	CXP23	TLP01A	TLP01B	TLP02	TLP03	TLP03A	TLP03B	TLP03C
	TLPRBLR1	TLPCOND	TLPCOND1		CNDSPLIT	TLPVSL2	TLPCOND	TLPVSL2
		EVAPTRAY		ENTSPLIT	TLPVSL2	TLPCOND	TLPCOND	TLPCOND
	MIXED	VAPOR	VAPOR	MIXED	LIQUID	LIQUID	VAPOR	LIQUID
Substream								
Mole Flow								
H2O	206.6894	174.6271	1.01E-06	68.91969	185.9088	174.6241	7.00E-04	7.532627
ACETACI	6.52E-12	0	0	0	0	0	0	0
CO2	8.65E-14	2.38E-09	0	0	0	0	0	0
FORM2	0	0	0	0	0	0	0	0
H2F2	9.11E-30	0	0	0	0	0	0	0
ACET2	4.52E-31	0	0	0	0	0	0	0
H2SO4	0	0	0	0	0	0	0	0
H2	0	0	0	0	0	0	0	0
HCL	3.86E-22	0	0	0	0	0	0	0
HCOOH	0	0	0	0	0	0	0	0
HF	5.76E-13	0	0	0	0	0	0	0
HNO2	7.72E-12	0	0	0	0	0	0	0
HNO3	9.23E-20	0	0	0	0	0	0	0
N2O4	0	0	0	0	0	0	0	0
N2	0	3.11E-04	2.93E-05	0	1.53E-03	3.51E-05	3.05E-04	1.40E-05
NH3	0.071798	0.089788	0	1.16E-04	0.086646	0.087479	9.37E-06	5.30E-06
NO2	0	0	0	0	0	0	0	0
NO	0	0	0	0	0	0	0	0
O2	0	1.58E-04	8.89E-06	0	7.78E-04	3.02E-05	1.37E-04	7.17E-06
SICL4	0	0	0	0	0	0	0	0
SIF4	0	0	0	0	0	0	0	0
SO2	1.92E-24	0	0	0	0	0	0	0
SO3	0	0	0	0	0	0	0	0
TIIVCL4	0	0	0	0	0	0	0	0
CACO3	6.05E-07	0	0	4.07E-08	0	0	0	0
CACOOH	0	0	0	0	0	0	0	0
CAH2SIC	8.46E-09	0	0	5.53E-10	0	0	0	0
CAHC2O	7.14E-33	0	0	0	0	0	0	0
CAHPO4	1.35E-12	0	0	0	0	0	0	0
CASO4	3.42E-10	0	0	8.29E-12	0	0	0	0
AGF	7.40E-14	0	0	0	0	0	0	0
COACET	0	0	0	0	0	0	0	0
COC2O4	0	0	0	0	0	0	0	0
COCOOH	0	0	0	0	0	0	0	0
COIIOH2	0	0	0	0	0	0	0	0
COSEO4	0	0	0	0	0	0	0	0
CROH3	1.97E-12	0	0	0	0	0	0	0
CSACET	2.07E-10	0	0	7.10E-10	0	0	0	0
CSCL	3.79E-10	0	0	1.92E-09	0	0	0	0
CSNO3	1.42E-08	0	0	2.21E-08	0	0	0	0
FECL3	0	0	0	0	0	0	0	0
FEIIIF3	0	0	0	0	0	0	0	0
FEIIIOH3	4.96E-12	0	0	0	0	0	0	0
AGACET	3.06E-14	0	0	0	0	0	0	0

AGNO3	2.54E-13	0	0	0	0	0	0	0
AGCL	4.93E-11	0	0	2.69E-12	0	0	0	0
H2SIF6	0	0	0	0	0	0	0	0
AGNO2	5.40E-11	0	0	0	0	0	0	0
H2ZRF6	0	0	0	0	0	0	0	0
H3PO4	7.48E-26	0	0	0	0	0	0	0
H3SBO4	0	0	0	0	0	0	0	0
H4P2O7	0	0	0	0	0	0	0	0
HBF4	0	0	0	0	0	0	0	0
AGOH	1.16E-10	0	0	1.01E-11	0	0	0	0
ALF3	1.79E-23	0	0	0	0	0	0	0
ALO2H2(	0	0	0	0	0	0	0	0
ALOH3	5.69E-09	0	0	5.67E-10	0	0	0	0
AMIIIF3	2.16E-20	0	0	0	0	0	0	0
KACET	1.56E-03	0	0	2.58E-03	0	0	0	0
KCL	1.18E-04	0	0	3.57E-04	0	0	0	0
KCOOH	0	0	0	0	0	0	0	0
KHSO4	3.66E-18	0	0	0	0	0	0	0
LAACET3	2.54E-29	0	0	0	0	0	0	0
LACL3	2.98E-33	0	0	0	0	0	0	0
LAF3	3.99E-24	0	0	0	0	0	0	0
LAOH3	1.05E-13	0	0	0	0	0	0	0
LIACET	5.94E-06	0	0	4.20E-06	0	0	0	0
LIH2BO3	4.21E-06	0	0	4.50E-06	0	0	0	0
LIOH	1.49E-03	0	0	2.02E-03	0	0	0	0
MGACET	7.16E-15	0	0	0	0	0	0	0
MGC2O4	4.46E-12	0	0	0	0	0	0	0
MGCO3	2.15E-11	0	0	0	0	0	0	0
MGCOOH	0	0	0	0	0	0	0	0
MGH2SIC	6.66E-12	0	0	0	0	0	0	0
MGHPO4	2.81E-16	0	0	0	0	0	0	0
MGSO4	5.34E-14	0	0	0	0	0	0	0
MNACET	1.67E-16	0	0	0	0	0	0	0
MNC2O4	1.62E-11	0	0	0	0	0	0	0
MNCOOH	0	0	0	0	0	0	0	0
MNNO32	2.57E-14	0	0	0	0	0	0	0
MNOH2	3.82E-08	0	0	4.97E-10	0	0	0	0
MNSEO4	0	0	0	0	0	0	0	0
MNSO4	3.51E-15	0	0	0	0	0	0	0
AMNO33	7.02E-22	0	0	0	0	0	0	0
AMIIIOH3	2.20E-09	0	0	2.90E-11	0	0	0	0
NAACET	0.023872	0	0	0.031558	0	0	0	0
NABOH4	0.010742	0	0	0.014967	0	0	0	0
NACOOH	0	0	0	0	0	0	0	0
NAF	0.111754	0	0	0.037372	0	0	0	0
NAHCO3	1.29E-05	0	0	9.97E-07	0	0	0	0
NAHSIO3	4.07E-04	0	0	5.92E-05	0	0	0	0
NANO3	0.119708	0	0	5.66E-03	0	0	0	0
BAAC2	1.37E-10	0	0	4.41E-10	0	0	0	0
NH4ACET	9.30E-09	0	0	9.48E-12	0	0	0	0
NH4NO3	2.00E-06	0	0	1.62E-09	0	0	0	0

NIACET2	5.77E-20	0	0	0	0	0	0	0
NIC2O4	5.19E-14	0	0	0	0	0	0	0
NICOOH2	0	0	0	0	0	0	0	0
NIOH2	1.10E-08	0	0	1.02E-09	0	0	0	0
NISEO4	0	0	0	0	0	0	0	0
NISO4	6.88E-19	0	0	0	0	0	0	0
BACO3	2.34E-13	0	0	0	0	0	0	0
BACOOH	0	0	0	0	0	0	0	0
BAOX	2.27E-10	0	0	2.67E-12	0	0	0	0
OXALAC	1.08E-26	0	0	0	0	0	0	0
SBOH5	0	0	0	0	0	0	0	0
BASO4	7.32E-12	0	0	0	0	0	0	0
BOH3	1.04E-07	0	0	2.39E-08	0	0	0	0
SIO2	9.46E-11	0	0	3.62E-12	0	0	0	0
CAACET	1.18E-10	0	0	6.72E-11	0	0	0	0
CAC2O4	9.26E-09	0	0	3.73E-10	0	0	0	0
SRC2O4	9.30E-09	0	0	1.89E-09	0	0	0	0
SRCOOH	0	0	0	0	0	0	0	0
SRHC2O4	1.03E-32	0	0	0	0	0	0	0
SRHPO4	1.62E-13	0	0	0	0	0	0	0
SRNO32	4.63E-08	0	0	1.96E-08	0	0	0	0
SRSO4	2.74E-09	0	0	9.94E-11	0	0	0	0
THF4	0	0	0	0	0	0	0	0
THHPO42	0	0	0	0	0	0	0	0
THNO34	0	0	0	0	0	0	0	0
THOH4	2.75E-13	0	0	0	0	0	0	0
THSO42	0	0	0	0	0	0	0	0
CACL2	8.78E-29	0	0	0	0	0	0	0
TIIVF4	0	0	0	0	0	0	0	0
TIIVOH4	1.29E-17	0	0	0	0	0	0	0
TIOST	0	0	0	0	0	0	0	0
UO2AC2	2.08E-31	0	0	0	0	0	0	0
UO2C2O4	6.76E-29	0	0	0	0	0	0	0
UO2CL2	0	0	0	0	0	0	0	0
UO2CO3	9.63E-25	0	0	0	0	0	0	0
UO2F2	5.50E-27	0	0	0	0	0	0	0
UO2SO4	8.44E-33	0	0	0	0	0	0	0
ZRC2O42	0	0	0	0	0	0	0	0
ZRCL4	0	0	0	0	0	0	0	0
ZRF4	0	0	0	0	0	0	0	0
ZROH4	3.28E-12	0	0	0	0	0	0	0
CS2O	0	0	0	0	0	0	0	0
CSOH	0	0	0	0	0	0	0	0
FE2O3	0	0	0	0	0	0	0	0
FEOOH	0	0	0	0	0	0	0	0
AG2CO3	0	0	0	0	0	0	0	0
H2CR2O7	0	0	0	0	0	0	0	0
AMIII2C	0	0	0	0	0	0	0	0
BAOH2	0	0	0	0	0	0	0	0
K2O	0	0	0	0	0	0	0	0
KALSIO	0	0	0	0	0	0	0	0

KOH	0	0	0	0	0	0	0	0
LA2O3	0	0	0	0	0	0	0	0
LI2CO3	0	0	0	0	0	0	0	0
LI2O	0	0	0	0	0	0	0	0
LOWALB	0	0	0	0	0	0	0	0
MGCR2C	0	0	0	0	0	0	0	0
MGOH2	0	0	0	0	0	0	0	0
MNCO3	0	0	0	0	0	0	0	0
MNO	0	0	0	0	0	0	0	0
NA2CO4	0	0	0	0	0	0	0	0
NA2CO3	0	0	0	0	0	0	0	0
NACRO7	0	0	0	0	0	0	0	0
NA2O	0	0	0	0	0	0	0	0
NA2SO4	0	0	0	0	0	0	0	0
NA2UO7	0	0	0	0	0	0	0	0
NA3PO4	0	0	0	0	0	0	0	0
NAALO2	0	0	0	0	0	0	0	0
NAB5O8	0	0	0	0	0	0	0	0
NACL	0	0	0	0	0	0	0	0
NANO2	0	0	0	0	0	0	0	0
NAOH	0	0	0	0	0	0	0	0
CACR2O	0	0	0	0	0	0	0	0
NIO	0	0	0	0	0	0	0	0
CAOH2	0	0	0	0	0	0	0	0
CAO	0	0	0	0	0	0	0	0
CASIO3	0	0	0	0	0	0	0	0
P2O5	0	0	0	0	0	0	0	0
RUTILE	0	0	0	0	0	0	0	0
AL2O3	0	0	0	0	0	0	0	0
SRCO3	0	0	0	0	0	0	0	0
THO2	0	0	0	0	0	0	0	0
UO3	0	0	0	0	0	0	0	0
ZRO2	0	0	0	0	0	0	0	0
ZRSIO4	0	0	0	0	0	0	0	0
ZRSO42V	0	0	0	0	0	0	0	0
B2O3X	0	0	0	0	0	0	0	0
CA5OHP	0	0	0	0	0	0	0	0
CR2O3	0	0	0	0	0	0	0	0
AMIIF3	0	0	0	0	0	0	0	0
BACOOH	0	0	0	0	0	0	0	0
CACOOH	0	0	0	0	0	0	0	0
FEF3	0	0	0	0	0	0	0	0
FEOH3	0	0	0	0	0	0	0	0
MGACET	0	0	0	0	0	0	0	0
MGCOOH	0	0	0	0	0	0	0	0
NICOOH	0	0	0	0	0	0	0	0
AMCOOH	0	0	0	0	0	0	0	0
BA3PO42	0	0	0	0	0	0	0	0
NACO3W	0	0	0	0.94829	0	0	0	0
NA2SIOW	0	0	0	0	0	0	0	0
NA3FS4	0	0	0	0	0	0	0	0

BAHCO3	0	0	0	0	0	0	0	0
NA2SO4	0	0	0	0	0	0	0	0
NANO3S	0	0	0	0	0	0	0	0
WEGSCH	0	0	0	0	0	0	0	0
LAWSON	0	0	0	0	0	0	0	0
LMNTITE	0	0	0	0	0	0	0	0
WAIRAKI	0	0	0	0	0	0	0	0
LISI5O11	0	0	0	0	0	0	0	0
LI2SIO3	0	0	0	0	0	0	0	0
LINO2	0	0	0	0	0	0	0	0
NASI5O1	0	0	0	0	0	0	0	0
NA4P27	0	0	0	0	0	0	0	0
NISO4B	0	0	0	0	0	0	0	0
ALACET3	0	0	0	0	0	0	0	0
ALCL3	0	0	0	0	0	0	0	0
ALNO23I	0	0	0	0	0	0	0	0
ALNO33I	0	0	0	0	0	0	0	0
AMEST7	0	0	0	0	0	0	0	0
BAHSO3	0	0	0	0	0	0	0	0
BAHSO4	0	0	0	0	0	0	0	0
BAAMCO	0	0	0	0	0	0	0	0
BAOHCL	0	0	0	0	0	0	0	0
BAOHHC	0	0	0	0	0	0	0	0
CA2CL2C	0	0	0	0	0	0	0	0
CAHCO3	0	0	0	0	0	0	0	0
CABCAC	0	0	0	0	0	0	0	0
CABCAS	0	0	0	0	0	0	0	0
CABCAA	0	0	0	0	0	0	0	0
CAHCO3	0	0	0	0	0	0	0	0
CABCAB	0	0	0	0	0	0	0	0
CABCAB	0	0	0	0	0	0	0	0
CAHCO3	0	0	0	0	0	0	0	0
CAHSO3	0	0	0	0	0	0	0	0
CAHSO4	0	0	0	0	0	0	0	0
CAAMCO	0	0	0	0	0	0	0	0
CAOHCL	0	0	0	0	0	0	0	0
CAPHILL	0	0	0	0	0	0	0	0
CHABAZI	0	0	0	0	0	0	0	0
CRSO43	0	0	0	0	0	0	0	0
CRNO33	0	0	0	0	0	0	0	0
CUMTON	0	0	0	0	0	0	0	0
DICKIT	0	0	0	0	0	0	0	0
EPISIN	0	0	0	0	0	0	0	0
FEIII2C3	0	0	0	0	0	0	0	0
FENO33	0	0	0	0	0	0	0	0
FLUTRMI	0	0	0	0	0	0	0	0
H2CO3IN	0	0	0	0	0	0	0	0
H2CRO4I	0	0	0	0	0	0	0	0
H2SEO4	0	0	0	0	0	0	0	0
H2SO3IN	0	0	0	0	0	0	0	0
H4SIO4	0	0	0	0	0	0	0	0

H6F6	0	0	0	0	0	0	0	0
HALLOIS	0	0	0	0	0	0	0	0
HEULANI	0	0	0	0	0	0	0	0
HNH2CO	0	0	0	0	0	0	0	0
KHSO3IN	0	0	0	0	0	0	0	0
KNH2CO	0	0	0	0	0	0	0	0
KPHILLIN	0	0	0	0	0	0	0	0
LA2CO33	0	0	0	0	0	0	0	0
LACOOH	0	0	0	0	0	0	0	0
LANO33	0	0	0	0	0	0	0	0
LEON	0	0	0	0	0	0	0	0
LIHCO3IN	0	0	0	0	0	0	0	0
LIHSO3IN	0	0	0	0	0	0	0	0
LINH2CO	0	0	0	0	0	0	0	0
MGCL2C	0	0	0	0	0	0	0	0
MGCL2S	0	0	0	0	0	0	0	0
MGCLHC	0	0	0	0	0	0	0	0
MGCLHS	0	0	0	0	0	0	0	0
MGHCO3	0	0	0	0	0	0	0	0
MGBCCA	0	0	0	0	0	0	0	0
MGBC2S	0	0	0	0	0	0	0	0
MGBCAM	0	0	0	0	0	0	0	0
MGHCO3	0	0	0	0	0	0	0	0
MGHCO3	0	0	0	0	0	0	0	0
MGBCSU	0	0	0	0	0	0	0	0
MGHCO3	0	0	0	0	0	0	0	0
MGHSO3	0	0	0	0	0	0	0	0
MGHSO4	0	0	0	0	0	0	0	0
MGAMCC	0	0	0	0	0	0	0	0
MGNO22	0	0	0	0	0	0	0	0
MN3AL2S	0	0	0	0	0	0	0	0
MNHCO3	0	0	0	0	0	0	0	0
MNHSO3	0	0	0	0	0	0	0	0
MNHSO4	0	0	0	0	0	0	0	0
MNAMCC	0	0	0	0	0	0	0	0
MNOHCL	0	0	0	0	0	0	0	0
MNOHHC	0	0	0	0	0	0	0	0
MNSO3IN	0	0	0	0	0	0	0	0
NA3HCO	0	0	0	0	0	0	0	0
NAFESIC	0	0	0	0	0	0	0	0
NAFPO4	0	0	0	0	0	0	0	0
NAH2BO	0	0	0	0	0	0	0	0
NAHSO3	0	0	0	0	0	0	0	0
NANH2C	0	0	0	0	0	0	0	0
NANH4S	0	0	0	0	0	0	0	0
NAPHILL	0	0	0	0	0	0	0	0
NAPHOH	0	0	0	0	0	0	0	0
NAZRF5	0	0	0	0	0	0	0	0
NH42CO	0	0	0	0	0	0	0	0
NH42SIF	0	0	0	0	0	0	0	0
NH43HS	0	0	0	0	0	0	0	0

NH43PO	0	0	0	0	0	0	0	0
NH4HSO	0	0	0	0	0	0	0	0
NH4MGS	0	0	0	0	0	0	0	0
NH4NISC	0	0	0	0	0	0	0	0
NH4OHIN	0	0	0	0	0	0	0	0
NICL2	0	0	0	0	0	0	0	0
NIF2IN	0	0	0	0	0	0	0	0
NIH2PO4	0	0	0	0	0	0	0	0
SRAC2	0	0	0	0	0	0	0	0
SRHSO3	0	0	0	0	0	0	0	0
SRHSO4	0	0	0	0	0	0	0	0
SRAMCC	0	0	0	0	0	0	0	0
THC2O42	0	0	0	0	0	0	0	0
TIIVCO32	0	0	0	0	0	0	0	0
TIIVHC34	0	0	0	0	0	0	0	0
TIIVSO42	0	0	0	0	0	0	0	0
CAMGS3	0	0	0	0	0	0	0	0
HYDCOR	0	0	0	0	0	0	0	0
MG2HD2	0	0	0	0	0	0	0	0
MG2SIO	0	0	0	0	0	0	0	0
MG3SIT	0	0	0	0	0	0	0	0
MGSIO3	0	0	0	0	0	0	0	0
NH4CR2	0	0	0	0	0	0	0	0
NH4CRO	0	0	0	0	0	0	0	0
AL2O3-S	0	0	0	0	0	0	0	0
ALOH3-S	0	0	0	0	0	0	0	0
AMCOOH	0	0	0	0	0	0	0	0
AMOH3-	0	0	0	2.20E-09	0	0	0	0
BA3PO4-	0	0	0	0	0	0	0	0
BACO3-S	0	0	0	0	0	0	0	0
BASO4-S	0	0	0	0	0	0	0	0
CA5OHP	9.53E-05	0	0	9.65E-05	0	0	0	0
CAO-S	0	0	0	0	0	0	0	0
CASIO3-	0	0	0	0	0	0	0	0
CR2O3-S	4.69E-05	0	0	4.69E-05	0	0	0	0
FE2O3-S	3.16E-04	0	0	3.14E-04	0	0	0	0
KALSIO-	1.79E-03	0	0	2.10E-03	0	0	0	0
LAF3-S	0	0	0	0	0	0	0	0
LAOH3-S	4.04E-12	0	0	0	0	0	0	0
LOWALB	0	0	0	0	0	0	0	0
MGOH2-	0	0	0	1.58E-09	0	0	0	0
MNCO3-	0	0	0	0	0	0	0	0
MNO-S	0	0	0	0	0	0	0	0
NA2CO4-	0	0	0	0.020203	0	0	0	0
NA2UO7-	0	0	0	5.56E-11	0	0	0	0
NA3FS4-	0	0	0	0.097081	0	0	0	0
NAF-S	0	0	0	0.042028	0	0	0	0
NANO3-S	0	0	0	0	0	0	0	0
NIOH2-S	3.26E-05	0	0	4.44E-05	0	0	0	0
RUTILE-	3.17E-04	0	0	3.17E-04	0	0	0	0
SIO2-S	0	0	0	0	0	0	0	0

SRCO3-S	0	0	0	0	0	0	0	0
THO2-S	5.86E-08	0	0	5.86E-08	0	0	0	0
ZRO2-S	1.95E-04	0	0	6.32E-04	0	0	0	0
ZRSIO4-S	0	0	0	0	0	0	0	0
OH-	4.900876	0	0	4.900988	2.36E-03	2.30E-03	0	3.63E-06
AGACET2	7.95E-16	0	0	0	0	0	0	0
AGC2O4-	1.24E-12	0	0	0	0	0	0	0
AGCL2-	6.06E-10	0	0	4.17E-10	0	0	0	0
AGCL3-2	2.78E-09	0	0	8.03E-09	0	0	0	0
AGCL4-3	2.26E-09	0	0	3.30E-08	0	0	0	0
AG+	2.58E-12	0	0	0	0	0	0	0
AGNH32-	7.31E-08	0	0	0	0	0	0	0
AGNO22-	3.35E-09	0	0	4.94E-10	0	0	0	0
AGOH2-	7.47E-08	0	0	1.15E-07	0	0	0	0
AGSO4-	4.95E-14	0	0	0	0	0	0	0
ALACET2	0	0	0	0	0	0	0	0
ALACET4	0	0	0	0	0	0	0	0
ALF2+	1.80E-25	0	0	0	0	0	0	0
ALF4-	7.17E-22	0	0	0	0	0	0	0
ALF5-2	6.21E-21	0	0	0	0	0	0	0
ALF6-3	3.90E-20	0	0	0	0	0	0	0
ALF+2	6.54E-29	0	0	0	0	0	0	0
AL+3	0	0	0	0	0	0	0	0
ALOH2+	2.63E-17	0	0	0	0	0	0	0
ALOH4-	0.591402	0	0	0.591093	0	0	0	0
ALOHCL-	6.57E-27	0	0	0	0	0	0	0
ALOH+2	1.12E-25	0	0	0	0	0	0	0
ALSO42-	0	0	0	0	0	0	0	0
ALSO4+	0	0	0	0	0	0	0	0
AMCO32-	1.37E-16	0	0	0	0	0	0	0
AMCO3+	2.55E-19	0	0	0	0	0	0	0
AMHCO3	2.99E-27	0	0	0	0	0	0	0
AMHCO3	1.07E-24	0	0	0	0	0	0	0
AMC2O4	7.80E-22	0	0	0	0	0	0	0
AMCO43-	1.29E-19	0	0	0	0	0	0	0
AMC2O4-	2.28E-22	0	0	0	0	0	0	0
AMCL2+	1.07E-26	0	0	0	0	0	0	0
AMCL+2	9.65E-25	0	0	0	0	0	0	0
AMF2+	3.03E-22	0	0	0	0	0	0	0
AMIIIF+2	1.29E-22	0	0	0	0	0	0	0
AMIII+3	9.61E-24	0	0	0	0	0	0	0
AMOH2+	2.66E-11	0	0	0	0	0	0	0
AMOH+2	9.33E-19	0	0	0	0	0	0	0
AMSO42-	1.60E-25	0	0	0	0	0	0	0
AMSO4+	2.48E-24	0	0	0	0	0	0	0
AMNO32-	4.00E-24	0	0	0	0	0	0	0
AMNO3+2	6.01E-24	0	0	0	0	0	0	0
B2OOH5-	3.26E-09	0	0	2.06E-08	0	0	0	0
B3O3OH4	2.44E-14	0	0	0	0	0	0	0
B4O5H4-	1.35E-14	0	0	0	0	0	0	0
BAACET-	2.44E-08	0	0	4.74E-08	0	0	0	0

BACOOH	0	0	0	0	0	0	0	0
BAF+	8.01E-09	0	0	4.49E-09	0	0	0	0
BAHCO3	8.54E-15	0	0	0	0	0	0	0
BA+2	7.08E-07	0	0	3.40E-07	0	0	0	0
BAOH+	2.34E-07	0	0	5.82E-07	0	0	0	0
BF2OH2-	4.49E-17	0	0	0	0	0	0	0
BF3OH-2	1.73E-27	0	0	0	0	0	0	0
BF4-	0	0	0	0	0	0	0	0
BFOH3-	1.46E-09	0	0	5.44E-10	0	0	0	0
BOH4-	0.016889	0	0	0.012664	0	0	0	0
CAACET	4.62E-09	0	0	2.19E-09	0	0	0	0
CACL+	4.66E-14	0	0	3.04E-09	0	0	0	0
CACOOH	0	0	0	0	0	0	0	0
CAF+	2.59E-10	0	0	1.29E-10	0	0	0	0
CAH2BO	1.88E-08	0	0	1.19E-08	0	0	0	0
CAH2PO	1.18E-20	0	0	0	0	0	0	0
CAHC2O	1.73E-19	0	0	0	0	0	0	0
CAHCO3	3.04E-12	0	0	0	0	0	0	0
CAHSIO3	1.25E-12	0	0	0	0	0	0	0
CA+2	7.70E-07	0	0	8.55E-08	0	0	0	0
CANO3+	6.82E-08	0	0	1.19E-08	0	0	0	0
CAOH+	1.48E-06	0	0	8.23E-07	0	0	0	0
CAPO4-	5.33E-06	0	0	1.38E-06	0	0	0	0
CL-	0.145919	0	0	0.14568	0	0	0	0
CO3-2	1.799107	0	0	1.082525	1.71E-09	1.72E-09	0	0
COACET	0	0	0	0	0	0	0	0
COACET	0	0	0	0	0	0	0	0
COCOOH	0	0	0	0	0	0	0	0
COCO42	0	0	0	0	0	0	0	0
COCO43	0	0	0	0	0	0	0	0
COCL+	0	0	0	0	0	0	0	0
COII+2	0	0	0	0	0	0	0	0
CONH32	0	0	0	0	0	0	0	0
CONH33	0	0	0	0	0	0	0	0
CONH34	0	0	0	0	0	0	0	0
CONH35	0	0	0	0	0	0	0	0
CONH36	0	0	0	0	0	0	0	0
CONH3+	0	0	0	0	0	0	0	0
COIINO3	0	0	0	0	0	0	0	0
COIIOH3	0	0	0	0	0	0	0	0
COIOH4-	0	0	0	0	0	0	0	0
COIIOH+	0	0	0	0	0	0	0	0
COOH-	0	0	0	0	0	0	0	0
CR2O7-2	3.83E-20	0	0	0	0	0	0	0
CRF+2	1.13E-29	0	0	0	0	0	0	0
CRIIICL+	0	0	0	0	0	0	0	0
CRICL+2	0	0	0	0	0	0	0	0
CRH2PO	0	0	0	0	0	0	0	0
CRIHPO4	8.50E-32	0	0	0	0	0	0	0
CRIII+3	0	0	0	0	0	0	0	0
CRNO3+	0	0	0	0	0	0	0	0

CRO4-2	6.75E-03	0	0	6.75E-03	0	0	0	0
CROH2+	1.11E-19	0	0	0	0	0	0	0
CROH4-	3.62E-09	0	0	3.04E-09	0	0	0	0
CROH+2	6.89E-27	0	0	0	0	0	0	0
CRSO4+	1.19E-33	0	0	0	0	0	0	0
CS+	1.01E-08	0	0	0	0	0	0	0
CSSO4-	2.13E-10	0	0	3.68E-10	0	0	0	0
FE2OH2+	0	0	0	0	0	0	0	0
FEC2O42	2.84E-31	0	0	0	0	0	0	0
FECO43-	2.63E-28	0	0	0	0	0	0	0
FEC2O4+	2.14E-33	0	0	0	0	0	0	0
FECL2+	0	0	0	0	0	0	0	0
FECL4-	0	0	0	0	0	0	0	0
FECL+2	0	0	0	0	0	0	0	0
FEIIIF2+	0	0	0	0	0	0	0	0
FEF+2	0	0	0	0	0	0	0	0
FEH2PO-	0	0	0	0	0	0	0	0
FEHCO4-	0	0	0	0	0	0	0	0
FEHPO4-	0	0	0	0	0	0	0	0
FEIII+3	0	0	0	0	0	0	0	0
FENO3+2	0	0	0	0	0	0	0	0
FEOH2+	1.82E-20	0	0	0	0	0	0	0
FEIIOH4-	9.19E-07	0	0	5.71E-06	0	0	0	0
FEOH+2	2.12E-29	0	0	0	0	0	0	0
FEIISO4+	0	0	0	0	0	0	0	0
F-	0.201067	0	0	0.055445	0	0	0	0
H2P2O7-	6.25E-28	0	0	0	0	0	0	0
H2PO4-	2.60E-13	0	0	0	0	0	0	0
H2SBO4-	0	0	0	0	0	0	0	0
H2SIO4-2	8.15E-04	0	0	8.57E-04	0	0	0	0
H3P2O7-	0	0	0	0	0	0	0	0
H3SIO4-	4.09E-06	0	0	8.26E-07	0	0	0	0
HCO3-	2.52E-05	0	0	7.38E-06	6.43E-10	6.29E-10	0	0
HCRO4-	1.36E-11	0	0	5.88E-12	0	0	0	0
HF2-	1.82E-14	0	0	0	0	0	0	0
H+	4.20E-14	0	0	0	7.30E-11	6.70E-11	0	7.52E-11
HOXALA	1.65E-13	0	0	0	0	0	0	0
HP2O7-3	7.44E-20	0	0	0	0	0	0	0
HPO4-2	3.61E-05	0	0	1.54E-05	0	0	0	0
HSBO4-2	0	0	0	0	0	0	0	0
HSEO4-	0	0	0	0	0	0	0	0
HSIF6-	0	0	0	0	0	0	0	0
HSO3-	9.00E-12	0	0	2.66E-12	0	0	0	0
HSO4-	1.95E-15	0	0	0	0	0	0	0
HZRF6-	0	0	0	0	0	0	0	0
K+	1.684293	0	0	1.684598	0	0	0	0
KSO4-	6.57E-03	0	0	4.70E-03	0	0	0	0
LAACET2	4.71E-28	0	0	0	0	0	0	0
LAACET+	1.17E-26	0	0	0	0	0	0	0
LACL2+	8.98E-31	0	0	0	0	0	0	0
LACL4-	0	0	0	0	0	0	0	0

LACL+2	3.52E-28	0	0	0	0	0	0	0
LACO3+	1.42E-22	0	0	0	0	0	0	0
LACOOH	0	0	0	0	0	0	0	0
LACOOH	0	0	0	0	0	0	0	0
LAF2+	5.23E-24	0	0	0	0	0	0	0
LAF4-	2.32E-23	0	0	0	0	0	0	0
LAF+2	1.44E-24	0	0	0	0	0	0	0
LAHPO4+	0	0	0	0	0	0	0	0
LAHCO3-	1.03E-30	0	0	0	0	0	0	0
LA+3	1.81E-25	0	0	0	0	0	0	0
LANO3+2	2.78E-27	0	0	0	0	0	0	0
LAOH2+	1.25E-17	0	0	0	0	0	0	0
LAOH4-	9.51E-12	0	0	1.37E-11	0	0	0	0
LAOH+2	6.63E-22	0	0	0	0	0	0	0
LASO42-	2.55E-29	0	0	0	0	0	0	0
LASO4+	1.93E-27	0	0	0	0	0	0	0
LI+	2.15E-03	0	0	1.62E-03	0	0	0	0
LISO4-	1.21E-06	0	0	5.71E-07	0	0	0	0
MGACET	8.00E-13	0	0	0	0	0	0	0
MGCO42	2.61E-13	0	0	0	0	0	0	0
MGACE+	0	0	0	0	0	0	0	0
MGF+	5.50E-15	0	0	0	0	0	0	0
MGH2PO	5.87E-26	0	0	0	0	0	0	0
MGHCO3	3.55E-16	0	0	0	0	0	0	0
MGHSIO3	1.84E-16	0	0	0	0	0	0	0
MG+2	3.50E-11	0	0	0	0	0	0	0
MGOH+	1.25E-09	0	0	1.33E-10	0	0	0	0
MGP2O7	1.98E-20	0	0	0	0	0	0	0
MGPO4-	4.17E-10	0	0	1.66E-11	0	0	0	0
MNACET	1.12E-17	0	0	0	0	0	0	0
MNACET	1.50E-14	0	0	0	0	0	0	0
MNCO42	9.39E-14	0	0	0	0	0	0	0
MNCO43	1.85E-12	0	0	0	0	0	0	0
MNCL+	1.78E-14	0	0	0	0	0	0	0
MNCOOH	0	0	0	0	0	0	0	0
MN+2	4.93E-12	0	0	0	0	0	0	0
MNNO3+	8.00E-14	0	0	0	0	0	0	0
MNOH3-	6.16E-06	0	0	1.27E-06	0	0	0	0
MNOH4-2	2.78E-04	0	0	2.83E-04	0	0	0	0
MNOH+	9.07E-10	0	0	6.67E-12	0	0	0	0
NA2F+	0.016329	0	0	0.097224	0	0	0	0
NACO3-	0.231677	0	0	6.83E-08	0	0	0	0
NA+	15.53554	0	0	13.60069	0	0	0	0
NASO4-	0.089451	0	0	7.97E-04	0	0	0	0
NH2CO2-	9.79E-07	0	0	1.14E-09	3.07E-11	3.21E-11	0	0
NH4+	3.82E-06	0	0	2.80E-09	2.36E-03	2.30E-03	0	3.63E-06
NH4SO4-	1.02E-08	0	0	6.72E-12	0	0	0	0
NIACET3	6.50E-21	0	0	0	0	0	0	0
NIACET+	4.80E-18	0	0	0	0	0	0	0
NICO42-2	1.31E-15	0	0	0	0	0	0	0
NICL+	9.04E-20	0	0	0	0	0	0	0

NICOOH-	0	0	0	0	0	0	0	0
NIF+	3.22E-18	0	0	0	0	0	0	0
NI+2	7.37E-16	0	0	0	0	0	0	0
NINH32+	1.76E-14	0	0	0	0	0	0	0
NINH33+	2.97E-14	0	0	0	0	0	0	0
NINH34+	1.43E-14	0	0	0	0	0	0	0
NINH35+	2.57E-15	0	0	0	0	0	0	0
NINH36+	8.55E-17	0	0	0	0	0	0	0
NINH3+2	3.15E-15	0	0	0	0	0	0	0
NINO3+	2.44E-17	0	0	0	0	0	0	0
NIOH3-	6.39E-05	0	0	5.21E-05	0	0	0	0
NIOH+	4.27E-13	0	0	0	0	0	0	0
NO2-	2.596124	0	0	2.596123	0	0	0	0
NO3-	4.54556	0	0	4.659605	0	0	0	0
ACET-	0.033238	0	0	0.024538	0	0	0	0
OXALAT-	0.024556	0	0	4.35E-03	0	0	0	0
P2O7-4	1.05E-12	0	0	0	0	0	0	0
PO4-3	0.065563	0	0	0.065584	0	0	0	0
S2O5-2	7.11E-27	0	0	0	0	0	0	0
SBO4-3	0	0	0	0	0	0	0	0
SBOH6-	0	0	0	0	0	0	0	0
SEO4-2	0	0	0	0	0	0	0	0
SIF6-2	0	0	0	0	0	0	0	0
SO3-2	1.43E-03	0	0	1.43E-03	0	0	0	0
SO4-2	8.14E-03	0	0	1.58E-03	0	0	0	0
SRACET-	1.40E-08	0	0	1.47E-08	0	0	0	0
SRCOOH	0	0	0	0	0	0	0	0
SRF+	7.79E-09	0	0	2.43E-09	0	0	0	0
SRHC2O	1.70E-19	0	0	0	0	0	0	0
SR+2	1.74E-06	0	0	5.75E-07	0	0	0	0
SRNO3+	3.83E-07	0	0	2.68E-07	0	0	0	0
SROH+	1.36E-06	0	0	2.73E-06	0	0	0	0
SRPO4-	1.35E-07	0	0	8.30E-08	0	0	0	0
TH2OH2+	0	0	0	0	0	0	0	0
THCO43-	0	0	0	0	0	0	0	0
THCO44-	0	0	0	0	0	0	0	0
THC2O4+	0	0	0	0	0	0	0	0
THCL2+2	0	0	0	0	0	0	0	0
THCL3+	0	0	0	0	0	0	0	0
THCL+3	0	0	0	0	0	0	0	0
THF2+2	0	0	0	0	0	0	0	0
THF3+	0	0	0	0	0	0	0	0
THF+3	0	0	0	0	0	0	0	0
THH2PH-	0	0	0	0	0	0	0	0
THH2PO-	0	0	0	0	0	0	0	0
THC2O4+	0	0	0	0	0	0	0	0
THHPO4-	0	0	0	0	0	0	0	0
THHPO4-	0	0	0	0	0	0	0	0
TH+4	0	0	0	0	0	0	0	0
THNO32+	0	0	0	0	0	0	0	0
THNO33+	0	0	0	0	0	0	0	0

THNO3+3	0	0	0	0	0	0	0	0
THOH2+2	9.86E-33	0	0	0	0	0	0	0
THOH3+	3.65E-24	0	0	0	0	0	0	0
THOH+3	0	0	0	0	0	0	0	0
THSO43-	0	0	0	0	0	0	0	0
THSO44-	0	0	0	0	0	0	0	0
THSO4+2	0	0	0	0	0	0	0	0
TIVCL2+2	0	0	0	0	0	0	0	0
TIIVCL3+	0	0	0	0	0	0	0	0
TIIVCL+3	0	0	0	0	0	0	0	0
TIVCO3+	0	0	0	0	0	0	0	0
TIIVF2+2	0	0	0	0	0	0	0	0
TIIVF3+	0	0	0	0	0	0	0	0
TIIVF+3	0	0	0	0	0	0	0	0
TIHCO3+	0	0	0	0	0	0	0	0
TIIV+4	0	0	0	0	0	0	0	0
TIVOH2+	0	0	0	0	0	0	0	0
TIIVOH3+	3.41E-28	0	0	0	0	0	0	0
TIIVOH+3	0	0	0	0	0	0	0	0
TIVSO4+	0	0	0	0	0	0	0	0
UO2HD2-	0	0	0	0	0	0	0	0
UO2HD5-	0	0	0	0	0	0	0	0
UO2AC3-	2.86E-31	0	0	0	0	0	0	0
UO2AC+	4.09E-31	0	0	0	0	0	0	0
UOCO42-	3.46E-27	0	0	0	0	0	0	0
UOCO43-	4.65E-25	0	0	0	0	0	0	0
UO2CL+	2.75E-33	0	0	0	0	0	0	0
UO2CO3-	1.61E-17	0	0	0	0	0	0	0
UO2CO3-	1.28E-10	0	0	1.63E-11	0	0	0	0
UO2F3-	1.56E-25	0	0	0	0	0	0	0
UO2F4-2	3.53E-25	0	0	0	0	0	0	0
UO2F+	2.16E-28	0	0	0	0	0	0	0
UO2+2	1.15E-31	0	0	0	0	0	0	0
UO2OH+	3.78E-23	0	0	0	0	0	0	0
UO2SO4-	2.06E-33	0	0	0	0	0	0	0
ZRC2O4+	0	0	0	0	0	0	0	0
ZRCL2+2	0	0	0	0	0	0	0	0
ZRCL3+	0	0	0	0	0	0	0	0
ZRCL+3	0	0	0	0	0	0	0	0
ZRF2+2	0	0	0	0	0	0	0	0
ZRF3+	0	0	0	0	0	0	0	0
ZRF5-	0	0	0	0	0	0	0	0
ZRF6-2	0	0	0	0	0	0	0	0
ZRF+3	0	0	0	0	0	0	0	0
ZR+4	0	0	0	0	0	0	0	0
ZRNO32+	0	0	0	0	0	0	0	0
ZRNO3+3	0	0	0	0	0	0	0	0
ZROH2+2	2.55E-31	0	0	0	0	0	0	0
ZROH3+	3.69E-21	0	0	0	0	0	0	0
ZROH5-	5.37E-04	0	0	1.00E-04	0	0	0	0
ZROH+3	0	0	0	0	0	0	0	0

ZRSO4+2	0	0	0	0	0	0	0	0
Total Flow	239.5381	174.7173	3.92E-05	99.66486	186.0025	174.7162	1.15E-03	7.532661
Total Flow	4869.614	3147.502	1.12E-03	2403.487	3350.829	3147.477	0.025685	135.7034
Total Flow	4.0895	51249.16	1.02E-03	1.726017	3.366701	3.162686	0.414259	0.136334
Temperatu	29.59397	43.65151	40	53	29.82843	30	30	30
Pressure	1	0.0897	1	0.0897	1	0.07	0.07	0.26
Vapor Frac	0	1	1	0	0	0	1	0
Liquid Frac	0.999988	0	0	0.988851	1	1	0	1
Solid Frac	1.17E-05	0	0	0.011149	0	0	0	0
Enthalpy	-2.85E+05	-2.41E+05	-5779.64	-2.92E+05	-2.86E+05	-2.86E+05	-1.47E+05	-2.86E+05
Enthalpy	-14036	-13392.7	-201.654	-12100.2	-15850.7	-15850.1	-6606.1	-15855.4
Enthalpy	-68.3497	-42.1534	-2.26E-07	-29.0827	-53.1131	-49.8877	-1.70E-04	-2.15163
Entropy	70.46393	211.0508	196.1575	73.68329	71.93874	71.94312	214.3139	71.93037
Entropy	3.466146	11.71539	6.844019	3.055409	3.993275	3.993557	9.603684	3.992731
Density	58.57393	3.41E-03	0.038413	57.74267	55.24771	55.24299	2.78E-03	55.25174
Density	1190.76	0.061416	1.100959	1392.504	995.2859	995.1913	0.062003	995.3784
Average M	20.32919	18.01482	28.66116	24.11569	18.01497	18.0148	22.3158	18.01533
Liq Vol 60F		3.156852	2.06E-06				3.68E-05	

TLP03D TLPCOND VAPOR	TLP03E TLPVSL2 TLPCOND3 LIQUID	TLP03F TLPCOND LIQUID	TLP03G TLPCOND3 LIQUID	TLP04 TLPCOND VAPOR	TLP07A CNDSPLIT LIQUID	TLP10 EVAPTRAY CNDSPLIT LIQUID	TLP11 TLPVSL2 VAPOR	TLP11VV TLPVSL2 VAPOR
0.023334	3.794799	7.553579	3.77679	5.32E-03	148.1052	37.80362	0.062751	0.020151
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.093856	3.11E-05	0	0	0.093825	1.22E-03	3.11E-04	1.117969	1.119416
4.38E-07	9.36E-08	0	0	3.49E-09	0.069027	0.017619	7.81E-04	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.025001	1.59E-05	0	0	0.024986	6.20E-04	1.58E-04	0.296841	0.297566
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	3.41E-07	2.64E-07	1.32E-07	0	1.88E-03	4.80E-04	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0
0.142192	3.794847	7.55358	3.77679	0.124135	148.1798	37.82266	1.478342	1.437133
3.849617	68.36584	136.08	68.04	3.523778	2669.455	681.3741	41.96046	41.24343
13.78027	0.068682	0.152287	0.076143	3.127777	2.682099	0.684601	37.22821	35.61884
30	30	172.778	172.778	30	29.82843	29.82843	29.82843	25
0.26	1	8.52854	8.52854	1	1	1	1	1
1	0	0	0	1	0	0	1	1
0	1	1	1	0	1	1	0	0
0	0	0	0	0	0	0	0	0
-39564.2	-2.86E+05	-2.75E+05	-2.75E+05	-10239.3	-2.86E+05	-2.86E+05	-10162.2	-3400.29
-1461.37	-15855.1	-15252.9	-15252.9	-360.707	-15850.7	-15850.7	-358.033	-118.484
-5.63E-03	-1.08394	-2.07561	-1.03781	-1.27E-03	-42.3129	-10.8003	-0.01502	-4.89E-03
205.3582	71.95107	94.37255	94.37255	194.8085	71.93874	71.93874	194.787	194.4796
7.58523	3.993856	5.238467	5.238467	6.862647	3.993275	3.993275	6.862696	6.776669
0.010318	55.25268	49.60095	49.60095	0.039688	55.24771	55.24771	0.03971	0.040348
0.279357	995.4014	893.576	893.576	1.126608	995.2859	995.2859	1.127115	1.15791
27.07344	18.01544	18.0153	18.0153	28.38679	18.01497	18.01497	28.38345	28.69841
6.79E-03				6.46E-03			0.076949	0.076254

TLP15 TLPCOND. VAPOR	TLPEVP01 EVAPTRA` EVAP VAPOR	TLPEVP02 ENTSPLIT EVAP MIXED	TLPEVP05 TLPRBLR1 ENTSPLIT MIXED	TLPEVP06 EVAP EVAPTRA` LIQUID	TLPRBL01 EVAP TLPRBLR1 MIXED	TLPRBL02 EVAP TLPRBLR1 VAPOR
1.68E-03	174.2738	126.2694	57.34979	37.45068	127.0529	136.0705
0	2.82E-11	0	0	0	0	2.21E-11
0	1.95E-09	0	0	0	0	1.58E-09
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	4.40E-09	0	0	0	0	3.45E-09
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.093566	5.66E-11	0	0	5.66E-11	0	0
0	0.072628	2.13E-04	9.66E-05	8.35E-04	2.73E-04	0.071628
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.024872	5.36E-11	0	0	5.36E-11	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	7.45E-08	3.38E-08	0	7.66E-08	0
0	0	0	0	0	0	0
0	0	1.01E-09	4.60E-10	0	1.03E-09	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.52E-11	6.90E-12	0	1.57E-11	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.30E-09	5.91E-10	0	1.30E-09	0
0	0	3.52E-09	1.60E-09	0	3.49E-09	0
0	0	4.06E-08	1.84E-08	0	4.06E-08	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	4.94E-12	2.24E-12	0	5.05E-12	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.85E-11	8.41E-12	0	1.89E-11	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.04E-09	4.72E-10	0	1.06E-09	0
0	0	0	0	0	0	0
0	0	4.72E-03	2.14E-03	0	4.71E-03	0
0	0	6.54E-04	2.97E-04	0	6.51E-04	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	7.70E-06	3.50E-06	0	7.71E-06	0
0	0	8.24E-06	3.74E-06	0	8.23E-06	0
0	0	3.71E-03	1.68E-03	0	3.70E-03	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	9.10E-10	4.14E-10	0	9.38E-10	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	5.32E-11	2.42E-11	0	5.39E-11	0
0	0	0.057819	0.02626	0	0.057714	0
0	0	0.027422	0.012455	0	0.027359	0
0	0	0	0	0	0	0
0	0	0.06847	0.031098	0	0.069319	0
0	0	1.83E-06	8.30E-07	0	1.88E-06	0
0	0	1.08E-04	4.93E-05	0	1.10E-04	0
0	0	0.010377	4.71E-03	0	0.010677	0
0	0	8.08E-10	3.67E-10	0	8.05E-10	0
0	0	1.74E-11	7.88E-12	0	2.25E-11	0
0	0	2.97E-09	1.35E-09	0	3.86E-09	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.87E-09	8.47E-10	0	1.89E-09	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	4.90E-12	2.22E-12	0	5.02E-12	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	4.37E-08	1.98E-08	0	4.44E-08	0
0	0	6.64E-12	3.02E-12	0	6.86E-12	0
0	0	1.23E-10	5.59E-11	0	1.23E-10	0
0	0	6.83E-10	3.10E-10	0	7.04E-10	0
0	0	3.47E-09	1.58E-09	0	3.56E-09	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3.58E-08	1.63E-08	0	3.61E-08	0
0	0	1.82E-10	8.27E-11	0	1.87E-10	0
0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.737384	0.789093	0	1.706454	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	4.02E-09	1.83E-09	0	4.02E-09	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.77E-04	8.03E-05	0	1.77E-04	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	8.59E-05	3.90E-05	0	8.59E-05	0
0	0	5.75E-04	2.61E-04	0	5.75E-04	0
0	0	3.85E-03	1.75E-03	0	3.85E-03	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2.90E-09	1.32E-09	0	2.89E-09	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.037014	0.016811	0	0.036863	0
0	0	1.02E-10	4.63E-11	0	1.01E-10	0
0	0	0.177864	0.080783	0	0.177592	0
0	0	0.077001	0.034973	0	0.075044	0
0	0	0	0	0	0	0
0	0	8.14E-05	3.70E-05	0	8.19E-05	0
0	0	5.80E-04	2.63E-04	0	5.80E-04	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	1.07E-07	4.88E-08	0	1.07E-07	0
0	0	1.16E-03	5.26E-04	0	1.16E-03	0
0	0	0	0	0	0	0
0	0	8.979219	4.07823	1.04E-04	8.979222	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	7.65E-10	3.47E-10	0	7.71E-10	0
0	0	1.47E-08	6.68E-09	0	1.47E-08	0
0	0	6.04E-08	2.74E-08	0	5.96E-08	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	9.05E-10	4.11E-10	0	9.19E-10	0
0	0	2.11E-07	9.57E-08	0	2.12E-07	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.082956	0.491863	0	1.08296	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3.78E-08	1.72E-08	0	3.78E-08	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	8.69E-08	3.94E-08	0	8.68E-08	0

0	0	0	0	0	0	0
0	0	8.22E-09	3.73E-09	0	8.33E-09	0
0	0	0	0	0	0	0
0	0	6.22E-07	2.83E-07	0	6.24E-07	0
0	0	1.07E-06	4.84E-07	0	1.07E-06	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	9.97E-10	4.54E-10	0	1.02E-09	0
0	0	0.023202	0.010538	0	0.023265	0
0	0	4.02E-09	1.82E-09	0	4.04E-09	0
0	0	5.57E-09	2.53E-09	0	5.34E-09	0
0	0	0	0	0	0	0
0	0	2.36E-10	1.07E-10	0	2.41E-10	0
0	0	2.18E-08	9.92E-09	0	2.19E-08	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.57E-07	7.12E-08	0	1.58E-07	0
0	0	2.18E-08	9.89E-09	0	2.20E-08	0
0	0	1.51E-06	6.84E-07	0	1.51E-06	0
0	0	2.53E-06	1.15E-06	0	2.55E-06	0
0	0	0.266903	0.121224	0	0.266906	0
0	0	1.983321	0.900798	1.09E-11	2.014251	0
0	0	0	0	0	0

0	0	0.012365	5.62E-03	0	0.012365	0
0	0	0	0	0	0	0
0	0	5.58E-09	2.53E-09	0	5.59E-09	0
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0	0	6.74E-10	3.06E-10	0	6.81E-10	0
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0	0	1.05E-05	4.75E-06	0	1.05E-05	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.101582	0.046137	0	0.103149	0
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0	0	0	0	0	0	0
0	0	1.57E-03	7.13E-04	0	1.57E-03	0
0	0	0	0	0	0	0
0	0	1.51E-06	6.88E-07	0	1.55E-06	0
0	0	1.35E-05	6.14E-06	3.98E-11	1.39E-05	0
0	0	1.08E-11	4.90E-12	0	1.10E-11	0
0	0	0	0	0	0	0
0	0	0	0	1.65E-10	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2.82E-05	1.28E-05	0	2.86E-05	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	4.87E-12	2.20E-12	0	4.97E-12	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3.086393	1.401794	0	3.08629	0
0	0	8.61E-03	3.91E-03	0	8.73E-03	0
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0	0	2.50E-11	1.14E-11	0	2.50E-11	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2.97E-03	1.35E-03	0	2.97E-03	0
0	0	1.05E-06	4.75E-07	0	1.06E-06	0
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0	0	2.44E-10	1.11E-10	0	2.49E-10	0
0	0	0	0	0	0	0
0	0	3.04E-11	1.38E-11	0	3.12E-11	0
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0	0	0	0	0	0	0
0	0	2.32E-06	1.05E-06	0	2.35E-06	0
0	0	5.19E-04	2.36E-04	0	5.19E-04	0
0	0	1.22E-11	5.56E-12	0	1.27E-11	0
0	0	0.178127	0.080903	0	0.177942	0
0	0	1.25E-07	5.68E-08	0	1.73E-07	0
0	0	24.91816	11.31747	0	24.98243	0
0	0	1.46E-03	6.63E-04	0	1.51E-03	0
0	0	2.10E-09	9.53E-10	0	2.74E-09	0
0	0	5.12E-09	2.33E-09	1.04E-04	6.64E-09	0
0	0	1.23E-11	5.59E-12	0	1.59E-11	0
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0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0.120122	174.3464	182.5984	82.93359	37.45172	183.4464	136.1421
3.447302	3140.831	4403.487	2000	674.7031	4417.044	2452.57
2.977175	52653.76	3.162279	1.436261	0.681122	3.175361	40978.62
25	53	53	53	43.65151	53	53
1	0.0897	0.0897	0.0897	0.0897	0.09	0.09
1	1	0	0	0	0	1
0	0	0.988851	0.988851	1	0.989084	0
0	0	0.011149	0.011149	0	0.010916	0
-3400.29	-2.41E+05	-2.92E+05	-2.92E+05	-2.85E+05	-2.92E+05	-2.41E+05
-118.484	-13376.2	-12100.2	-12100.2	-15798.3	-12111.6	-13375.1
-4.08E-04	-42.0123	-53.2831	-24.2004	-10.6592	-53.4974	-32.8033
194.4796	212.0325	73.68329	73.68327	74.62551	73.65331	212.0051
6.776669	11.76985	3.055409	3.055409	4.142346	3.058931	11.7684
0.040348	3.31E-03	57.74267	57.74269	54.98534	57.77181	3.32E-03
1.15791	0.059651	1392.504	1392.504	990.576	1391.037	0.05985
28.69841	18.01489	24.11569	24.11568	18.01528	24.07812	18.01478
6.37E-03						