700E+00 .901600E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .814500E+00 .849900E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variable: Variable: Variab	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Fram\\ \hline \\ [EVLM0002] VA\\ Two-component S\\ Pure component S\\ Pure component S\\ Pure component S\\ Pure component S\\ \hline \\ Pure component$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00 .901600E+00 .929600E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .887700E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variable: Variable: Variab	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Frameler[EVLM0002] VATwo-componentsPure componentsPure c$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00 .879700E+00 .901600E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .814500E+00 .849900E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.011
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline \\ ELDATA SARL Fram\\ \hline \\ [EVLM0002] VA\\ Two-component S\\ Pure component S\\ Pure component S\\ Pure component S\\ \hline \\ Pure compo$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Variables: Variables: Variables: Vethod: Components: [X1] .000000E+00 .180000E-01 .403000E-01 .112200E+00 .147600E+00 .181700E+00 .212000E+00 .246300E+00 .277800E+00	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID E system, single-pha 1, liquid 2, liquid Pressure Mole fraction o ent of y_1 at variable ethyl-1-propanol ethyl butanoate 320E+06 [X1] .802400E+00 .824200E+00 .851000E+00 .901600E+00 .929600E+00 .952700E+00 .971900E+00	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .887700E+00 .918800E+00 .954000E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.011
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Variables: Variable:	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Variables: Va	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
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.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
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.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: Variables: V	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase <i>P</i>	ORTJ0950.018
.746400E+00 .775700E+00 Copyright© 1995 E Property Code: State: Parameters: /ariables: /	$\begin{array}{c} .376870E+03\\ .377180E+03\\ .377180E+03\\ \hline \\ \hline$	POR-LIQUID EVery system, single-phain single-phain single-phain system, single-phain system, single-phain system, single-phain system, single-phain system	QUILIBRIUM IN se liquid f component 1 in 1 f component 1 in v le x ₁ and constant [Y1] .721400E+00 .748300E+00 .779600E+00 .849900E+00 .849900E+00 .918800E+00 .954000E+00 .978200E+00	I MIXTURES AND SOLUTIONS iquid phase /apor phase P [Y1]	ORTJ0950.018
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