Workbook: Case (Main)

Material Streams

Fluid Pkg: All

Name	21002	21003*	21003	2101124	21005
Vapour Fraction	0.0011	1.0000	0.0000	0.0000	1.0000
Temperature (C)	32.20 *	32.20	32.20	34.11	87.84
Pressure (bar)	2.500 *	2.500	2.500	35.70	2.300
Molar Flow (kgmole/h)	318.3 *	0.3390	318.0	746.0	592.3
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0020 *	0.9315	0.0010	0.0000	0.0128
Master Comp Mole Frac (CO)	0.0000 *	0.0000	0.0000	0.0000	0.6030
Master Comp Mole Frac (CO2)	0.0000 *	0.0000	0.0000	0.0001	0.0002
Master Comp Mole Frac (Methanol)	0.9970 *	0.0685	0.9980	0.0020	0.1065
Master Comp Mole Frac (CH3I)	0.0000 *	0.0000	0.0000	0.0742	0.0497
Master Comp Mole Frac (M-Acetate)	0.0000 *	0.0000	0.0000	0.0155	0.0076
Master Comp Mole Frac (AceticAcid)	0.0000 *	0.0000	0.0000	0.2052	0.0713
Master Comp Mole Frac (H2O)	0.0009 *	0.0000	0.0009	0.7028	0.1485
Master Comp Mole Frac (HI)	0.0000 *	0.0000	0.0000	0.0002	0.0002
Master Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0001 *	0.0000	0.0001	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0001	0.0277
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.6470 *	0.3158	0.3312	0.0020	7.6102
Master Comp Molar Flow (CO) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0138	357.1496
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0997	0.1236
Master Comp Molar Flow (Methanol) (kgmole/h)	317.3481 *	0.0232	317.3248	1.4847	63.1003
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000 *	0.0000	0.0000	55.3273	29.4377
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000 *	0.0000	0.0000	11.5907	4.4807
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000 *	0.0000	0.0000	153.0623	42.2432
Master Comp Molar Flow (H2O) (kgmole/h)	0.2827 *	0.0000	0.2827	524.3157	87.9757
Master Comp Molar Flow (HI) (kgmole/h)	0.0000 *	0.0000	0.0000	0.1308	0.1077
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0142	0.0216
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0222 *	0.0000	0.0222	0.0000	0.0044
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21008	22013	22015	21012	21014*
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	87.84	70.35 *	20.00 *	72.01	60.74
Pressure (bar)	2.300	39.90 *	35.70 *	31.00	31.00
Molar Flow (kgmole/h)	4242	184.7 *	561.3 *	316.2	1062
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000 *	0.0010	0.0003
Master Comp Mole Frac (CO)	0.0001	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0003 *	0.0001 *	0.0000	0.0001
Master Comp Mole Frac (Methanol)	0.1412	0.0026 *	0.0018 *	0.9980	0.2985
Master Comp Mole Frac (CH3I)	0.0105	0.2508 *	0.0160 *	0.0000	0.0521
Master Comp Mole Frac (M-Acetate)	0.0035	0.0330 *	0.0098 *	0.0000	0.0109
Master Comp Mole Frac (AceticAcid)	0.3782	0.1724 *	0.2159 *	0.0000	0.1441
Master Comp Mole Frac (H2O)	0.4662	0.5401 *	0.7563 *	0.0009	0.4939
Master Comp Mole Frac (HI)	0.0000	0.0007 *	0.0000 *	0.0000	0.0001
Master Comp Mole Frac (C3oicAcid)	0.0002	0.0001 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000 *	0.0001	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0001 *	0.0000 *	0.0000	0.0001
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0226	0.0020 *	0.0000 *	0.3293	0.3313
Master Comp Molar Flow (CO) (kgmole/h)	0.6011	0.0038 *	0.0100 *	0.0000	0.0138
Master Comp Molar Flow (CO2) (kgmole/h)	0.0050	0.0497 *	0.0500 *	0.0000	0.0997
Master Comp Molar Flow (Methanol) (kgmole/h)	599.2214	0.4846 *	1.0001 *	315.5796	317.0642
Master Comp Molar Flow (CH3I) (kgmole/h)	44.7268	46.3266 *	9.0006 *	0.0000	55.3273
Master Comp Molar Flow (M-Acetate) (kgmole/h)	14.7075	6.0903 *	5.5004 *	0.0000	11.5907
Master Comp Molar Flow (AceticAcid) (kgmole/h)	1604.3526	31.8537 *	121.2086 *	0.0000	153.0623
Master Comp Molar Flow (H2O) (kgmole/h)	1977.7937	99.7855 *	424.5303 *	0.2812	524.5969
Master Comp Molar Flow (HI) (kgmole/h)	0.0333	0.1308 *	0.0000 *	0.0000	0.1308
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.7635	0.0142 *	0.0000 *	0.0000	0.0142
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0521	0.0000 *	0.0000 *	0.0221	0.0221
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21007	21010	22004	2103	21009
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	1.0000
Temperature (C)	24.00 *	122.6 *	188.0 *	91.43	122.6
Pressure (bar)	15.00 *	2.300 *	8.000 *	2.300	2.300
Molar Flow (kgmole/h)	26.37 *	3381 *	147.2 *	4390	1009
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0010 *	0.0000 *	0.0000 *	0.0001	0.0006
Master Comp Mole Frac (CO2)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.2846 *	0.1001 *	0.0001 *	0.1365	0.2475
Master Comp Mole Frac (CH3I)	0.1061 *	0.0047 *	0.0072 *	0.0104	0.0317
Master Comp Mole Frac (M-Acetate)	0.0182 *	0.0021 *	0.0033 *	0.0035	0.0083
Master Comp Mole Frac (AceticAcid)	0.1916 *	0.4401 *	0.7604 *	0.3910	0.2466
Master Comp Mole Frac (H2O)	0.3982 *	0.4527 *	0.2283 *	0.4582	0.4651
Master Comp Mole Frac (HI)	0.0002 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0001 *	0.0002 *	0.0007 *	0.0002	0.0001
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0012 *	0.0002 *	0.0000 *	0.0226	0.0225
Master Comp Molar Flow (CO) (kgmole/h)	0.0275 *	0.0033 *	0.0000 *	0.6011	0.6005
Master Comp Molar Flow (CO2) (kgmole/h)	0.0006 *	0.0008 *	0.0000 *	0.0050	0.0050
Master Comp Molar Flow (Methanol) (kgmole/h)	7.5055 *	338.3181 *	0.0221 *	599.2434	249.8143
Master Comp Molar Flow (CH3I) (kgmole/h)	2.7978 *	16.0394 *	1.0594 *	45.7862	32.0036
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.4800 *	7.1175 *	0.4811 *	15.1887	8.3460
Master Comp Molar Flow (AceticAcid) (kgmole/h)	5.0536 *	1487.9139 *	111.9541 *	1716.3067	248.9391
Master Comp Molar Flow (H2O) (kgmole/h)	10.5017 *	1530.6984 *	33.6206 *	2011.4143	469.5093
Master Comp Molar Flow (HI) (kgmole/h)	0.0041 *	0.0062 *	0.0002 *	0.0335	0.0303
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0026 *	0.7682 *	0.1001 *	0.8636	0.1322
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0005 *	0.0340 *	0.0000 *	0.0521	0.0181
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21010.	23010	23012	23013	23008
Vapour Fraction	0.0000	0.0000	1.0000	0.0000	0.0000
Temperature (C)	122.6	43.35 *	43.49	50.41	43.35 *
Pressure (bar)	2.300	33.90 *	28.50	28.60	33.90 *
Molar Flow (kgmole/h)	3380	35.90 *	43.63	36.97	145.5 *
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0001	0.0000	0.0000 *
Master Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0207	0.0002	0.0000 *
Master Comp Mole Frac (CO)	0.0000	0.0000 *	0.9757	0.0070	0.0000 *
Master Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0003	0.0001	0.0000 *
Master Comp Mole Frac (Methanol)	0.1034	0.0005 *	0.0000	0.0023	0.0005 *
Master Comp Mole Frac (CH3I)	0.0041	0.0047 *	0.0003	0.0241	0.0047 *
Master Comp Mole Frac (M-Acetate)	0.0020	0.0041 *	0.0001	0.0055	0.0041 *
Master Comp Mole Frac (AceticAcid)	0.4341	0.9473 *	0.0026	0.9173	0.9473 *
Master Comp Mole Frac (H2O)	0.4562	0.0433 *	0.0003	0.0432	0.0433 *
Master Comp Mole Frac (HI)	0.0000	0.0000 *	0.0000	0.0002	0.0000 *
Master Comp Mole Frac (C3oicAcid)	0.0002	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000 *	0.0033	0.0000	0.0000 *
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000 *	0.9039	0.0081	0.0000 *
Master Comp Molar Flow (CO) (kgmole/h)	0.0007	0.0000 *	42.5716	0.2588	0.0000 *
Master Comp Molar Flow (CO2) (kgmole/h)	0.0001	0.0000 *	0.0112	0.0031	0.0000 *
Master Comp Molar Flow (Methanol) (kgmole/h)	349.4291	0.0193 *	0.0003	0.0856	0.0784 *
Master Comp Molar Flow (CH3I) (kgmole/h)	13.7825	0.1689 *	0.0111	0.8927	0.6844 *
Master Comp Molar Flow (M-Acetate) (kgmole/h)	6.8426	0.1489 *	0.0028	0.2039	0.6035 *
Master Comp Molar Flow (AceticAcid) (kgmole/h)	1467.3676	34.0069 *	0.1131	33.9095	137.8274 *
Master Comp Molar Flow (H2O) (kgmole/h)	1541.9050	1.5560 *	0.0134	1.5980	6.3063 *
Master Comp Molar Flow (HI) (kgmole/h)	0.0032	0.0000 *	0.0000	0.0088	0.0000 *
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.7315	0.0000 *	0.0000	0.0000	0.0001 *
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0340	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	23010.	23009.	23370	23372	23009
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	43.35	43.35	17.00 *	24.76	25.00 *
Pressure (bar)	33.90	33.90	12.00 *	35.00 *	4.400 *
Molar Flow (kgmole/h)	35.94	109.6	388.6	388.6	109.6
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.0005	0.0005	0.0000 *	0.0000	0.0005
Master Comp Mole Frac (CH3I)	0.0047	0.0047	0.0000 *	0.0000	0.0047
Master Comp Mole Frac (M-Acetate)	0.0041	0.0041	0.0000 *	0.0000	0.0041
Master Comp Mole Frac (AceticAcid)	0.9473	0.9473	0.0000 *	0.0000	0.9473
Master Comp Mole Frac (H2O)	0.0433	0.0433	1.0000 *	1.0000	0.0433
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0194	0.0590	0.0000 *	0.0000	0.0590
Master Comp Molar Flow (CH3I) (kgmole/h)	0.1690	0.5153	0.0000 *	0.0000	0.5153
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.1491	0.4544	0.0000 *	0.0000	0.4544
Master Comp Molar Flow (AceticAcid) (kgmole/h)	34.0434	103.7840	0.0000 *	0.0000	103.7840
Master Comp Molar Flow (H2O) (kgmole/h)	1.5577	4.7487	388.5629 *	388.5629	4.7487
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22011	23014	23001	23002	23011*
Vapour Fraction	1.0000	1.0000	0.0000	1.0000	0.0000
Temperature (C)	16.56 *	25.82	35.17	33.96	35.24
Pressure (bar)	2.100 *	2.000	2.100	2.000	6.000 *
Molar Flow (kgmole/h)	23.70 *	18.48	114.8	62.11	114.8
Master Comp Mole Frac (Hydrogen)	0.0578 *	0.0741	0.0000	0.0221	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.1450 *	0.1851	0.0001	0.0696	0.0001
Master Comp Mole Frac (CO)	0.4200 *	0.5371	0.0003	0.8452	0.0003
Master Comp Mole Frac (CO2)	0.1739 *	0.1895	0.0054	0.0566	0.0054
Master Comp Mole Frac (Methanol)	0.0000 *	0.0000	0.0005	0.0000	0.0005
Master Comp Mole Frac (CH3I)	0.1669 *	0.0016	0.0387	0.0006	0.0387
Master Comp Mole Frac (M-Acetate)	0.0051 *	0.0003	0.0050	0.0001	0.0050
Master Comp Mole Frac (AceticAcid)	0.0001 *	0.0105	0.9025	0.0049	0.9025
Master Comp Mole Frac (H2O)	0.0094 *	0.0014	0.0431	0.0006	0.0431
Master Comp Mole Frac (HI)	0.0218 *	0.0003	0.0045	0.0001	0.0045
Master Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	1.3697 *	1.3686	0.0011	1.3719	0.0011
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	3.4360 *	3.4208	0.0152	4.3248	0.0152
Master Comp Molar Flow (CO) (kgmole/h)	9.9548 *	9.9247	0.0301	52.4963	0.0301
Master Comp Molar Flow (CO2) (kgmole/h)	4.1204 *	3.5021	0.6183	3.5133	0.6183
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0005 *	0.0006	0.0589	0.0009	0.0589
Master Comp Molar Flow (CH3I) (kgmole/h)	3.9551 *	0.0287	4.4418	0.0397	4.4418
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.1211 *	0.0057	0.5698	0.0085	0.5698
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0024 *	0.1943	103.5921	0.3074	103.5921
Master Comp Molar Flow (H2O) (kgmole/h)	0.2236 *	0.0262	4.9460	0.0396	4.9460
Master Comp Molar Flow (HI) (kgmole/h)	0.5164 *	0.0053	0.5111	0.0054	0.5111
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	23011	23003	23004	23301	23006*
Vapour Fraction	0.0007	1.0000	0.0000	0.0000	0.0000
Temperature (C)	39.26	112.0	140.9	1.000 *	43.00 *
Pressure (bar)	6.000	2.100	2.200	15.00 *	15.00 *
Molar Flow (kgmole/h)	151.8	10.30	141.5	450.0 *	149.1
Master Comp Mole Frac (Hydrogen)	0.0000	0.0001	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Nitrogen)	0.0002	0.0023	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (CO)	0.0019	0.0281	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (CO2)	0.0041	0.0603	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Methanol)	0.0010	0.0056	0.0006	0.0000 *	0.0006
Master Comp Mole Frac (CH3I)	0.0352	0.4492	0.0050	0.5000 *	0.0047
Master Comp Mole Frac (M-Acetate)	0.0051	0.0125	0.0046	0.0000 *	0.0043
Master Comp Mole Frac (AceticAcid)	0.9061	0.3386	0.9474	0.0000 *	0.9448
Master Comp Mole Frac (H2O)	0.0431	0.0528	0.0424	0.5000 *	0.0456
Master Comp Mole Frac (HI)	0.0034	0.0505	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0011	0.0011	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0233	0.0233	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.2889	0.2889	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.6214	0.6214	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.1445	0.0578	0.0867	0.0000 *	0.0867
Master Comp Molar Flow (CH3I) (kgmole/h)	5.3344	4.6270	0.7075	225.0000 *	0.7075
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.7737	0.1289	0.6448	0.0000 *	0.6448
Master Comp Molar Flow (AceticAcid) (kgmole/h)	137.5015	3.4880	134.0135	0.0000 *	140.9138
Master Comp Molar Flow (H2O) (kgmole/h)	6.5441	0.5438	6.0002	225.0000 *	6.7953
Master Comp Molar Flow (HI) (kgmole/h)	0.5199	0.5199	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0001	0.0000	0.0001	0.0000 *	0.0001
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	23302	23006	23007*	23008*	22020
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	43.90	43.35	43.35	43.35	159.6 *
Pressure (bar)	15.00	33.90 *	33.90	33.90	3.300 *
Molar Flow (kgmole/h)	450.0	149.1	2.237	146.9	332.8 *
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Methanol)	0.0000	0.0006	0.0006	0.0006	0.0000 *
Master Comp Mole Frac (CH3I)	0.5000	0.0047	0.0047	0.0047	0.0000 *
Master Comp Mole Frac (M-Acetate)	0.0000	0.0043	0.0043	0.0043	0.0000 *
Master Comp Mole Frac (AceticAcid)	0.0000	0.9448	0.9448	0.9448	0.9904 *
Master Comp Mole Frac (H2O)	0.5000	0.0456	0.0456	0.0456	0.0087 *
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0009 *
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000	0.0867	0.0013	0.0854	0.0002 *
Master Comp Molar Flow (CH3I) (kgmole/h)	225.0000	0.7075	0.0106	0.6969	0.0000 *
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.6448	0.0097	0.6351	0.0000 *
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000	140.9138	2.1137	138.8001	329.6079 *
Master Comp Molar Flow (H2O) (kgmole/h)	225.0000	6.7953	0.1019	6.6933	2.8975 *
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0001	0.0000	0.0001	0.2945 *
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	koh	22068*	22068	22067	22069
Vapour Fraction	0.0000 *	0.0000	0.0000 *	0.0000	1.0000
Temperature (C)	161.5 *	159.5	159.7	96.31 *	144.8 *
Pressure (bar)	6.426	3.300	6.780 *	9.400 *	2.200 *
Molar Flow (kgmole/h)	0.2200 *	333.0	333.0	998.7 *	10.30 *
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (Nitrogen)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (CO)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (CO2)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (Methanol)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (CH3I)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (M-Acetate)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (AceticAcid)	0.0000 *	0.9898	0.9898	0.8977 *	0.9461 *
Master Comp Mole Frac (H2O)	0.9091 *	0.0093	0.0093	0.1023 *	0.0219 *
Master Comp Mole Frac (HI)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (C3oicAcid)	0.0000 *	0.0009	0.0009	0.0000 *	0.0320 *
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Mole Frac (KOH*)	0.0909 *	0.0001	0.0001	0.0000 *	0.0000 *
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (CO) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000 *	0.0002	0.0002	0.0082 *	0.0000 *
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000 *	329.6079	329.6079	896.5157 *	9.7445 *
Master Comp Molar Flow (H2O) (kgmole/h)	0.2000 *	3.0975	3.0975	102.1839 *	0.2251 *
Master Comp Molar Flow (HI) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000 *	0.2945	0.2945	0.0000 *	0.3299 *
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0200 *	0.0200	0.0200	0.0000 *	0.0000 *
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22051	22064	22052	22065	22306
Vapour Fraction	1.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	132.6	137.7	145.6	70.09	4.000 *
Pressure (bar)	1.700	1.851	2.220	4.351	1.000
Molar Flow (kgmole/h)	1015	315.9	10.82	315.9	500.0 *
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (AceticAcid)	0.8967	0.9980	0.9409	0.9980	0.0000 *
Master Comp Mole Frac (H2O)	0.1033	0.0019	0.0001	0.0019	1.0000 *
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0571	0.0000	0.0000 *
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0018	0.0000	0.0000 *
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0084	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (AceticAcid) (kgmole/h)	910.3982	315.2858	10.1841	315.2858	0.0000 *
Master Comp Molar Flow (H2O) (kgmole/h)	104.8946	0.6103	0.0016	0.6103	500.0000 *
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0059	0.6185	0.0059	0.0000 *
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0200	0.0000	0.0000 *
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22307	22051*	22304	22305	VAP22051*
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	1.0000
Temperature (C)	76.00 *	96.10 *	10.00 *	100.0 *	96.10
Pressure (bar)	1.000 *	1.700	1.600 *	1.600	1.700
Molar Flow (kgmole/h)	500.0	1015	6419	6419	0.0000
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (AceticAcid)	0.0000	0.8967	0.0000 *	0.0000	0.8967
Master Comp Mole Frac (H2O)	1.0000	0.1033	1.0000 *	1.0000	0.1033
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000	0.0084	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000	910.3982	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (H2O) (kgmole/h)	500.0000	104.8946	6418.6397 *	6418.6397	0.0000
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22066	22066*	22067*	22054	22060
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	96.10	96.31	96.31	96.31	96.31
Pressure (bar)	1.700	9.400 *	9.400	9.400	9.400
Molar Flow (kgmole/h)	1015	1015	998.7	16.59	8.895
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (AceticAcid)	0.8967	0.8967	0.8967	0.8967	0.8967
Master Comp Mole Frac (H2O)	0.1033	0.1033	0.1033	0.1033	0.1033
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0084	0.0084	0.0082	0.0001	0.0001
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	910.3982	910.3982	895.5223	14.8759	7.9756
Master Comp Molar Flow (H2O) (kgmole/h)	104.8946	104.8946	103.1806	1.7140	0.9189
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22055	22053	22070	25009	25009*
Vapour Fraction	0.0000	0.0000	0.0000	1.0000	0.0000
Temperature (C)	96.31	145.7	162.9	70.09	70.09
Pressure (bar)	9.400	5.100 *	3.000	4.351	4.351
Molar Flow (kgmole/h)	7.695	10.82	0.7542	0.0000	315.9
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (AceticAcid)	0.8967	0.9409	0.5929	0.9980	0.9980
Master Comp Mole Frac (H2O)	0.1033	0.0001	0.0085	0.0019	0.0019
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0571	0.3721	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0018	0.0265	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0001	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	6.9003	10.1841	0.4472	0.0000	315.2858
Master Comp Molar Flow (H2O) (kgmole/h)	0.7950	0.0016	0.0064	0.0000	0.6103
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.6185	0.2806	0.0000	0.0059
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0200	0.0200	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22002	22003	22024	22004*	22009*
Vapour Fraction	0.0000	0.0000	1.0000	0.0000	0.0000
Temperature (C)	69.63 *	176.7 *	161.1	188.0	176.5
Pressure (bar)	7.700 *	9.630 *	7.700	8.000	7.885
Molar Flow (kgmole/h)	485.0 *	70.00 *	969.6	147.2	559.1
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000 *	0.0014	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000 *	0.0000 *	0.0036	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000 *	0.0000 *	0.0102	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0003 *	0.0001 *	0.0040	0.0000	0.0001
Master Comp Mole Frac (Methanol)	0.0026 *	0.0006 *	0.0025	0.0001	0.0006
Master Comp Mole Frac (CH3I)	0.2490 *	0.0380 *	0.2482	0.0072	0.0381
Master Comp Mole Frac (M-Acetate)	0.0328 *	0.0087 *	0.0326	0.0033	0.0087
Master Comp Mole Frac (AceticAcid)	0.1761 *	0.6157 *	0.1625	0.7604	0.6143
Master Comp Mole Frac (H2O)	0.5385 *	0.3365 *	0.5339	0.2283	0.3378
Master Comp Mole Frac (HI)	0.0007 *	0.0000 *	0.0009	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0001 *	0.0004 *	0.0001	0.0007	0.0004
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0004 *	0.0002 *	1.3993	0.0000	0.0012
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0054 *	0.0009 *	3.4993	0.0000	0.0070
Master Comp Molar Flow (CO) (kgmole/h)	0.0102 *	0.0017 *	9.8988	0.0000	0.0132
Master Comp Molar Flow (CO2) (kgmole/h)	0.1339 *	0.0054 *	3.8964	0.0000	0.0429
Master Comp Molar Flow (Methanol) (kgmole/h)	1.2630 *	0.0403 *	2.4574	0.0221	0.3239
Master Comp Molar Flow (CH3I) (kgmole/h)	120.7531 *	2.6567 *	240.6611	1.0594	21.2906
Master Comp Molar Flow (M-Acetate) (kgmole/h)	15.8897 *	0.6085 *	31.6412	0.4811	4.8760
Master Comp Molar Flow (AceticAcid) (kgmole/h)	85.3996 *	43.0961 *	157.5191	111.9541	343.4269
Master Comp Molar Flow (H2O) (kgmole/h)	261.1612 *	23.5562 *	517.6620	33.6206	188.8388
Master Comp Molar Flow (HI) (kgmole/h)	0.3454 *	0.0031 *	0.8632	0.0002	0.0251
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0381 *	0.0310 *	0.0739	0.1001	0.2451
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21009*	22009	22003*	22008	22300
Vapour Fraction	0.8461	0.0000	0.0000	1.0000	0.0000
Temperature (C)	127.5 *	176.6	176.6	150.4	5.000 *
Pressure (bar)	2.300 *	9.630 *	9.630	2.100	2.000 *
Molar Flow (kgmole/h)	1121 *	559.1	60.38	979.9	1000 *
Master Comp Mole Frac (Hydrogen)	0.0012 *	0.0000	0.0000	0.0014	0.0000 *
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Nitrogen)	0.0031 *	0.0000	0.0000	0.0036	0.0000 *
Master Comp Mole Frac (CO)	0.0088 *	0.0000	0.0000	0.0104	0.0000 *
Master Comp Mole Frac (CO2)	0.0034 *	0.0001	0.0001	0.0046	0.0000 *
Master Comp Mole Frac (Methanol)	0.0013 *	0.0006	0.0006	0.0026	0.0000 *
Master Comp Mole Frac (CH3I)	0.1245 *	0.0381	0.0381	0.2503	0.0000 *
Master Comp Mole Frac (M-Acetate)	0.0183 *	0.0087	0.0087	0.0324	0.0000 *
Master Comp Mole Frac (AceticAcid)	0.4322 *	0.6143	0.6143	0.1643	0.0000 *
Master Comp Mole Frac (H2O)	0.4063 *	0.3378	0.3378	0.5289	1.0000 *
Master Comp Mole Frac (HI)	0.0005 *	0.0000	0.0000	0.0014	0.0000 *
Master Comp Mole Frac (C3oicAcid)	0.0003 *	0.0004	0.0004	0.0001	0.0000 *
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Hydrogen) (kgmole/h)	1.4000 *	0.0012	0.0001	1.4004	0.0000 *
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Nitrogen) (kgmole/h)	3.5000 *	0.0070	0.0008	3.5225	0.0000 *
Master Comp Molar Flow (CO) (kgmole/h)	9.9001 *	0.0132	0.0014	10.1877	0.0000 *
Master Comp Molar Flow (CO2) (kgmole/h)	3.8000 *	0.0429	0.0046	4.5178	0.0000 *
Master Comp Molar Flow (Methanol) (kgmole/h)	1.5000 *	0.3239	0.0350	2.5152	0.0000 *
Master Comp Molar Flow (CH3I) (kgmole/h)	139.6012 *	21.2906	2.2994	245.2880	0.0000 *
Master Comp Molar Flow (M-Acetate) (kgmole/h)	20.5002 *	4.8760	0.5266	31.7701	0.0000 *
Master Comp Molar Flow (AceticAcid) (kgmole/h)	484.4043 *	343.4269	37.0901	161.0071	0.0000 *
Master Comp Molar Flow (H2O) (kgmole/h)	455.4041 *	188.8388	20.3946	518.2058	1000.0000 *
Master Comp Molar Flow (HI) (kgmole/h)	0.5400 *	0.0251	0.0027	1.3831	0.0000 *
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.3500 *	0.2451	0.0265	0.0739	0.0000 *
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22008*	22301	22010	22011*	22012
Vapour Fraction	1.0000	0.0000	1.0000	1.0000	0.0000
Temperature (C)	114.0 *	29.31	69.50 *	16.56	16.56
Pressure (bar)	2.100	2.000	2.100 *	2.100	2.100
Molar Flow (kgmole/h)	979.9	1000	146.0 *	24.44	121.5
Master Comp Mole Frac (Hydrogen)	0.0014	0.0000	0.0096 *	0.0573	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0036	0.0000	0.0242 *	0.1437	0.0002
Master Comp Mole Frac (CO)	0.0104	0.0000	0.0699 *	0.4160	0.0003
Master Comp Mole Frac (CO2)	0.0046	0.0000	0.0347 *	0.1737	0.0068
Master Comp Mole Frac (Methanol)	0.0026	0.0000	0.0007 *	0.0000	0.0009
Master Comp Mole Frac (CH3I)	0.2503	0.0000	0.6584 *	0.1672	0.7571
Master Comp Mole Frac (M-Acetate)	0.0324	0.0000	0.0394 *	0.0051	0.0464
Master Comp Mole Frac (AceticAcid)	0.1643	0.0000	0.0126 *	0.0001	0.0151
Master Comp Mole Frac (H2O)	0.5289	1.0000	0.1383 *	0.0094	0.1643
Master Comp Mole Frac (HI)	0.0014	0.0000	0.0121 *	0.0276	0.0090
Master Comp Mole Frac (C3oicAcid)	0.0001	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	1.4004	0.0000	1.4007 *	1.3996	0.0011
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	3.5225	0.0000	3.5302 *	3.5116	0.0187
Master Comp Molar Flow (CO) (kgmole/h)	10.1877	0.0000	10.2055 *	10.1666	0.0389
Master Comp Molar Flow (CO2) (kgmole/h)	4.5178	0.0000	5.0687 *	4.2445	0.8241
Master Comp Molar Flow (Methanol) (kgmole/h)	2.5152	0.0000	0.1063 *	0.0005	0.1058
Master Comp Molar Flow (CH3I) (kgmole/h)	245.2880	0.0000	96.1046 *	4.0852	92.0194
Master Comp Molar Flow (M-Acetate) (kgmole/h)	31.7701	0.0000	5.7586 *	0.1241	5.6345
Master Comp Molar Flow (AceticAcid) (kgmole/h)	161.0071	0.0000	1.8407 *	0.0021	1.8385
Master Comp Molar Flow (H2O) (kgmole/h)	518.2058	1000.0000	20.1936 *	0.2307	19.9629
Master Comp Molar Flow (HI) (kgmole/h)	1.3831	0.0000	1.7680 *	0.6751	1.0929
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0739	0.0000	0.0008 *	0.0000	0.0008
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22026	22026*	22038*	22010**	22006*
Vapour Fraction	0.0000	0.0000	0.8999	1.0000	0.0000
Temperature (C)	40.00 *	16.36	108.8	69.50	69.50
Pressure (bar)	5.200 *	2.100	2.100	2.100	2.100
Molar Flow (kgmole/h)	4.300 *	125.8	1106	147.0	958.7
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0013	0.0095	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000 *	0.0001	0.0032	0.0240	0.0000
Master Comp Mole Frac (CO)	0.0000 *	0.0003	0.0092	0.0694	0.0000
Master Comp Mole Frac (CO2)	0.0000 *	0.0065	0.0048	0.0346	0.0003
Master Comp Mole Frac (Methanol)	0.0000 *	0.0008	0.0024	0.0007	0.0026
Master Comp Mole Frac (CH3I)	0.0000 *	0.7313	0.3051	0.6591	0.2508
Master Comp Mole Frac (M-Acetate)	0.0000 *	0.0448	0.0338	0.0395	0.0330
Master Comp Mole Frac (AceticAcid)	1.0000 *	0.0488	0.1512	0.0126	0.1724
Master Comp Mole Frac (H2O)	0.0000 *	0.1586	0.4867	0.1384	0.5401
Master Comp Mole Frac (HI)	0.0000 *	0.0087	0.0022	0.0122	0.0007
Master Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0001	0.0000	0.0001
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000 *	0.0011	1.4015	1.4010	0.0005
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000 *	0.0187	3.5412	3.5308	0.0104
Master Comp Molar Flow (CO) (kgmole/h)	0.0000 *	0.0389	10.2267	10.2069	0.0198
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000 *	0.8241	5.3419	5.0843	0.2577
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000 *	0.1058	2.6210	0.1069	2.5141
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000 *	92.0194	337.3075	96.8997	240.4078
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000 *	5.6345	37.4045	5.8000	31.6045
Master Comp Molar Flow (AceticAcid) (kgmole/h)	4.3000 *	6.1385	167.1457	1.8493	165.2964
Master Comp Molar Flow (H2O) (kgmole/h)	0.0000 *	19.9629	538.1687	20.3431	517.8257
Master Comp Molar Flow (HI) (kgmole/h)	0.0000 *	1.0929	2.4760	1.7973	0.6787
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000 *	0.0008	0.0747	0.0008	0.0739
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22006	22007	22002*	22001	22002/
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	69.50	69.50	69.50	69.50	69.63
Pressure (bar)	2.100	2.100	2.100	2.100	7.700 *
Molar Flow (kgmole/h)	184.7	773.9	478.5	295.4	478.5
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0003	0.0003	0.0003	0.0003	0.0003
Master Comp Mole Frac (Methanol)	0.0026	0.0026	0.0026	0.0026	0.0026
Master Comp Mole Frac (CH3I)	0.2508	0.2508	0.2508	0.2508	0.2508
Master Comp Mole Frac (M-Acetate)	0.0330	0.0330	0.0330	0.0330	0.0330
Master Comp Mole Frac (AceticAcid)	0.1724	0.1724	0.1724	0.1724	0.1724
Master Comp Mole Frac (H2O)	0.5401	0.5401	0.5401	0.5401	0.5401
Master Comp Mole Frac (HI)	0.0007	0.0007	0.0007	0.0007	0.0007
Master Comp Mole Frac (C3oicAcid)	0.0001	0.0001	0.0001	0.0001	0.0001
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0001	0.0004	0.0003	0.0002	0.0003
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0020	0.0084	0.0052	0.0032	0.0052
Master Comp Molar Flow (CO) (kgmole/h)	0.0038	0.0160	0.0099	0.0061	0.0099
Master Comp Molar Flow (CO2) (kgmole/h)	0.0497	0.2080	0.1286	0.0794	0.1286
Master Comp Molar Flow (Methanol) (kgmole/h)	0.4845	2.0297	1.2549	0.7747	1.2549
Master Comp Molar Flow (CH3I) (kgmole/h)	46.3266	194.0812	120.0004	74.0808	120.0004
Master Comp Molar Flow (M-Acetate) (kgmole/h)	6.0902	25.5143	15.7755	9.7388	15.7755
Master Comp Molar Flow (AceticAcid) (kgmole/h)	31.8526	133.4438	82.5083	50.9355	82.5083
Master Comp Molar Flow (H2O) (kgmole/h)	99.7850	418.0407	258.4745	159.5661	258.4745
Master Comp Molar Flow (HI) (kgmole/h)	0.1308	0.5479	0.3388	0.2091	0.3388
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0142	0.0596	0.0369	0.0228	0.0369
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22023	22018	22022	22025	22019
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	1.0000
Temperature (C)	176.6	174.6	62.16 *	32.20 *	133.4
Pressure (bar)	9.630	9.400	10.50 *	3.300 *	2.700
Molar Flow (kgmole/h)	498.7	509.8	343.3 *	1.800 *	629.5
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (CO2)	0.0001	0.0001	0.0001 *	0.0000 *	0.0001
Master Comp Mole Frac (Methanol)	0.0006	0.0006	0.0073 *	1.0000 *	0.0073
Master Comp Mole Frac (CH3I)	0.0381	0.0373	0.0664 *	0.0000 *	0.0664
Master Comp Mole Frac (M-Acetate)	0.0087	0.0085	0.0152 *	0.0000 *	0.0152
Master Comp Mole Frac (AceticAcid)	0.6143	0.6206	0.3187 *	0.0000 *	0.3187
Master Comp Mole Frac (H2O)	0.3378	0.3324	0.5920 *	0.0000 *	0.5920
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0001 *	0.0000 *	0.0001
Master Comp Mole Frac (C3oicAcid)	0.0004	0.0004	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0011	0.0011	0.0013 *	0.0000 *	0.0024
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0063	0.0063	0.0075 *	0.0000 *	0.0138
Master Comp Molar Flow (CO) (kgmole/h)	0.0118	0.0118	0.0141 *	0.0000 *	0.0259
Master Comp Molar Flow (CO2) (kgmole/h)	0.0383	0.0383	0.0459 *	0.0000 *	0.0842
Master Comp Molar Flow (Methanol) (kgmole/h)	0.2889	0.2903	2.5067 *	1.8000 *	4.5970
Master Comp Molar Flow (CH3I) (kgmole/h)	18.9912	19.0018	22.7876 *	0.0000 *	41.7894
Master Comp Molar Flow (M-Acetate) (kgmole/h)	4.3494	4.3591	5.2276 *	0.0000 *	9.5867
Master Comp Molar Flow (AceticAcid) (kgmole/h)	306.3368	316.4261	109.4123 *	0.0000 *	200.6448
Master Comp Molar Flow (H2O) (kgmole/h)	168.4442	169.4651	203.2294 *	0.0000 *	372.6945
Master Comp Molar Flow (HI) (kgmole/h)	0.0224	0.0224	0.0269 *	0.0000 *	0.0493
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.2186	0.2186	0.0067 *	0.0000 *	0.0123
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22020*	22019*	22302	22303	VAP
Vapour Fraction	0.0000	0.0000	0.0000	0.7868	1.0000
Temperature (C)	160.0	62.00 *	0.0000 *	64.68	62.00
Pressure (bar)	3.300	2.700	0.2500 *	0.2500	2.700
Molar Flow (kgmole/h)	225.4	629.5	700.0 *	700.0	0.0000
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0001	0.0000 *	0.0000	0.0001
Master Comp Mole Frac (Methanol)	0.0000	0.0073	0.0000 *	0.0000	0.0074
Master Comp Mole Frac (CH3I)	0.0000	0.0664	0.0000 *	0.0000	0.0661
Master Comp Mole Frac (M-Acetate)	0.0000	0.0152	0.0000 *	0.0000	0.0152
Master Comp Mole Frac (AceticAcid)	0.9991	0.3187	0.0000 *	0.0000	0.3212
Master Comp Mole Frac (H2O)	0.0000	0.5920	1.0000 *	1.0000	0.5898
Master Comp Mole Frac (HI)	0.0000	0.0001	0.0000 *	0.0000	0.0001
Master Comp Mole Frac (C3oicAcid)	0.0009	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0024	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0138	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0259	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0842	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000	4.5970	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	41.7894	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	9.5867	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	225.1937	200.6448	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (H2O) (kgmole/h)	0.0000	372.6945	700.0000 *	700.0000	0.0000
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0493	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.2130	0.0123	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22021	22021*	22022*	22014	22080
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	62.00	62.16	62.16	62.16	62.76
Pressure (bar)	2.700	10.50 *	10.50	10.50	2.100
Molar Flow (kgmole/h)	629.5	629.5	343.3	286.2	581.7
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0001	0.0001	0.0001	0.0001	0.0002
Master Comp Mole Frac (Methanol)	0.0073	0.0073	0.0073	0.0073	0.0049
Master Comp Mole Frac (CH3I)	0.0664	0.0664	0.0664	0.0664	0.1600
Master Comp Mole Frac (M-Acetate)	0.0152	0.0152	0.0152	0.0152	0.0242
Master Comp Mole Frac (AceticAcid)	0.3187	0.3187	0.3187	0.3187	0.2444
Master Comp Mole Frac (H2O)	0.5920	0.5920	0.5920	0.5920	0.5657
Master Comp Mole Frac (HI)	0.0001	0.0001	0.0001	0.0001	0.0004
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0024	0.0024	0.0013	0.0011	0.0013
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0138	0.0138	0.0075	0.0063	0.0095
Master Comp Molar Flow (CO) (kgmole/h)	0.0259	0.0259	0.0141	0.0118	0.0179
Master Comp Molar Flow (CO2) (kgmole/h)	0.0842	0.0842	0.0459	0.0383	0.1177
Master Comp Molar Flow (Methanol) (kgmole/h)	4.5970	4.5970	2.5067	2.0902	2.8650
Master Comp Molar Flow (CH3I) (kgmole/h)	41.7894	41.7894	22.7878	19.0016	93.0824
Master Comp Molar Flow (M-Acetate) (kgmole/h)	9.5867	9.5867	5.2276	4.3591	14.0979
Master Comp Molar Flow (AceticAcid) (kgmole/h)	200.6448	200.6448	109.4116	91.2332	142.1687
Master Comp Molar Flow (H2O) (kgmole/h)	372.6945	372.6945	203.2303	169.4642	329.0303
Master Comp Molar Flow (HI) (kgmole/h)	0.0493	0.0493	0.0269	0.0224	0.2316
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0123	0.0123	0.0067	0.0056	0.0283
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22157	21006*	21007*	21083	21017*
Vapour Fraction	0.0000	1.0000	0.0000	0.0000	0.0000
Temperature (C)	62.91	24.00	24.00	32.60	32.60
Pressure (bar)	10.00 *	15.00	15.00	33.00	33.00
Molar Flow (kgmole/h)	581.7	44.70	26.37	1.749	316.2
Master Comp Mole Frac (Hydrogen)	0.0000	0.0001	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0204	0.0000	0.0010	0.0010
Master Comp Mole Frac (CO)	0.0000	0.9582	0.0010	0.0000	0.0000
Master Comp Mole Frac (CO2)	0.0002	0.0003	0.0000	0.0000	0.0000
Master Comp Mole Frac (Methanol)	0.0049	0.0015	0.2846	0.9980	0.9980
Master Comp Mole Frac (CH3I)	0.1600	0.0164	0.1061	0.0000	0.0000
Master Comp Mole Frac (M-Acetate)	0.0242	0.0013	0.0182	0.0000	0.0000
Master Comp Mole Frac (AceticAcid)	0.2444	0.0003	0.1916	0.0000	0.0000
Master Comp Mole Frac (H2O)	0.5657	0.0012	0.3982	0.0009	0.0009
Master Comp Mole Frac (HI)	0.0004	0.0002	0.0002	0.0000	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0001	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0001	0.0001
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0013	0.0033	0.0000	0.0000	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0095	0.9120	0.0012	0.0018	0.3293
Master Comp Molar Flow (CO) (kgmole/h)	0.0179	42.8305	0.0275	0.0000	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.1177	0.0143	0.0006	0.0000	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	2.8650	0.0666	7.5054	1.7453	315.5796
Master Comp Molar Flow (CH3I) (kgmole/h)	93.0824	0.7349	2.7976	0.0000	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	14.0979	0.0577	0.4799	0.0000	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	142.1687	0.0156	5.0535	0.0000	0.0000
Master Comp Molar Flow (H2O) (kgmole/h)	329.0303	0.0554	10.5017	0.0016	0.2812
Master Comp Molar Flow (HI) (kgmole/h)	0.2316	0.0088	0.0041	0.0000	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0283	0.0000	0.0026	0.0000	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000	0.0005	0.0001	0.0221
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21027	21013*	21017**	22375	22038***
Vapour Fraction	0.0000	0.0000	0.0000	0.0000	0.1330
Temperature (C)	32.60	32.60	32.60	0.0000 *	69.50 *
Pressure (bar)	33.00 *	33.00	33.00	1.000e-002 *	2.100
Molar Flow (kgmole/h)	318.0	210.8	105.4	1000 *	1106
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000 *	0.0013
Master Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Nitrogen)	0.0010	0.0010	0.0010	0.0000 *	0.0032
Master Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000 *	0.0092
Master Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000 *	0.0048
Master Comp Mole Frac (Methanol)	0.9980	0.9980	0.9980	0.0000 *	0.0024
Master Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000 *	0.3051
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000 *	0.0338
Master Comp Mole Frac (AceticAcid)	0.0000	0.0000	0.0000	0.0000 *	0.1512
Master Comp Mole Frac (H2O)	0.0009	0.0009	0.0009	1.0000 *	0.4867
Master Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000 *	0.0022
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000 *	0.0001
Master Comp Mole Frac (Ethanol)	0.0001	0.0001	0.0001	0.0000 *	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	1.4015
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.3312	0.2195	0.1098	0.0000 *	3.5412
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	10.2267
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	5.3419
Master Comp Molar Flow (Methanol) (kgmole/h)	317.3248	210.3653	105.2142	0.0000 *	2.6210
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	337.3075
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	37.4045
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	167.1457
Master Comp Molar Flow (H2O) (kgmole/h)	0.2827	0.1874	0.0937	1000.0000 *	538.1687
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	2.4760
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0747
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0222	0.0147	0.0074	0.0000 *	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000	0.0000	0.0000 *	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22376	22370	22371	2201000	2103*
Vapour Fraction	0.7015	0.0000	0.1777	0.1674	0.2300
Temperature (C)	6.526	5.000 *	6.523	16.56 *	122.6 *
Pressure (bar)	1.000e-002	1.000e-002 *	1.000e-002	2.100	2.300 *
Molar Flow (kgmole/h)	1000	500.0 *	500.0	146.0	4390
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000	0.0096	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000	0.0242	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000 *	0.0000	0.0699	0.0001
Master Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0000	0.0347	0.0000
Master Comp Mole Frac (Methanol)	0.0000	0.0000 *	0.0000	0.0007	0.1365
Master Comp Mole Frac (CH3I)	0.0000	0.0000 *	0.0000	0.6584	0.0104
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000 *	0.0000	0.0394	0.0035
Master Comp Mole Frac (AceticAcid)	0.0000	0.0000 *	0.0000	0.0126	0.3910
Master Comp Mole Frac (H2O)	1.0000	1.0000 *	1.0000	0.1383	0.4582
Master Comp Mole Frac (HI)	0.0000	0.0000 *	0.0000	0.0121	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000 *	0.0000	0.0000	0.0002
Master Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000 *	0.0000	1.4007	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000 *	0.0000	3.5302	0.0226
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000 *	0.0000	10.2055	0.6011
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000 *	0.0000	5.0687	0.0050
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000	0.0000 *	0.0000	0.1063	599.2434
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000 *	0.0000	96.1046	45.7862
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000 *	0.0000	5.7586	15.1887
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000	0.0000 *	0.0000	1.8407	1716.3067
Master Comp Molar Flow (H2O) (kgmole/h)	1000.0000	500.0000 *	500.0000	20.1936	2011.4143
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000 *	0.0000	1.7680	0.0335
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0008	0.8636
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0521
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21001	21005.	TO FLARE	21006	23004.
Vapour Fraction	1.0000	1.0000	1.0000	1.0000	0.0000
Temperature (C)	32.20 *	87.84	87.84	48.70 *	138.8
Pressure (bar)	32.00 *	2.300	2.300	28.60 *	2.200
Molar Flow (kgmole/h)	365.6 *	71.07	521.2	44.70	149.1
Master Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0001	0.0000
Master Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Nitrogen)	0.0200 *	0.0128	0.0128	0.0204	0.0000
Master Comp Mole Frac (CO)	0.9800 *	0.6030	0.6030	0.9582	0.0000
Master Comp Mole Frac (CO2)	0.0000 *	0.0002	0.0002	0.0003	0.0000
Master Comp Mole Frac (Methanol)	0.0000 *	0.1065	0.1065	0.0015	0.0006
Master Comp Mole Frac (CH3I)	0.0000 *	0.0497	0.0497	0.0164	0.0047
Master Comp Mole Frac (M-Acetate)	0.0000 *	0.0076	0.0076	0.0013	0.0043
Master Comp Mole Frac (AceticAcid)	0.0000 *	0.0713	0.0713	0.0003	0.9448
Master Comp Mole Frac (H2O)	0.0000 *	0.1485	0.1485	0.0012	0.0456
Master Comp Mole Frac (HI)	0.0000 *	0.0002	0.0002	0.0002	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000 *	0.0033	0.0244	0.0033	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	7.3000 *	0.9132	6.6970	0.9120	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	358.3000 *	42.8580	314.2917	42.8305	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000 *	0.0148	0.1088	0.0143	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000 *	7.5720	55.5283	0.0666	0.0867
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000 *	3.5325	25.9052	0.7349	0.7075
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000 *	0.5377	3.9430	0.0577	0.6448
Master Comp Molar Flow (AceticAcid) (kgmole/h)	0.0000 *	5.0692	37.1740	0.0156	140.9138
Master Comp Molar Flow (H2O) (kgmole/h)	0.0000 *	10.5571	77.4186	0.0554	6.7953
Master Comp Molar Flow (HI) (kgmole/h)	0.0000 *	0.0129	0.0948	0.0088	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0000 *	0.0026	0.0190	0.0000	0.0001
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000 *	0.0005	0.0038	0.0000	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000 *	0.0000	0.0000	0.0000	0.0000

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	22069.	22071	22013.	21300	21301
Vapour Fraction	1.0000	0.0000	0.0000	0.0000	0.0000
Temperature (C)	144.8	95.00 *	70.35	5.000 *	22.64
Pressure (bar)	2.200	5.200 *	39.90 *	15.00 *	1.000 *
Molar Flow (kgmole/h)	10.30	0.2300 *	184.7	1000 *	1000
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (CO)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0003	0.0000 *	0.0000
Master Comp Mole Frac (Methanol)	0.0000	0.0000 *	0.0026	0.0000 *	0.0000
Master Comp Mole Frac (CH3I)	0.0000	0.0000 *	0.2508	0.0000 *	0.0000
Master Comp Mole Frac (M-Acetate)	0.0000	0.0000 *	0.0330	0.0000 *	0.0000
Master Comp Mole Frac (AceticAcid)	0.9453	0.0000 *	0.1724	0.0000 *	0.0000
Master Comp Mole Frac (H2O)	0.0219	1.0000 *	0.5401	1.0000 *	1.0000
Master Comp Mole Frac (HI)	0.0000	0.0000 *	0.0007	0.0000 *	0.0000
Master Comp Mole Frac (C3oicAcid)	0.0328	0.0000 *	0.0001	0.0000 *	0.0000
Master Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0000	0.0000 *	0.0001	0.0000 *	0.0000
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.0000	0.0000 *	0.0020	0.0000 *	0.0000
Master Comp Molar Flow (CO) (kgmole/h)	0.0000	0.0000 *	0.0038	0.0000 *	0.0000
Master Comp Molar Flow (CO2) (kgmole/h)	0.0000	0.0000 *	0.0497	0.0000 *	0.0000
Master Comp Molar Flow (Methanol) (kgmole/h)	0.0000	0.0000 *	0.4845	0.0000 *	0.0000
Master Comp Molar Flow (CH3I) (kgmole/h)	0.0000	0.0000 *	46.3266	0.0000 *	0.0000
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.0000	0.0000 *	6.0902	0.0000 *	0.0000
Master Comp Molar Flow (AceticAcid) (kgmole/h)	9.7369	0.0000 *	31.8526	0.0000 *	0.0000
Master Comp Molar Flow (H2O) (kgmole/h)	0.2252	0.2300 *	99.7850	1000.0000 *	1000.0000
Master Comp Molar Flow (HI) (kgmole/h)	0.0000	0.0000 *	0.1308	0.0000 *	0.0000
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.3379	0.0000 *	0.0142	0.0000 *	0.0000
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Material Streams (continued)

Fluid Pkg: All

Name	21005*	1	21018		
Vapour Fraction	0.6289	0.0000	0.0000		
Temperature (C)	24.00 *	20.00 *	147.4 *		
Pressure (bar)	15.00 *	31.00 *	31.00 *		
Molar Flow (kgmole/h)	71.07	105.4 *	105.4		
Master Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000		
Master Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000		
Master Comp Mole Frac (Nitrogen)	0.0128	0.0010 *	0.0010		
Master Comp Mole Frac (CO)	0.6030	0.0000 *	0.0000		
Master Comp Mole Frac (CO2)	0.0002	0.0000 *	0.0000		
Master Comp Mole Frac (Methanol)	0.1065	0.9980 *	0.9980		
Master Comp Mole Frac (CH3I)	0.0497	0.0000 *	0.0000		
Master Comp Mole Frac (M-Acetate)	0.0076	0.0000 *	0.0000		
Master Comp Mole Frac (AceticAcid)	0.0713	0.0000 *	0.0000		
Master Comp Mole Frac (H2O)	0.1485	0.0009 *	0.0009		
Master Comp Mole Frac (HI)	0.0002	0.0000 *	0.0000		
Master Comp Mole Frac (C3oicAcid)	0.0000	0.0000 *	0.0000		
Master Comp Mole Frac (Ethanol)	0.0000	0.0001 *	0.0001		
Master Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000		
Master Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000		
Master Comp Molar Flow (Hydrogen) (kgmole/h)	0.0033	0.0000 *	0.0000		
Master Comp Molar Flow (Methane) (kgmole/h)	0.0000	0.0000 *	0.0000		
Master Comp Molar Flow (Nitrogen) (kgmole/h)	0.9132	0.1098 *	0.1098		
Master Comp Molar Flow (CO) (kgmole/h)	42.8580	0.0000 *	0.0000		
Master Comp Molar Flow (CO2) (kgmole/h)	0.0148	0.0000 *	0.0000		
Master Comp Molar Flow (Methanol) (kgmole/h)	7.5720	105.2142 *	105.2142		
Master Comp Molar Flow (CH3I) (kgmole/h)	3.5325	0.0000 *	0.0000		
Master Comp Molar Flow (M-Acetate) (kgmole/h)	0.5377	0.0000 *	0.0000		
Master Comp Molar Flow (AceticAcid) (kgmole/h)	5.0692	0.0000 *	0.0000		
Master Comp Molar Flow (H2O) (kgmole/h)	10.5571	0.0937 *	0.0937		
Master Comp Molar Flow (HI) (kgmole/h)	0.0129	0.0000 *	0.0000		
Master Comp Molar Flow (C3oicAcid) (kgmole/h)	0.0026	0.0000 *	0.0000		
Master Comp Molar Flow (Ethanol) (kgmole/h)	0.0005	0.0074 *	0.0074		
Master Comp Molar Flow (KOH*) (kgmole/h)	0.0000	0.0000 *	0.0000		
Master Comp Molar Flow (Rh*) (kgmole/h)	0.0000	0.0000 *	0.0000		

* Specified by user.

Workbook: Case (Main) (continued)

Compositions

Fluid Pkg: All

Name	21002	21003*	21003	2101124	21005
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0020 *	0.9315	0.0010	0.0000	0.0128
Comp Mole Frac (CO)	0.0000 *	0.0000	0.0000	0.0000	0.6030
Comp Mole Frac (CO2)	0.0000 *	0.0000	0.0000	0.0001	0.0002
Comp Mole Frac (Methanol)	0.9970 *	0.0685	0.9980	0.0020	0.1065
Comp Mole Frac (CH3I)	0.0000 *	0.0000	0.0000	0.0742	0.0497
Comp Mole Frac (M-Acetate)	0.0000 *	0.0000	0.0000	0.0155	0.0076
Comp Mole Frac (AceticAcid)	0.0000 *	0.0000	0.0000	0.2052	0.0713
Comp Mole Frac (H2O)	0.0009 *	0.0000	0.0009	0.7028	0.1485
Comp Mole Frac (HI)	0.0000 *	0.0000	0.0000	0.0002	0.0002
Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0001 *	0.0000	0.0001	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000

Name	21008	22013	22015	21012	21014*
Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000 *	0.0010	0.0003
Comp Mole Frac (CO)	0.0001	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0003 *	0.0001 *	0.0000	0.0001
Comp Mole Frac (Methanol)	0.1412	0.0026 *	0.0018 *	0.9980	0.2985
Comp Mole Frac (CH3I)	0.0105	0.2508 *	0.0160 *	0.0000	0.0521
Comp Mole Frac (M-Acetate)	0.0035	0.0330 *	0.0098 *	0.0000	0.0109
Comp Mole Frac (AceticAcid)	0.3782	0.1724 *	0.2159 *	0.0000	0.1441
Comp Mole Frac (H2O)	0.4662	0.5401 *	0.7563 *	0.0009	0.4939
Comp Mole Frac (HI)	0.0000	0.0007 *	0.0000 *	0.0000	0.0001
Comp Mole Frac (C3oicAcid)	0.0002	0.0001 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000 *	0.0001	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000 *	0.0000	0.0000

Name	21007	21010	22004	2103	21009
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO)	0.0010 *	0.0000 *	0.0000 *	0.0001	0.0006
Comp Mole Frac (CO2)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methanol)	0.2846 *	0.1001 *	0.0001 *	0.1365	0.2475
Comp Mole Frac (CH3I)	0.1061 *	0.0047 *	0.0072 *	0.0104	0.0317
Comp Mole Frac (M-Acetate)	0.0182 *	0.0021 *	0.0033 *	0.0035	0.0083
Comp Mole Frac (AceticAcid)	0.1916 *	0.4401 *	0.7604 *	0.3910	0.2466
Comp Mole Frac (H2O)	0.3982 *	0.4527 *	0.2283 *	0.4582	0.4651
Comp Mole Frac (HI)	0.0002 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0001 *	0.0002 *	0.0007 *	0.0002	0.0001
Comp Mole Frac (Ethanol)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000 *	0.0000 *	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	21010.	23010	23012	23013	23008
Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0001	0.0000	0.0000 *
Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0207	0.0002	0.0000 *
Comp Mole Frac (CO)	0.0000	0.0000 *	0.9757	0.0070	0.0000 *
Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0003	0.0001	0.0000 *
Comp Mole Frac (Methanol)	0.1034	0.0005 *	0.0000	0.0023	0.0005 *
Comp Mole Frac (CH3I)	0.0041	0.0047 *	0.0003	0.0241	0.0047 *
Comp Mole Frac (M-Acetate)	0.0020	0.0041 *	0.0001	0.0055	0.0041 *
Comp Mole Frac (AceticAcid)	0.4341	0.9473 *	0.0026	0.9173	0.9473 *
Comp Mole Frac (H2O)	0.4562	0.0433 *	0.0003	0.0432	0.0433 *
Comp Mole Frac (HI)	0.0000	0.0000 *	0.0000	0.0002	0.0000 *
Comp Mole Frac (C3oicAcid)	0.0002	0.0000 *	0.0000	0.0000	0.0000 *
Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *
Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000	0.0000 *

Name	23010.	23009.	23370	23372	23009
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methanol)	0.0005	0.0005	0.0000 *	0.0000	0.0005
Comp Mole Frac (CH3I)	0.0047	0.0047	0.0000 *	0.0000	0.0047
Comp Mole Frac (M-Acetate)	0.0041	0.0041	0.0000 *	0.0000	0.0041
Comp Mole Frac (AceticAcid)	0.9473	0.9473	0.0000 *	0.0000	0.9473
Comp Mole Frac (H2O)	0.0433	0.0433	1.0000 *	1.0000	0.0433
Comp Mole Frac (HI)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000

Name	22011	23014	23001	23002	23011*
Comp Mole Frac (Hydrogen)	0.0578 *	0.0741	0.0000	0.0221	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.1450 *	0.1851	0.0001	0.0696	0.0001
Comp Mole Frac (CO)	0.4200 *	0.5371	0.0003	0.8452	0.0003
Comp Mole Frac (CO2)	0.1739 *	0.1895	0.0054	0.0566	0.0054
Comp Mole Frac (Methanol)	0.0000 *	0.0000	0.0005	0.0000	0.0005
Comp Mole Frac (CH3I)	0.1669 *	0.0016	0.0387	0.0006	0.0387
Comp Mole Frac (M-Acetate)	0.0051 *	0.0003	0.0050	0.0001	0.0050
Comp Mole Frac (AceticAcid)	0.0001 *	0.0105	0.9025	0.0049	0.9025
Comp Mole Frac (H2O)	0.0094 *	0.0014	0.0431	0.0006	0.0431
Comp Mole Frac (HI)	0.0218 *	0.0003	0.0045	0.0001	0.0045
Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	23011	23003	23004	23301	23006*
Comp Mole Frac (Hydrogen)	0.0000	0.0001	0.0000	0.0000 *	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (Nitrogen)	0.0002	0.0023	0.0000	0.0000 *	0.0000
Comp Mole Frac (CO)	0.0019	0.0281	0.0000	0.0000 *	0.0000
Comp Mole Frac (CO2)	0.0041	0.0603	0.0000	0.0000 *	0.0000
Comp Mole Frac (Methanol)	0.0010	0.0056	0.0006	0.0000 *	0.0006
Comp Mole Frac (CH3I)	0.0352	0.4492	0.0050	0.5000 *	0.0047
Comp Mole Frac (M-Acetate)	0.0051	0.0125	0.0046	0.0000 *	0.0043
Comp Mole Frac (AceticAcid)	0.9061	0.3386	0.9474	0.0000 *	0.9448
Comp Mole Frac (H2O)	0.0431	0.0528	0.0424	0.5000 *	0.0456
Comp Mole Frac (HI)	0.0034	0.0505	0.0000	0.0000 *	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000 *	0.0000

Name	23302	23006	23007*	23008*	22020
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Methanol)	0.0000	0.0006	0.0006	0.0006	0.0000 *
Comp Mole Frac (CH3I)	0.5000	0.0047	0.0047	0.0047	0.0000 *
Comp Mole Frac (M-Acetate)	0.0000	0.0043	0.0043	0.0043	0.0000 *
Comp Mole Frac (AceticAcid)	0.0000	0.9448	0.9448	0.9448	0.9904 *
Comp Mole Frac (H2O)	0.5000	0.0456	0.0456	0.0456	0.0087 *
Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0009 *
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000 *

Name	koh	22068*	22068	22067	22069
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (Nitrogen)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (CO)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (CO2)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (Methanol)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (CH3I)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (M-Acetate)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (AceticAcid)	0.0000 *	0.9898	0.9898	0.8977 *	0.9461 *
Comp Mole Frac (H2O)	0.9091 *	0.0093	0.0093	0.1023 *	0.0219 *
Comp Mole Frac (HI)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (C3oicAcid)	0.0000 *	0.0009	0.0009	0.0000 *	0.0320 *
Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *
Comp Mole Frac (KOH*)	0.0909 *	0.0001	0.0001	0.0000 *	0.0000 *
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000 *	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	22051	22064	22052	22065	22306
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (AceticAcid)	0.8967	0.9980	0.9409	0.9980	0.0000 *
Comp Mole Frac (H2O)	0.1033	0.0019	0.0001	0.0019	1.0000 *
Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0571	0.0000	0.0000 *
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0018	0.0000	0.0000 *
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000 *

Name	22307	22051*	22304	22305	VAP22051*
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (AceticAcid)	0.0000	0.8967	0.0000 *	0.0000	0.8967
Comp Mole Frac (H2O)	1.0000	0.1033	1.0000 *	1.0000	0.1033
Comp Mole Frac (HI)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000

Name	22066	22066*	22067*	22054	22060
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (AceticAcid)	0.8967	0.8967	0.8967	0.8967	0.8967
Comp Mole Frac (H2O)	0.1033	0.1033	0.1033	0.1033	0.1033
Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	22055	22053	22070	25009	25009*
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (AceticAcid)	0.8967	0.9409	0.5929	0.9980	0.9980
Comp Mole Frac (H2O)	0.1033	0.0001	0.0085	0.0019	0.0019
Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0571	0.3721	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0018	0.0265	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000

Name	22002	22003	22024	22004*	22009*
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000 *	0.0014	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000 *	0.0000 *	0.0036	0.0000	0.0000
Comp Mole Frac (CO)	0.0000 *	0.0000 *	0.0102	0.0000	0.0000
Comp Mole Frac (CO2)	0.0003 *	0.0001 *	0.0040	0.0000	0.0001
Comp Mole Frac (Methanol)	0.0026 *	0.0006 *	0.0025	0.0001	0.0006
Comp Mole Frac (CH3I)	0.2490 *	0.0380 *	0.2482	0.0072	0.0381
Comp Mole Frac (M-Acetate)	0.0328 *	0.0087 *	0.0326	0.0033	0.0087
Comp Mole Frac (AceticAcid)	0.1761 *	0.6157 *	0.1625	0.7604	0.6143
Comp Mole Frac (H2O)	0.5385 *	0.3365 *	0.5339	0.2283	0.3378
Comp Mole Frac (HI)	0.0007 *	0.0000 *	0.0009	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0001 *	0.0004 *	0.0001	0.0007	0.0004
Comp Mole Frac (Ethanol)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000 *	0.0000	0.0000	0.0000

Name	21009*	22009	22003*	22008	22300
Comp Mole Frac (Hydrogen)	0.0012 *	0.0000	0.0000	0.0014	0.0000 *
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Nitrogen)	0.0031 *	0.0000	0.0000	0.0036	0.0000 *
Comp Mole Frac (CO)	0.0088 *	0.0000	0.0000	0.0104	0.0000 *
Comp Mole Frac (CO2)	0.0034 *	0.0001	0.0001	0.0046	0.0000 *
Comp Mole Frac (Methanol)	0.0013 *	0.0006	0.0006	0.0026	0.0000 *
Comp Mole Frac (CH3I)	0.1245 *	0.0381	0.0381	0.2503	0.0000 *
Comp Mole Frac (M-Acetate)	0.0183 *	0.0087	0.0087	0.0324	0.0000 *
Comp Mole Frac (AceticAcid)	0.4322 *	0.6143	0.6143	0.1643	0.0000 *
Comp Mole Frac (H2O)	0.4063 *	0.3378	0.3378	0.5289	1.0000 *
Comp Mole Frac (HI)	0.0005 *	0.0000	0.0000	0.0014	0.0000 *
Comp Mole Frac (C3oicAcid)	0.0003 *	0.0004	0.0004	0.0001	0.0000 *
Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000 *

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	22008*	22301	22010	22011*	22012
Comp Mole Frac (Hydrogen)	0.0014	0.0000	0.0096 *	0.0573	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0036	0.0000	0.0242 *	0.1437	0.0002
Comp Mole Frac (CO)	0.0104	0.0000	0.0699 *	0.4160	0.0003
Comp Mole Frac (CO2)	0.0046	0.0000	0.0347 *	0.1737	0.0068
Comp Mole Frac (Methanol)	0.0026	0.0000	0.0007 *	0.0000	0.0009
Comp Mole Frac (CH3I)	0.2503	0.0000	0.6584 *	0.1672	0.7571
Comp Mole Frac (M-Acetate)	0.0324	0.0000	0.0394 *	0.0051	0.0464
Comp Mole Frac (AceticAcid)	0.1643	0.0000	0.0126 *	0.0001	0.0151
Comp Mole Frac (H2O)	0.5289	1.0000	0.1383 *	0.0094	0.1643
Comp Mole Frac (HI)	0.0014	0.0000	0.0121 *	0.0276	0.0090
Comp Mole Frac (C3oicAcid)	0.0001	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000

Name	22026	22026*	22038*	22010**	22006*
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0013	0.0095	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000 *	0.0001	0.0032	0.0240	0.0000
Comp Mole Frac (CO)	0.0000 *	0.0003	0.0092	0.0694	0.0000
Comp Mole Frac (CO2)	0.0000 *	0.0065	0.0048	0.0346	0.0003
Comp Mole Frac (Methanol)	0.0000 *	0.0008	0.0024	0.0007	0.0026
Comp Mole Frac (CH3I)	0.0000 *	0.7313	0.3051	0.6591	0.2508
Comp Mole Frac (M-Acetate)	0.0000 *	0.0448	0.0338	0.0395	0.0330
Comp Mole Frac (AceticAcid)	1.0000 *	0.0488	0.1512	0.0126	0.1724
Comp Mole Frac (H2O)	0.0000 *	0.1586	0.4867	0.1384	0.5401
Comp Mole Frac (HI)	0.0000 *	0.0087	0.0022	0.0122	0.0007
Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0001	0.0000	0.0001
Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000

Name	22006	22007	22002*	22001	22002/
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO2)	0.0003	0.0003	0.0003	0.0003	0.0003
Comp Mole Frac (Methanol)	0.0026	0.0026	0.0026	0.0026	0.0026
Comp Mole Frac (CH3I)	0.2508	0.2508	0.2508	0.2508	0.2508
Comp Mole Frac (M-Acetate)	0.0330	0.0330	0.0330	0.0330	0.0330
Comp Mole Frac (AceticAcid)	0.1724	0.1724	0.1724	0.1724	0.1724
Comp Mole Frac (H2O)	0.5401	0.5401	0.5401	0.5401	0.5401
Comp Mole Frac (HI)	0.0007	0.0007	0.0007	0.0007	0.0007
Comp Mole Frac (C3oicAcid)	0.0001	0.0001	0.0001	0.0001	0.0001
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	22023	22018	22022	22025	22019
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (CO2)	0.0001	0.0001	0.0001 *	0.0000 *	0.0001
Comp Mole Frac (Methanol)	0.0006	0.0006	0.0073 *	1.0000 *	0.0073
Comp Mole Frac (CH3I)	0.0381	0.0373	0.0664 *	0.0000 *	0.0664
Comp Mole Frac (M-Acetate)	0.0087	0.0085	0.0152 *	0.0000 *	0.0152
Comp Mole Frac (AceticAcid)	0.6143	0.6206	0.3187 *	0.0000 *	0.3187
Comp Mole Frac (H2O)	0.3378	0.3324	0.5920 *	0.0000 *	0.5920
Comp Mole Frac (HI)	0.0000	0.0000	0.0001 *	0.0000 *	0.0001
Comp Mole Frac (C3oicAcid)	0.0004	0.0004	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000 *	0.0000

Name	22020*	22019*	22302	22303	VAP
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (CO2)	0.0000	0.0001	0.0000 *	0.0000	0.0001
Comp Mole Frac (Methanol)	0.0000	0.0073	0.0000 *	0.0000	0.0074
Comp Mole Frac (CH3I)	0.0000	0.0664	0.0000 *	0.0000	0.0661
Comp Mole Frac (M-Acetate)	0.0000	0.0152	0.0000 *	0.0000	0.0152
Comp Mole Frac (AceticAcid)	0.9991	0.3187	0.0000 *	0.0000	0.3212
Comp Mole Frac (H2O)	0.0000	0.5920	1.0000 *	1.0000	0.5898
Comp Mole Frac (HI)	0.0000	0.0001	0.0000 *	0.0000	0.0001
Comp Mole Frac (C3oicAcid)	0.0009	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000 *	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000 *	0.0000	0.0000

Name	22021	22021*	22022*	22014	22080
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (CO2)	0.0001	0.0001	0.0001	0.0001	0.0002
Comp Mole Frac (Methanol)	0.0073	0.0073	0.0073	0.0073	0.0049
Comp Mole Frac (CH3I)	0.0664	0.0664	0.0664	0.0664	0.1600
Comp Mole Frac (M-Acetate)	0.0152	0.0152	0.0152	0.0152	0.0242
Comp Mole Frac (AceticAcid)	0.3187	0.3187	0.3187	0.3187	0.2444
Comp Mole Frac (H2O)	0.5920	0.5920	0.5920	0.5920	0.5657
Comp Mole Frac (HI)	0.0001	0.0001	0.0001	0.0001	0.0004
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	22157	21006*	21007*	21083	21017*
Comp Mole Frac (Hydrogen)	0.0000	0.0001	0.0000	0.0000	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0204	0.0000	0.0010	0.0010
Comp Mole Frac (CO)	0.0000	0.9582	0.0010	0.0000	0.0000
Comp Mole Frac (CO2)	0.0002	0.0003	0.0000	0.0000	0.0000
Comp Mole Frac (Methanol)	0.0049	0.0015	0.2846	0.9980	0.9980
Comp Mole Frac (CH3I)	0.1600	0.0164	0.1061	0.0000	0.0000
Comp Mole Frac (M-Acetate)	0.0242	0.0013	0.0182	0.0000	0.0000
Comp Mole Frac (AceticAcid)	0.2444	0.0003	0.1916	0.0000	0.0000
Comp Mole Frac (H2O)	0.5657	0.0012	0.3982	0.0009	0.0009
Comp Mole Frac (HI)	0.0004	0.0002	0.0002	0.0000	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0001	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000	0.0000	0.0001	0.0001
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000	0.0000

Name	21027	21013*	21017**	22375	22038***
Comp Mole Frac (Hydrogen)	0.0000	0.0000	0.0000	0.0000 *	0.0013
Comp Mole Frac (Methane)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (Nitrogen)	0.0010	0.0010	0.0010	0.0000 *	0.0032
Comp Mole Frac (CO)	0.0000	0.0000	0.0000	0.0000 *	0.0092
Comp Mole Frac (CO2)	0.0000	0.0000	0.0000	0.0000 *	0.0048
Comp Mole Frac (Methanol)	0.9980	0.9980	0.9980	0.0000 *	0.0024
Comp Mole Frac (CH3I)	0.0000	0.0000	0.0000	0.0000 *	0.3051
Comp Mole Frac (M-Acetate)	0.0000	0.0000	0.0000	0.0000 *	0.0338
Comp Mole Frac (AceticAcid)	0.0000	0.0000	0.0000	0.0000 *	0.1512
Comp Mole Frac (H2O)	0.0009	0.0009	0.0009	1.0000 *	0.4867
Comp Mole Frac (HI)	0.0000	0.0000	0.0000	0.0000 *	0.0022
Comp Mole Frac (C3oicAcid)	0.0000	0.0000	0.0000	0.0000 *	0.0001
Comp Mole Frac (Ethanol)	0.0001	0.0001	0.0001	0.0000 *	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000	0.0000	0.0000 *	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000	0.0000	0.0000 *	0.0000

Name	22376	22370	22371	2201000	2103*
Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000	0.0096	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000	0.0242	0.0000
Comp Mole Frac (CO)	0.0000	0.0000 *	0.0000	0.0699	0.0001
Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0000	0.0347	0.0000
Comp Mole Frac (Methanol)	0.0000	0.0000 *	0.0000	0.0007	0.1365
Comp Mole Frac (CH3I)	0.0000	0.0000 *	0.0000	0.6584	0.0104
Comp Mole Frac (M-Acetate)	0.0000	0.0000 *	0.0000	0.0394	0.0035
Comp Mole Frac (AceticAcid)	0.0000	0.0000 *	0.0000	0.0126	0.3910
Comp Mole Frac (H2O)	1.0000	1.0000 *	1.0000	0.1383	0.4582
Comp Mole Frac (HI)	0.0000	0.0000 *	0.0000	0.0121	0.0000
Comp Mole Frac (C3oicAcid)	0.0000	0.0000 *	0.0000	0.0000	0.0002
Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000	0.0000

* Specified by user.

Workbook: Case (Main) (continued)

Compositions (continued)

Fluid Pkg: All

Name	21001	21005.	TO FLARE	21006	23004.
Comp Mole Frac (Hydrogen)	0.0000 *	0.0000	0.0000	0.0001	0.0000
Comp Mole Frac (Methane)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Nitrogen)	0.0200 *	0.0128	0.0128	0.0204	0.0000
Comp Mole Frac (CO)	0.9800 *	0.6030	0.6030	0.9582	0.0000
Comp Mole Frac (CO2)	0.0000 *	0.0002	0.0002	0.0003	0.0000
Comp Mole Frac (Methanol)	0.0000 *	0.1065	0.1065	0.0015	0.0006
Comp Mole Frac (CH3I)	0.0000 *	0.0497	0.0497	0.0164	0.0047
Comp Mole Frac (M-Acetate)	0.0000 *	0.0076	0.0076	0.0013	0.0043
Comp Mole Frac (AceticAcid)	0.0000 *	0.0713	0.0713	0.0003	0.9448
Comp Mole Frac (H2O)	0.0000 *	0.1485	0.1485	0.0012	0.0456
Comp Mole Frac (HI)	0.0000 *	0.0002	0.0002	0.0002	0.0000
Comp Mole Frac (C3oicAcid)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Ethanol)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (KOH*)	0.0000 *	0.0000	0.0000	0.0000	0.0000
Comp Mole Frac (Rh*)	0.0000 *	0.0000	0.0000	0.0000	0.0000

Name	22069.	22071	22013.	21300	21301
Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (Nitrogen)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (CO)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (CO2)	0.0000	0.0000 *	0.0003	0.0000 *	0.0000
Comp Mole Frac (Methanol)	0.0000	0.0000 *	0.0026	0.0000 *	0.0000
Comp Mole Frac (CH3I)	0.0000	0.0000 *	0.2508	0.0000 *	0.0000
Comp Mole Frac (M-Acetate)	0.0000	0.0000 *	0.0330	0.0000 *	0.0000
Comp Mole Frac (AceticAcid)	0.9453	0.0000 *	0.1724	0.0000 *	0.0000
Comp Mole Frac (H2O)	0.0219	1.0000 *	0.5401	1.0000 *	1.0000
Comp Mole Frac (HI)	0.0000	0.0000 *	0.0007	0.0000 *	0.0000
Comp Mole Frac (C3oicAcid)	0.0328	0.0000 *	0.0001	0.0000 *	0.0000
Comp Mole Frac (Ethanol)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000
Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000	0.0000 *	0.0000

Name	21005*	1	21018		
Comp Mole Frac (Hydrogen)	0.0000	0.0000 *	0.0000		
Comp Mole Frac (Methane)	0.0000	0.0000 *	0.0000		
Comp Mole Frac (Nitrogen)	0.0128	0.0010 *	0.0010		
Comp Mole Frac (CO)	0.6030	0.0000 *	0.0000		
Comp Mole Frac (CO2)	0.0002	0.0000 *	0.0000		
Comp Mole Frac (Methanol)	0.1065	0.9980 *	0.9980		
Comp Mole Frac (CH3I)	0.0497	0.0000 *	0.0000		
Comp Mole Frac (M-Acetate)	0.0076	0.0000 *	0.0000		
Comp Mole Frac (AceticAcid)	0.0713	0.0000 *	0.0000		
Comp Mole Frac (H2O)	0.1485	0.0009 *	0.0009		
Comp Mole Frac (HI)	0.0002	0.0000 *	0.0000		
Comp Mole Frac (C3oicAcid)	0.0000	0.0000 *	0.0000		
Comp Mole Frac (Ethanol)	0.0000	0.0001 *	0.0001		
Comp Mole Frac (KOH*)	0.0000	0.0000 *	0.0000		
Comp Mole Frac (Rh*)	0.0000	0.0000 *	0.0000		

Energy Streams

Fluid Pkg: All

Name	e2301	e23006	e2205	E 2207	E P-2207
Heat Flow (kcal/h)	798.3	5052	2488	9.729e+006	1.435e+004

* Specified by user.

Workbook: Case (Main) (continued)

Energy Streams (continued)

Fluid Pkg: All

Name		E2211	03-E 2215	E 2201	E1	E P2202
Heat Flow	(kcal/h)	66.83	9.117e+004	1.563e+006	1690	3397
Name		E 2204	E P2204	E P2206	E 1	E 2
Heat Flow	(kcal/h)	5.484e+006	5618	5515	1.272e+004	1.242e+007
Name		E 4	E 11	e 1		
Heat Flow	(kcal/h)	7027	8852	4.897e+005		

Unit Ops

Operation Name	Operation Type	Feeds	Products	Ignored	Calc Level
03-d 2101	Tank	21002	21003	No	500.0 *
			21003*		
V-100	Tank	22051*	22066	No	500.0 *
			VAP22051*		
03-TK 2502 A-B	Tank	22065	25009*	No	500.0 *
			25009		
D 2207	Tank	22038***	22006*	No	500.0 *
			22010**		
V-101	Tank	22019*	22021	No	500.0 *
			VAP		
d-2103	Tank	2103*	21010.	No	500.0 *
			21009		
03-p-2301	Pump	23001	23011*	No	500.0 *
		e2301			
P-100	Pump	23006*	23006	No	500.0 *
		e23006			
P-101	Pump	22068*	22068	No	500.0 *
		e2205			
03-P 2207 A- B	Pump	22066	22066*	No	500.0 *
		E P-2207			
03-P 2211 A-B	Pump	22052	22053	No	500.0 *
		E2211			
P 2203	Pump	22009*	22009	No	500.0 *
		E1			
P 2202	Pump	22002*	22002/	No	500.0 *
		E P2202			
P 2204	Pump	22021	22021*	No	500.0 *
		E P2204			
P 2206	Pump	22080	22157	No	500.0 *
		E P2206			
P-102	Pump	21003	21027	No	500.0 *
		E 1			
P-2201	Pump	22006	22013.	No	500.0 *
		E 11			
CSTR-100	Cont. Stirred Tank Reactor	21014*	21008	No	500.0 *
		21007	21005		
		21010			
		21001			
MIX-101	Mixer	22013	2101124	No	500.0 *
		22015			
MIX-100	Mixer	21013*	21012	No	500.0 *
		21018			
MIX-102	Mixer	21012	21014*	No	500.0 *

* Specified by user.

Workbook: Case (Main) (continued)

Unit Ops (continued)

Operation Name	Operation Type	Feeds	Products	Ignored	Calc Level
MIX-102	Mixer	2101124		No	500.0 *
MIX-103	Mixer	22004 21008	2103	No	500.0 *
MIX-104	Mixer	23012 23014	23002	No	500.0 *
MIX-105	Mixer	23013 23011*	23011	No	500.0 *
MIX-106	Mixer	koh 22020	22068*	No	500.0 *
MIX-108	Mixer	23003 22024	22008	No	500.0 *
MIX-109	Mixer	22012 22026	22026*	No	500.0 *
MIX-110	Mixer	22026* 22008*	22038*	No	500.0 *
MIX-111	Mixer	22023 23007* 22060	22018	No	500.0 *
MIX-112	Mixer	22001 22014	22080	No	500.0 *
MIX-107	Mixer	22055 23004	23004.	No	500.0 *
TEE-101	Tee	23008	23010. 23009.	No	500.0 *
TEE-102	Tee	23006	23007* 23008*	No	500.0 *
TEE-103	Tee	22066*	22067* 22054	No	500.0 *
TEE-104	Tee	22054	22060 22055	No	500.0 *
TEE-106	Tee	22009	22003* 22023	No	500.0 *
TEE-109	Tee	22006*	22006 22007	No	500.0 *
TEE-108	Tee	22007	22002* 22001	No	500.0 *
TEE-110	Tee	22021*	22022* 22014	No	500.0 *
TEE-100	Tee	21027	21083 21017*	No	500.0 *
TEE-105	Tee	21017*	21013* 21017**	No	500.0 *
TEE-111	Tee	21005	21005. TO FLARE	No	500.0 *
T 2301	Absorber	23010 21006	23013 23012	No	2500 *
T 2302	Absorber	23009 22011	23001 23014	No	2500 *
03-E-2302	Heat Exchanger	23009. 23370	23009 23372	No	500.0 *
E-101	Heat Exchanger	23004.	23006*	No	500.0 *

Workbook: Case (Main) (continued)

Unit Ops (continued)

Operation Name	Operation Type	Feeds	Products	Ignored	Calc Level
E-101	Heat Exchanger	23301	23302	No	500.0 *
03-E 2209	Heat Exchanger	22064	22065	No	500.0 *
		22306	22307		
03-E 2208	Heat Exchanger	22051	22051*	No	500.0 *
		22304	22305		
E 2202	Heat Exchanger	22008	22008*	No	500.0 *
		22300	22301		
E-103	Heat Exchanger	22019	22019*	No	500.0 *
		22302	22303		
E 2206	Heat Exchanger	22038*	22038***	No	500.0 *
		22375	22376		
E 2203	Heat Exchanger	22010	2201000	No	500.0 *
		22370	22371		
E-104	Heat Exchanger	21005.	21005*	No	500.0 *
		21300	21301		
03-T-2303	Reboiled Absorber	23011	23004	No	2500 *
			23003		
03-T 2203	Reboiled Absorber	22067	22052	No	2500 *
		22068	22051		
		22069	22064		
		E 2207			
03-T 2206	Reboiled Absorber	22053	22070	No	2500 *
		22071	22069.		
		03-E 2215			
T 2201	Reboiled Absorber	22002	22004*	No	2500 *
		22003	22024		
		21009*	22009*		
		E 2201			
T 2202	Reboiled Absorber	22022	22020*	No	2500 *
		22018	22019		
		22025			
		E 2204			
D 2208	Separator	2201000	22012	No	500.0 *
			22011*		
V-102	Separator	21005*	21007*	No	500.0 *
			21006*		
E-102	Heater	2103	2103*	No	500.0 *
		E 2			
E-105	Heater	21006*	21006	No	500.0 *
		E 4			
E-100	Heater	21017**	21018	No	500.0 *
		e 1			
RCY-1	Recycle	21010.	21010	No	3500 *
RCY-2	Recycle	21007*	21007	No	3500 *
RCY-3	Recycle	23010.	23010	No	3500 *
RCY-4	Recycle	23008*	23008	No	3500 *
RCY-5	Recycle	22011*	22011	No	3500 *
RCY-6	Recycle	22069.	22069	No	3500 *
RCY-7	Recycle	22020*	22020	No	3500 *
RCY-8	Recycle	22067*	22067	No	3500 *
RCY-9	Recycle	22004*	22004	No	3500 *

Workbook: Case (Main) (continued)

Unit Ops (continued)

Operation Name	Operation Type	Feeds	Products	Ignored	Calc Level
RCY-10	Recycle	22002/	22002	No	3500 *
RCY-11	Recycle	22013.	22013	No	3500 *
RCY-12	Recycle	22003*	22003	No	3500 *
RCY-13	Recycle	22010**	22010	No	3500 *
RCY-14	Recycle	22022*	22022	No	3500 *
RCY-15	Recycle	21009	21009*	No	3500 *

* Specified by user.