

**GASBOL\_TBG\_C32****Default Initial Values Selected**

Pressure	91.117
Flow	1623.654
Temperature	24.819
% C1	89.200
% C2	5.900
% C3	1.810
% IC4	0.290
% NC4	0.400
% IC5	0.120
% NC5	0.080
% C6	0.090
% CO2	1.390
% N2	0.710
% O2	0.010

**Problem Size Report**

Nodes	466
Pipes	309
Supplies	3
Deliveries	50
Energy Deliveries	0
Fuel Deliveries	15
Leak Deliveries	0
Fixed Volume Storages	0
Reservoirs	0
Block Valves	112
Check Valves	0
Centrifugal Compressors	0
Generic Compressors	0
Reciprocating Compressors	0
Regulators	2
Resistances	15
Relief Valves	0
Heaters	0
Coolers	15
Stations	15
Banks	15
Centrifugal Bank Compressors	29

Generic Bank Compressors	0
Reciprocating Bank Compressors	11
Generic Drivers	8
Turbine Drivers	3
Centrifugal Performance Types	7
Reciprocating Performance Types	7
Generic Driver Performance Types	3
Turbine Driver Performance Types	5
Cylinder Types	4
Simple Fluids	0
Compositional Fluids	1

**Steady State Convergence Report**

Iteration Number	Tolerance Requested	Greatest Hydraulic Adjustment	Greatest Temperature Adjustment	Greatest Composition Adjustment	Associated Device
0	0.0001000	303.2282335	0.0000000	0.0000000	Flux N11-C0002
1	0.0001000	159.7833798	0.0000000	0.0000000	Flux N11-C0002
2	0.0001000	84.2715330	0.0000000	0.0000000	Flux N11-C0002
3	0.0001000	55.4502082	0.0000000	0.0000000	Flux N09-D0008
4	0.0001000	8.3166362	0.0000000	0.0000000	Flux N09-D0008

**DPMX increased to 9764.86**

5	0.0001000	0.1098905	0.0000000	0.0000000	Flux N09-D0010-PEIAC
6	0.0001000	0.0015021	0.0000000	0.0000000	Node N09-D0010-PEIAC
7	0.0001000	0.0000005	0.0000000	0.0000000	Node S03-M0004-BIG1

- 8 Compressor PEN-D FROM: BankControl TO: Closed
- 8 Compressor IAC-B FROM: BankControl TO: MinimumSpeed
- 8 Compressor IAC-A FROM: BankControl TO: MinimumSpeed
- 8 Compressor ARC\_MCD FROM: BankControl TO: Closed
- 8 Compressor ARC\_MCC FROM: BankControl TO: Closed
- 8 Compressor ARC\_MCB FROM: BankControl TO: Closed
- 8 Compressor ARC\_MCA FROM: BankControl TO: Closed
- 8 Compressor PLN-A FROM: BankControl TO: MinimumSpeed
- 8 Compressor CBO-B FROM: BankControl TO: MinimumSpeed
- 8 Compressor CBO-A FROM: BankControl TO: MinimumSpeed
- 8 Compressor SID\_MCC FROM: BankControl TO: Closed

8	0.0001000	0.0640886	0.0000000	0.0000000	Xreg COM_CBA
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**DPMX increased to 19529.72**

9	0.0001000	0.0005375	0.0000000	0.0000000	Node N02-E0002-MRD1
10	0.0001000	0.0000013	0.0000575	0.0000000	TNode S02-E0006
11	0.0001000	2.4980039	0.0000575	0.0000000	Flux N01-A0001

**DPMX increased to 39059.44**

12	0.0001000	0.0037573	0.0000575	0.0000000	Flux N01-B0002
13	0.0001000	0.0029327	0.0000575	0.0000000	Node N02-E0002-MRD1
14	0.0001000	0.0000015	0.0000575	0.0000000	Node N06-E0002-TLG1

**15 Compressor IAC-B FROM: MinimumSpeed TO: BankControl**

**15 Compressor IAC-A FROM: MinimumSpeed TO: BankControl**

**15 Compressor CBO-B FROM: MinimumSpeed TO: BankControl**

**15 Compressor CBO-A FROM: MinimumSpeed TO: BankControl**

**DPMX increased to 48824.28**

15	0.0001000	0.0046144	0.0000575	0.0000000	Xreg COM_CBA
16	0.0001000	0.0000021	0.0000769	0.0000000	TNode N04-A0002
17	0.0001000	0.1712253	0.0000769	0.0000000	Flux N09-A0001
18	0.0001000	0.0000188	0.0000371	0.0000000	TNode N09-A0002
19	0.0001000	0.0215501	0.0000371	0.0000000	Flux N10-A0001
20	0.0001000	0.0000003	0.0000341	0.0000000	TNode N11-B0003
21	0.0001000	0.0026280	0.0000981	0.0000000	Equip COOL_IAC
22	0.0001000	0.0002450	0.0000074	0.0000000	Equip COOL_IAC
23	0.0001000	0.0000145	0.0000002	0.0000000	Flux N10-D0001-PEBSP

**GASBOL\_TBG\_C32 : 0.000 hours**

**Reference Conditions Report**

Reference Pressure	0.00 kg/cm2g
Reference Temperature	20.00 Deg C

**Network Flow Balance Report : 0.000 hours**

Network Flow Balance		
	Mass Units	Volumetric Units
	Tonn/h	kSm3/d
Total Input Flow	1214.695	38280.201
Total Output Flow	1214.696	38280.204
Network Flow Balance	0.000	-0.003

**Node Mass Balance Report : 0.000 hours**

Node Mass Balance - Threshold = 0.010000	
Node Name	Mass Balance Error
	kSm3/d
No Mass Balance Errors Above Threshold	

**Pipe Hydraulic Summary Report : 0.000 hours**

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N01-A001	85.00	78.45	29980.201	29980.201	1143.9276	51.70	45.91
N01-B001	78.44	73.48	29980.201	29980.201	737.4957	45.91	42.20
N02-A001	99.99	97.78	29862.883	29862.883	660.7422	48.00	45.95
N02-B001	97.78	92.85	29862.883	29862.883	1214.0427	45.95	42.06
N02-C001	92.85	87.18	29862.883	29862.883	1301.6309	42.06	38.25
N02-D001	87.18	81.15	29862.883	29862.883	1224.1497	38.25	34.81
N02-E001	81.15	73.92	29862.883	29862.883	1291.1176	34.81	31.36
N03-A001	99.99	95.41	29749.568	29749.568	1169.0191	48.00	44.06
N03-B001	95.41	89.98	29749.568	29749.568	1240.9449	44.06	40.08
N03-C001	89.98	84.75	29749.568	29749.568	1008.1884	40.08	36.74
N03-D001	84.75	79.14	29749.568	29749.568	1209.2356	36.74	33.85

N03-E001	79.14	74.12	29749.568	29749.568	891.6607	33.85	31.51
N04-A001	99.99	97.27	29636.719	29636.719	543.8578	48.00	45.72
N04-A002	97.27	96.47	29636.719	29636.719	388.9053	45.72	44.90
N04-A003	96.47	95.78	29636.719	29636.719	80.4748	44.90	44.39
N04-B001	95.78	89.83	29636.719	29636.719	1316.1368	44.39	40.00
N04-C001	89.83	88.78	29636.719	29636.719	405.6984	40.00	39.32
N04-C002	88.78	85.89	29636.719	29636.719	459.2359	39.32	37.43
N04-C003	85.89	83.72	29636.719	29636.719	558.7468	37.43	36.24
N04-D001	83.72	75.74	29636.719	29636.719	1208.3920	36.24	31.75
N05-A001	99.99	92.82	29531.430	29531.430	1677.6129	48.00	42.09
N05-B001	92.82	90.79	29531.430	29531.430	660.7146	42.08	40.59
N05-B002	90.79	88.52	29531.430	29531.430	342.3989	40.59	39.03
N05-B003	88.52	88.30	29531.430	29531.430	272.5120	39.03	38.95
N05-B004	88.30	86.02	29531.430	29531.430	309.1821	38.95	37.44
N05-C001	86.02	79.32	29531.430	29531.430	1524.5910	37.44	33.89
N05-D001	79.32	73.43	29531.430	29531.430	1169.1326	33.89	31.36
N06-A001	99.99	100.25	29418.958	29418.958	102.3891	48.00	48.05
N06-A002	100.25	93.82	29418.958	29418.958	1321.2178	48.05	42.79
N06-B001	93.82	92.55	29418.958	29418.958	584.0445	42.79	41.74
N06-B002	92.55	87.94	29418.958	29418.958	1006.5342	41.74	38.55
N06-C001	87.94	83.35	29418.958	29418.959	1118.3760	38.55	35.87
N06-D001	83.35	78.62	29418.959	29418.959	859.4180	35.87	33.28
N06-E001	78.62	73.41	29418.959	29418.959	1002.7902	33.28	31.04
N07-A001	99.99	94.77	29306.330	29306.330	1441.2262	48.00	43.37
N07-B001	94.77	91.87	29306.330	29306.330	571.8849	43.37	41.20
N07-B002	91.87	89.66	29306.330	29306.330	604.6772	41.20	39.49
N07-C001	89.66	88.67	24001.330	24001.330	573.5316	39.48	38.21
N07-C002	88.67	85.42	24001.330	24001.331	969.8528	38.21	35.26
N07-D001	85.42	81.74	24001.331	24001.331	1012.2704	35.26	32.45
N07-E001	81.74	78.44	24001.331	24001.331	942.8290	32.45	30.34
N08-A001	99.99	96.44	23910.395	23910.395	1550.7259	48.00	42.52
N08-B001	96.44	93.54	23910.395	23910.395	1188.5011	42.52	38.98
N08-B002	93.54	91.83	23910.395	23910.395	384.2148	38.98	37.46
N08-C001	91.83	90.39	23910.395	23910.395	818.7662	37.46	35.90
N08-C002	90.39	88.49	23910.395	23910.395	480.6745	35.90	34.37
N08-D001	88.49	87.70	23910.395	23910.395	493.3626	34.37	33.69
N08-D002	87.70	87.27	23910.395	23910.395	50.7517	33.69	33.39
N08-D003	87.27	84.63	23910.395	23910.395	866.9355	33.39	31.54
N10-A001	99.99	100.05	23769.890	23769.890	203.7760	43.66	43.33
N10-A002	100.05	98.49	23769.890	23769.890	268.0012	43.33	41.89
N10-A003	98.49	97.52	23769.890	23769.890	648.8171	41.89	40.34
N10-B001	96.62	93.64	23769.890	23769.890	1302.3401	39.40	36.24
N10-C001	93.64	93.35	23769.890	23769.890	199.1706	36.24	35.92
N10-C002	93.35	91.41	23769.890	23769.890	276.1827	35.92	34.49
N10-C003	91.41	90.54	23769.890	23769.890	308.7505	34.49	33.79
N10-C004							

	90.54	89.60	23769.890	23769.890	265.7796	33.79	33.09
N10-C005	89.60	90.04	23769.890	23769.890	213.9150	33.09	33.36
N10-C006	90.04	89.70	23769.890	23769.890	29.8371	33.36	33.12
N10-D001	89.70	84.10	23259.890	23259.890	1502.0462	33.12	29.38
N10-E001	84.10	84.54	23259.890	23259.890	105.1804	29.38	29.78
N10-E002	84.54	83.37	23259.890	23259.890	127.6498	29.78	29.04
N10-E003	83.37	84.35	23259.890	23259.890	104.8575	29.04	29.85
N10-E004	84.35	82.13	23259.890	23259.890	323.8928	29.85	28.53
N11-A001	100.00	98.41	23181.046	23181.046	391.6849	43.44	41.86
N11-A002	98.41	98.35	23181.046	23181.046	99.6427	41.86	41.69
N11-A003	98.35	98.98	22191.046	22191.046	233.5120	41.69	41.75
N11-A004	98.98	96.66	22191.046	22191.046	698.0517	41.75	39.36
N11-B001	96.66	95.79	22191.046	22191.046	150.6962	39.36	38.64
N11-B002	95.79	97.48	22191.046	22191.046	213.7900	38.64	39.51
N11-B003	97.48	96.49	22191.046	22191.046	630.5043	39.51	38.23
N11-B004	96.49	95.71	22191.046	22191.046	201.8443	38.23	37.56
N11-C001	95.71	95.93	22191.046	22191.046	66.1251	37.56	37.63
N11-C002	95.93	95.65	22191.046	22191.046	12.2249	37.63	37.43
N11-C003	95.65	94.93	22191.046	22191.046	609.3523	37.43	36.34
N11-C004	94.93	92.35	20877.046	20877.046	496.4896	36.34	34.18
N11-C005	92.35	92.78	20877.046	20877.046	272.3677	34.18	34.27
N11-D001	92.78	92.66	20877.046	20877.046	200.2372	34.27	34.04
N11-D002	92.66	93.04	19077.046	19077.046	151.4476	34.04	34.15
N11-D003	93.04	91.69	19077.046	19077.046	279.4227	34.15	33.00
N11-D004	91.69	91.15	19077.046	19077.046	570.8737	33.00	32.25
N11-E001	91.15	91.20	19077.046	19077.046	122.3287	32.25	32.21
N11-E002	91.20	91.36	17277.046	17277.046	239.9633	32.21	32.12
N11-E003	91.36	90.23	17277.046	17277.046	276.4484	32.12	31.16
N11-E004	90.23	89.66	17277.046	17277.046	409.4138	31.16	30.56
S01-A002	99.42	98.52	10241.547	10241.547	258.8715	38.83	36.92
S01-B001	98.52	97.96	10241.547	10241.547	154.5512	36.92	35.89
S01-B002	97.96	97.14	10241.547	10241.547	135.0149	35.89	34.85
S01-C001	97.14	96.42	10241.547	10241.547	239.7022	34.85	33.62
S01-C002	96.42	96.62	8891.547	8891.547	75.6396	33.62	33.46
S01-D001	96.62	94.92	8891.547	8891.547	421.0995	33.46	31.14
S01-E002	94.92	93.92	8891.547	8891.547	567.1397	30.35	29.03
S01-F001	93.92	92.40	8891.547	8891.547	483.3310	29.03	27.77
S01-G001	91.61	91.74	8891.547	8891.547	140.9206	26.74	26.89
S01-G002	91.74	89.92	8891.547	8891.547	428.6981	26.89	25.97
S01-H001	89.92	88.71	8681.547	8681.547	641.7406	25.97	25.79
S01-I001	88.71	88.57	8681.547	8681.547	77.8756	25.79	25.78
S01-I002	88.57	87.33	8681.547	8681.547	81.3229	25.78	25.04
S01-I003	87.33	86.48	8681.547	8681.547	489.7137	25.04	25.24
S01-J001	86.48	86.23	7691.547	7691.547	169.6308	25.24	25.30
S01-J002	86.23	84.11	7691.547	7691.547	448.2048	25.30	24.55
S01-K001							

	84.11	84.05	7691.547	7691.547	245.1713	24.55	24.96
S01-K001	84.05	84.29	7691.547	7691.547	269.7806	24.96	25.53
S01-K002	84.29	82.39	7691.547	7691.547	545.3431	25.53	24.99
S02-A001	99.68	96.49	7661.954	7661.954	615.3862	41.41	33.71
S02-B001	96.49	97.00	7661.954	7661.954	71.0566	33.71	33.60
S02-B002	97.00	95.67	7661.954	7661.954	81.0800	33.60	32.30
S02-B003	95.67	96.63	7661.954	7661.954	257.7366	32.30	31.64
S02-B004	96.63	94.73	7661.954	7661.954	117.8294	31.64	29.97
S02-B005	94.73	94.80	7661.954	7661.954	151.8956	29.97	29.51
S02-C001	94.80	95.38	7661.954	7661.954	216.4020	29.51	29.22
S02-C002	95.38	93.48	7661.954	7661.954	115.2324	29.22	27.74
S02-C003	93.48	94.07	7661.954	7661.954	30.7451	27.74	28.05
S02-C004	94.07	92.69	7661.954	7661.954	82.1576	28.05	27.02
S02-C005	92.69	93.00	7661.954	7661.954	155.3141	27.02	27.00
S02-D001	93.00	92.25	7661.954	7661.954	872.3431	27.00	25.71
S02-E002	94.94	93.04	7661.954	7661.954	92.1968	26.67	25.41
S02-E003	93.04	93.71	7661.954	7661.954	53.1422	25.41	25.81
S02-E004	93.71	91.07	7661.954	7661.954	272.1029	25.81	24.12
S02-E005	91.07	92.92	7661.954	7661.954	43.2969	24.12	25.33
S02-E006	92.92	91.71	7661.954	7661.954	165.3385	25.33	24.56
S02-G001	90.41	91.97	7661.955	7661.955	308.0582	22.70	24.05
S02-G002	91.97	88.63	7661.955	7661.955	294.1601	24.05	22.25
S02-G003	88.63	90.05	7661.955	7661.955	23.9338	22.25	23.24
S02-G004	90.05	88.47	7661.955	7661.955	60.0512	23.24	22.28
S02-G005	88.47	86.66	7661.955	7661.955	237.3225	22.28	21.59
S02-H001	86.66	88.50	7661.955	7661.955	104.5573	21.59	23.05
S02-H002	88.50	84.89	7661.955	7661.955	402.6439	23.05	21.46
S02-H003	84.89	85.55	7661.955	7661.955	244.4817	21.46	22.49
S02-H004	85.55	84.34	7661.955	7661.955	124.1966	22.49	21.92
S02-I001	84.34	82.43	7661.955	7661.955	331.1803	21.92	21.46
S02-I002	82.43	82.13	7661.955	7661.955	255.3877	21.46	21.96
S02-J001	82.13	81.25	7461.955	7461.955	500.1547	21.96	22.54
S02-J002	81.25	81.24	5661.955	5661.955	52.9399	22.54	22.64
S03-A001	66.00	65.94	591.955	591.955	11.3127	15.77	16.69
S03-A002	65.94	66.24	591.955	591.955	115.6226	16.69	20.49
S03-A003	66.24	66.06	591.955	591.955	57.3015	20.49	20.71
S03-B001	66.06	65.95	591.955	591.955	389.0718	20.71	20.99
S03-C001	65.95	65.94	591.955	591.955	149.0269	20.99	21.00
S03-C002	65.94	66.48	591.955	591.955	129.4213	21.00	21.18
S03-D001	66.48	71.24	591.955	591.955	379.6765	21.18	21.63
S03-E001	71.24	68.89	5591.955	5591.955	384.3727	20.17	19.98
S03-F001	68.89	68.26	5591.955	5591.955	42.3164	19.98	19.67
S03-F002	68.26	66.84	5591.955	5591.955	269.7091	19.67	19.96
S03-F003	66.84	65.67	5591.955	5591.955	128.1150	19.96	19.70
S03-F004	65.67	65.66	5591.955	5591.955	24.4282	19.70	19.85
S03-G001							

	65.66	61.89	4928.455	4928.455	325.0849	19.85	18.78
S03-G002	61.89	62.57	4928.455	4928.455	23.7855	18.78	19.65
S03-H001	62.57	61.99	4928.455	4928.455	8.3078	19.65	19.14
S03-H002	61.99	62.25	4928.455	4928.455	127.1619	19.14	20.29
S03-H003	62.25	59.42	4928.455	4928.455	119.5015	20.29	18.47
S03-H004	59.42	60.37	4928.455	4928.455	67.6622	18.47	20.03
S03-H005	60.37	59.17	4928.455	4928.455	19.4461	20.03	18.97
S03-H006	59.17	60.56	4928.455	4928.455	81.5714	18.97	20.97
S03-I001	60.56	60.54	3938.455	3938.455	12.0500	20.97	20.99
S03-I002	60.54	58.91	3938.455	3938.455	125.3220	20.99	19.92
S03-I003	58.91	59.28	3938.455	3938.455	96.6600	19.92	20.80
S03-J001	59.28	59.16	3938.455	3938.455	67.5952	20.80	20.90
S03-J002	59.16	58.65	3683.455	3683.455	98.8937	20.90	20.70
S03-L001	58.65	56.23	3683.455	3683.455	87.1414	20.70	18.82
S03-L002	56.23	57.84	3683.455	3683.455	76.6205	18.82	21.06
S03-L003	57.84	56.37	3683.455	3683.455	17.2122	21.06	19.58
S03-L004	56.37	57.63	3683.455	3683.455	21.3145	19.58	21.06
S03-L005	57.63	56.92	3683.455	3683.455	54.0795	21.06	20.50
S03-L006	56.92	57.27	3683.455	3683.455	96.9574	20.50	21.20
S03-M001	57.27	55.56	3250.955	3250.955	248.7867	21.20	20.31
S03-M002	55.56	56.10	3250.955	3250.955	81.5445	20.31	21.18
S03-M003	56.10	55.95	3250.955	3250.955	24.5445	21.18	21.06
S04-A001	75.00	73.07	3239.814	3239.814	136.1232	44.07	33.18
S04-A002	73.07	72.16	3239.814	3239.814	42.3929	33.18	30.65
S04-A003	72.16	73.48	3239.814	3239.814	107.2513	30.65	28.46
S04-A004	73.48	70.31	3239.814	3239.814	62.3798	28.46	24.61
S04-A005	70.31	72.21	3239.814	3239.814	36.6806	24.61	25.73
S04-B001	72.21	69.29	3239.814	3239.814	35.4922	25.73	22.87
S04-B002	69.29	69.58	3239.814	3239.814	58.1679	22.87	22.86
S04-B003	69.58	67.97	3239.814	3239.814	21.1351	22.86	21.40
S04-B004	67.97	70.11	3239.814	3239.814	78.1877	21.40	23.09
S04-B005	70.11	67.61	3239.814	3239.814	72.9260	23.09	20.84
S04-B006	67.61	68.81	3239.814	3239.814	18.1977	20.84	21.94
S04-B007	68.81	67.25	3239.814	3239.814	23.4439	21.94	20.60
S04-B008	67.25	68.22	3239.814	3239.814	33.9200	20.60	21.55
S04-B009	68.22	66.37	3239.814	3239.814	20.1969	21.55	19.94
S04-B010	66.37	66.86	3239.814	3239.814	4.1837	19.94	20.42
S04-C001	66.86	67.78	3239.814	3239.814	42.4145	20.42	21.39
S04-C002	67.78	66.70	3239.814	3239.814	29.0987	21.39	20.51
S04-C003	66.70	67.68	3239.814	3239.814	79.3189	20.51	21.61
S04-C004	67.68	66.11	3239.814	3239.814	113.0639	21.61	20.52
S04-C005	66.11	67.27	3239.814	3239.814	117.9331	20.52	21.84
S04-D001	67.27	67.27	3239.814	3239.814	146.5925	21.84	21.80
S04-D002	67.27	65.92	3239.814	3239.814	53.9582	21.80	20.69
S04-D003	65.92	66.57	3239.814	3239.814	100.5647	20.69	21.54
S04-E004							



	66.57	65.38	3239.814	3239.814	17.5021	21.54	20.50
S04-E002	65.38	66.48	3239.814	3239.814	17.9883	20.50	21.58
S04-E003	66.48	65.24	3239.814	3239.814	33.1848	21.58	20.54
S04-E004	65.24	66.23	3239.814	3239.814	18.8346	20.54	21.53
S04-E005	66.23	64.45	3239.814	3239.814	90.6849	21.53	20.24
S04-E006	64.45	65.10	3239.814	3239.814	81.4632	20.24	21.23
S04-E007	65.10	65.05	3239.814	3239.814	2.2134	21.23	21.19
S04-F001	65.05	62.47	3239.814	3239.814	50.2371	21.19	19.13
S04-F002	62.47	63.10	3239.814	3239.814	23.2910	19.13	19.98
S04-F003	63.10	62.05	3239.814	3239.814	25.0886	19.98	19.23
S04-G001	62.05	62.55	3239.814	3239.814	99.9976	19.23	20.59
S04-G002	62.55	60.84	3239.814	3239.814	54.0215	20.59	19.39
S04-G003	60.84	62.81	3239.814	3239.814	51.7417	19.39	21.65
S04-H001	62.81	62.04	3239.814	3239.814	43.3240	21.65	21.01
S04-H002	62.04	60.50	2846.314	2846.314	92.7117	21.01	20.07
S04-H003	60.50	61.16	2846.314	2846.314	17.6961	20.07	20.84
S04-H004	61.16	60.60	2846.314	2846.314	13.7230	20.84	20.35
S05-A001	74.50	74.78	2841.500	2841.500	19.7779	36.48	35.15
S05-A002	74.78	73.74	2841.500	2841.500	24.3175	35.15	32.64
S05-A003	73.74	74.70	2841.500	2841.500	63.8439	32.64	30.14
S05-A004	74.70	73.82	2409.000	2409.000	165.1039	30.14	24.21
S05-B001	73.82	72.14	2409.000	2409.000	77.2799	24.21	22.10
S05-B002	72.14	72.17	2409.000	2409.000	114.9220	22.10	21.81
S05-B003	72.17	70.53	2409.000	2409.000	15.6739	21.81	20.46
S05-B004	70.53	71.69	2409.000	2409.000	26.6034	20.46	21.52
S05-C001	71.69	70.12	2409.000	2409.000	115.3398	21.52	20.61
S05-C002	70.12	63.82	2409.000	2409.000	43.6700	20.61	16.06
S05-D001	63.82	63.90	2409.000	2409.000	208.5448	16.06	20.40
S05-D002	63.90	62.57	2409.000	2409.000	54.3099	20.40	19.78
S05-E001	62.57	62.88	2409.000	2409.000	17.0889	19.78	20.29
S05-E002	62.88	61.87	2409.000	2409.000	85.5836	20.29	20.24
S05-E003	61.87	62.54	2409.000	2409.000	15.1658	20.24	21.02
S05-E004	62.54	61.46	2409.000	2409.000	43.7786	21.02	20.32
S05-F001	61.46	61.29	2409.000	2409.000	38.9622	20.32	20.54
S05-F002	61.29	61.38	2409.000	2409.000	74.0142	20.54	21.11
S05-F003	61.38	59.30	2409.000	2409.000	134.1455	21.11	20.26
S05-G001	59.30	58.77	2409.000	2409.000	141.2582	20.26	20.97
S05-G002	58.77	57.10	2409.000	2409.000	108.3366	20.97	20.35
S05-H001	57.10	59.95	2409.000	2409.000	88.2939	20.35	23.19
S05-H002	59.95	57.98	2409.000	2409.000	30.7673	23.19	21.09
S05-H003	57.98	59.50	2409.000	2409.000	22.2439	21.09	22.65
S05-H004	59.50	57.31	2409.000	2409.000	52.0755	22.65	20.51
S05-H005	57.31	58.84	2409.000	2409.000	53.5815	20.51	22.28
S05-H006	58.84	58.61	2409.000	2409.000	20.2101	22.28	21.98
S05-I001	58.61	58.07	2409.000	2409.000	10.5277	21.98	21.42
S05-I002							

	58.07	57.80	2409.000	2409.000	81.4071	21.42	21.41
S05-I003	57.80	57.43	2409.000	2409.000	25.6983	21.41	21.13
S05-I004	57.43	56.90	2409.000	2409.000	53.6056	21.13	20.95
S05-J001	56.90	55.39	2409.000	2409.000	65.8333	20.95	20.12
S05-J002	55.39	55.79	2409.000	2409.000	20.7275	20.12	20.81
S05-J003	55.79	54.82	2409.000	2409.000	29.2913	20.81	20.13
S05-L001	54.82	54.63	2409.000	2409.000	3.1234	20.13	19.96
S05-L002	54.63	54.86	2409.000	2409.000	54.4281	19.96	20.93
S05-L003	54.86	54.34	2409.000	2409.000	41.1220	20.93	20.77
P01-A001	75.00	74.93	7000.000	7000.000	134.5720	24.64	24.66
P01-A002	74.93	74.26	7000.000	7000.000	83.4666	24.66	24.19
P01-B001	74.26	74.38	7000.000	7000.000	51.4291	24.19	24.33
P01-B002	74.38	73.17	7000.000	7000.000	200.5240	24.33	23.61
P01-B003	73.17	72.59	7000.000	7000.000	79.3247	23.61	23.28
P01-C001	72.59	73.12	7000.000	7000.000	37.7379	23.28	23.80
P01-C002	73.12	71.88	7000.000	7000.000	246.1587	23.80	23.21
P01-D001	71.88	71.93	7000.000	7000.000	23.7679	23.21	23.32
P01-D002	71.93	70.27	7000.000	7000.000	290.5381	23.32	22.66
P01-E001	70.27	69.03	7000.000	7000.000	470.9352	22.66	22.95
P01-F001	69.03	68.14	7000.000	7000.000	312.9536	22.95	23.06
P01-G001	68.14	67.83	7000.000	7000.000	95.0747	23.06	23.05
P01-G002	67.83	65.85	7000.000	7000.000	172.5385	23.05	21.87
P01-G003	65.85	66.49	7000.000	7000.000	33.0734	21.87	22.60
P01-H001	66.49	66.39	7000.000	7000.000	133.7068	22.60	22.95
P01-H002	66.39	65.10	7000.000	7000.000	79.2603	22.95	22.05
P01-H003	65.10	66.21	7000.000	7000.000	246.9783	22.05	23.88
P01-H004	66.21	65.30	7000.000	7000.000	41.2381	23.88	23.13
P01-I001	65.30	64.89	7000.000	7000.000	91.3245	23.13	23.04
P01-I002	64.89	64.53	7000.000	7000.000	267.3425	23.04	23.52
P01-J001	64.53	64.22	7000.000	7000.000	31.4318	23.52	23.31
P01-J002	64.22	64.43	7000.000	7000.000	153.1006	23.31	23.90
P01-J003	64.43	64.17	7000.000	7000.000	28.6331	23.90	23.73
P01-L001	64.17	63.29	7000.000	7000.000	125.8663	23.73	23.24
S01-F002	92.40	91.61	8891.547	8891.547	175.0798	27.77	26.74
S01-A001	99.58	99.42	10241.547	10241.547	60.5303	39.46	38.83
N10-A004	97.52	96.62	23769.890	23769.890	286.7811	40.34	39.40
S01-E001	94.92	94.77	8891.547	8891.547	137.8170	31.14	30.35
S02-E001	92.25	94.94	7661.954	7661.954	259.0438	25.71	26.67
S02-F008	90.29	92.24	7661.955	7661.955	69.4310	22.72	23.93
S02-F001	91.71	92.75	7661.954	7661.954	66.9054	24.56	25.10
S02-F002	92.75	89.31	7661.954	7661.955	255.6795	25.10	22.54
S02-F003	89.31	91.54	7661.955	7661.954	261.3988	22.54	23.78
S02-F004	91.54	90.11	7661.954	7661.955	100.6908	23.78	22.76
S02-F005	90.11	91.39	7661.955	7661.955	107.2916	22.76	23.51
S02-F006	91.39	89.77	7661.955	7661.955	50.6079	23.51	22.41
S02-F007							

	89.77	90.29	7661.955	7661.955	83.7487	22.41	22.72
S02-F009	92.24	90.41	7661.955	7661.955	41.3677	23.93	22.70
N09_A001	99.99	100.18	23845.916	23845.916	123.0618	45.89	45.75
N09_A002	100.18	98.40	23845.916	23845.917	359.9759	45.75	43.89
N09_A003	98.40	97.87	23845.917	23845.916	616.1604	43.89	42.47
N09_A004	97.87	97.32	23845.916	23845.916	81.7152	42.47	41.98
N09_A005	97.32	97.27	23845.916	23845.916	108.3214	41.98	41.78
N09_B001	97.27	97.15	23845.916	23845.916	132.3139	41.78	41.51
N09_B002	97.15	96.02	23845.916	23845.916	217.9477	41.51	40.46
N09_B003	96.02	96.35	23845.916	23845.916	100.3952	40.46	40.54
N09_B004	96.35	95.61	23845.916	23845.916	122.3863	40.54	39.91
N09_B005	95.61	95.53	23845.916	23845.916	195.1357	39.91	39.62
N09_B006	95.53	93.95	23845.916	23845.916	335.1822	39.62	38.21
N09_B007	93.95	93.15	23845.916	23845.916	431.7918	38.21	37.30
N09_C001	93.15	92.94	23845.917	23845.917	286.9725	37.30	36.93
N09_C002	92.94	90.64	23845.917	23845.917	463.8220	36.93	35.10
N09_C003	90.64	90.63	23845.917	23845.917	271.5751	35.10	34.98
N09_C004	90.63	89.59	23845.917	23845.917	126.7909	34.98	34.22
N09_C005	89.59	87.94	23845.917	23845.917	806.3747	34.22	32.93
N09_D001	87.94	87.83	23845.917	23845.917	143.7958	32.93	32.85
N09_D002	87.83	87.04	23845.917	23845.917	78.1338	32.85	32.29
N09_D003	87.04	87.15	23845.917	23845.917	238.0319	32.29	32.38
N09_D004	87.15	86.04	23845.917	23845.917	167.7159	32.38	31.61
N09_D005	86.04	86.29	23845.917	23845.917	89.3365	31.61	31.81
N09_D006	86.29	85.07	23845.917	23845.917	175.2443	31.81	30.97
N09_D007	85.07	85.39	23845.917	23845.917	136.7192	30.97	31.25
N09_D008	85.39	84.36	23845.917	23845.917	129.0774	31.25	30.54
N09_D009	84.36	84.24	23845.917	23845.917	125.5072	30.54	30.52

### Pipe Quality Summary Report : 0.000 hours

Pipe Quality Summary						
Pipe Name	Specific Gravity		Heating Value		Wobbe Index	
			MJ/m3		MJ/m3	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N01-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N02-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N02-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N02-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N02-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000

N02-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N03-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N03-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N03-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N03-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N03-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A003						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I001						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-K001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-K002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-E001						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B010	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C004						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H003						



	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-L001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F002						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000

Pipe Quality Summary						
Pipe Name	C1		C2		C3	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	89.20	89.20	5.90	5.90	1.81	1.81
N01-B001	89.20	89.20	5.90	5.90	1.81	1.81
N02-A001	89.20	89.20	5.90	5.90	1.81	1.81
N02-B001	89.20	89.20	5.90	5.90	1.81	1.81
N02-C001	89.20	89.20	5.90	5.90	1.81	1.81
N02-D001	89.20	89.20	5.90	5.90	1.81	1.81

N02-E001	89.20	89.20	5.90	5.90	1.81	1.81
N03-A001	89.20	89.20	5.90	5.90	1.81	1.81
N03-B001	89.20	89.20	5.90	5.90	1.81	1.81
N03-C001	89.20	89.20	5.90	5.90	1.81	1.81
N03-D001	89.20	89.20	5.90	5.90	1.81	1.81
N03-E001	89.20	89.20	5.90	5.90	1.81	1.81
N04-A001	89.20	89.20	5.90	5.90	1.81	1.81
N04-A002	89.20	89.20	5.90	5.90	1.81	1.81
N04-A003	89.20	89.20	5.90	5.90	1.81	1.81
N04-B001	89.20	89.20	5.90	5.90	1.81	1.81
N04-C001	89.20	89.20	5.90	5.90	1.81	1.81
N04-C002	89.20	89.20	5.90	5.90	1.81	1.81
N04-C003	89.20	89.20	5.90	5.90	1.81	1.81
N04-D001	89.20	89.20	5.90	5.90	1.81	1.81
N05-A001	89.20	89.20	5.90	5.90	1.81	1.81
N05-B001	89.20	89.20	5.90	5.90	1.81	1.81
N05-B002	89.20	89.20	5.90	5.90	1.81	1.81
N05-B003	89.20	89.20	5.90	5.90	1.81	1.81
N05-B004	89.20	89.20	5.90	5.90	1.81	1.81
N05-C001	89.20	89.20	5.90	5.90	1.81	1.81
N05-D001	89.20	89.20	5.90	5.90	1.81	1.81
N06-A001	89.20	89.20	5.90	5.90	1.81	1.81
N06-A002	89.20	89.20	5.90	5.90	1.81	1.81
N06-B001	89.20	89.20	5.90	5.90	1.81	1.81
N06-B002	89.20	89.20	5.90	5.90	1.81	1.81
N06-C001	89.20	89.20	5.90	5.90	1.81	1.81
N06-D001	89.20	89.20	5.90	5.90	1.81	1.81
N06-E001	89.20	89.20	5.90	5.90	1.81	1.81
N07-A001	89.20	89.20	5.90	5.90	1.81	1.81
N07-B001	89.20	89.20	5.90	5.90	1.81	1.81
N07-B002	89.20	89.20	5.90	5.90	1.81	1.81
N07-C001	89.20	89.20	5.90	5.90	1.81	1.81
N07-C002	89.20	89.20	5.90	5.90	1.81	1.81
N07-D001	89.20	89.20	5.90	5.90	1.81	1.81
N07-E001	89.20	89.20	5.90	5.90	1.81	1.81
N08-A001	89.20	89.20	5.90	5.90	1.81	1.81
N08-B001	89.20	89.20	5.90	5.90	1.81	1.81
N08-B002	89.20	89.20	5.90	5.90	1.81	1.81
N08-C001	89.20	89.20	5.90	5.90	1.81	1.81
N08-C002	89.20	89.20	5.90	5.90	1.81	1.81
N08-D001	89.20	89.20	5.90	5.90	1.81	1.81
N08-D002	89.20	89.20	5.90	5.90	1.81	1.81
N08-D003	89.20	89.20	5.90	5.90	1.81	1.81
N10-A001	89.20	89.20	5.90	5.90	1.81	1.81
N10-A002	89.20	89.20	5.90	5.90	1.81	1.81
N10-A003						

	89.20	89.20	5.90	5.90	1.81	1.81
N10-B001	89.20	89.20	5.90	5.90	1.81	1.81
N10-C001	89.20	89.20	5.90	5.90	1.81	1.81
N10-C002	89.20	89.20	5.90	5.90	1.81	1.81
N10-C003	89.20	89.20	5.90	5.90	1.81	1.81
N10-C004	89.20	89.20	5.90	5.90	1.81	1.81
N10-C005	89.20	89.20	5.90	5.90	1.81	1.81
N10-C006	89.20	89.20	5.90	5.90	1.81	1.81
N10-D001	89.20	89.20	5.90	5.90	1.81	1.81
N10-E001	89.20	89.20	5.90	5.90	1.81	1.81
N10-E002	89.20	89.20	5.90	5.90	1.81	1.81
N10-E003	89.20	89.20	5.90	5.90	1.81	1.81
N10-E004	89.20	89.20	5.90	5.90	1.81	1.81
N11-A001	89.20	89.20	5.90	5.90	1.81	1.81
N11-A002	89.20	89.20	5.90	5.90	1.81	1.81
N11-A003	89.20	89.20	5.90	5.90	1.81	1.81
N11-A004	89.20	89.20	5.90	5.90	1.81	1.81
N11-B001	89.20	89.20	5.90	5.90	1.81	1.81
N11-B002	89.20	89.20	5.90	5.90	1.81	1.81
N11-B003	89.20	89.20	5.90	5.90	1.81	1.81
N11-B004	89.20	89.20	5.90	5.90	1.81	1.81
N11-C001	89.20	89.20	5.90	5.90	1.81	1.81
N11-C002	89.20	89.20	5.90	5.90	1.81	1.81
N11-C003	89.20	89.20	5.90	5.90	1.81	1.81
N11-C004	89.20	89.20	5.90	5.90	1.81	1.81
N11-C005	89.20	89.20	5.90	5.90	1.81	1.81
N11-D001	89.20	89.20	5.90	5.90	1.81	1.81
N11-D002	89.20	89.20	5.90	5.90	1.81	1.81
N11-D003	89.20	89.20	5.90	5.90	1.81	1.81
N11-D004	89.20	89.20	5.90	5.90	1.81	1.81
N11-E001	89.20	89.20	5.90	5.90	1.81	1.81
N11-E002	89.20	89.20	5.90	5.90	1.81	1.81
N11-E003	89.20	89.20	5.90	5.90	1.81	1.81
N11-E004	89.20	89.20	5.90	5.90	1.81	1.81
S01-A002	89.20	89.20	5.90	5.90	1.81	1.81
S01-B001	89.20	89.20	5.90	5.90	1.81	1.81
S01-B002	89.20	89.20	5.90	5.90	1.81	1.81
S01-C001	89.20	89.20	5.90	5.90	1.81	1.81
S01-C002	89.20	89.20	5.90	5.90	1.81	1.81
S01-D001	89.20	89.20	5.90	5.90	1.81	1.81
S01-E002	89.20	89.20	5.90	5.90	1.81	1.81
S01-F001	89.20	89.20	5.90	5.90	1.81	1.81
S01-G001	89.20	89.20	5.90	5.90	1.81	1.81
S01-G002	89.20	89.20	5.90	5.90	1.81	1.81
S01-H001	89.20	89.20	5.90	5.90	1.81	1.81
S01-I001						

	89.20	89.20	5.90	5.90	1.81	1.81
S01-I002	89.20	89.20	5.90	5.90	1.81	1.81
S01-I003	89.20	89.20	5.90	5.90	1.81	1.81
S01-J001	89.20	89.20	5.90	5.90	1.81	1.81
S01-J002	89.20	89.20	5.90	5.90	1.81	1.81
S01-J003	89.20	89.20	5.90	5.90	1.81	1.81
S01-K001	89.20	89.20	5.90	5.90	1.81	1.81
S01-K002	89.20	89.20	5.90	5.90	1.81	1.81
S02-A001	89.20	89.20	5.90	5.90	1.81	1.81
S02-B001	89.20	89.20	5.90	5.90	1.81	1.81
S02-B002	89.20	89.20	5.90	5.90	1.81	1.81
S02-B003	89.20	89.20	5.90	5.90	1.81	1.81
S02-B004	89.20	89.20	5.90	5.90	1.81	1.81
S02-B005	89.20	89.20	5.90	5.90	1.81	1.81
S02-C001	89.20	89.20	5.90	5.90	1.81	1.81
S02-C002	89.20	89.20	5.90	5.90	1.81	1.81
S02-C003	89.20	89.20	5.90	5.90	1.81	1.81
S02-C004	89.20	89.20	5.90	5.90	1.81	1.81
S02-C005	89.20	89.20	5.90	5.90	1.81	1.81
S02-D001	89.20	89.20	5.90	5.90	1.81	1.81
S02-E002	89.20	89.20	5.90	5.90	1.81	1.81
S02-E003	89.20	89.20	5.90	5.90	1.81	1.81
S02-E004	89.20	89.20	5.90	5.90	1.81	1.81
S02-E005	89.20	89.20	5.90	5.90	1.81	1.81
S02-E006	89.20	89.20	5.90	5.90	1.81	1.81
S02-G001	89.20	89.20	5.90	5.90	1.81	1.81
S02-G002	89.20	89.20	5.90	5.90	1.81	1.81
S02-G003	89.20	89.20	5.90	5.90	1.81	1.81
S02-G004	89.20	89.20	5.90	5.90	1.81	1.81
S02-G005	89.20	89.20	5.90	5.90	1.81	1.81
S02-H001	89.20	89.20	5.90	5.90	1.81	1.81
S02-H002	89.20	89.20	5.90	5.90	1.81	1.81
S02-H003	89.20	89.20	5.90	5.90	1.81	1.81
S02-H004	89.20	89.20	5.90	5.90	1.81	1.81
S02-I001	89.20	89.20	5.90	5.90	1.81	1.81
S02-I002	89.20	89.20	5.90	5.90	1.81	1.81
S02-J001	89.20	89.20	5.90	5.90	1.81	1.81
S02-J002	89.20	89.20	5.90	5.90	1.81	1.81
S03-A001	89.20	89.20	5.90	5.90	1.81	1.81
S03-A002	89.20	89.20	5.90	5.90	1.81	1.81
S03-A003	89.20	89.20	5.90	5.90	1.81	1.81
S03-B001	89.20	89.20	5.90	5.90	1.81	1.81
S03-C001	89.20	89.20	5.90	5.90	1.81	1.81
S03-C002	89.20	89.20	5.90	5.90	1.81	1.81
S03-D001	89.20	89.20	5.90	5.90	1.81	1.81
S03-E001						

	89.20	89.20	5.90	5.90	1.81	1.81
S03-F001	89.20	89.20	5.90	5.90	1.81	1.81
S03-F002	89.20	89.20	5.90	5.90	1.81	1.81
S03-F003	89.20	89.20	5.90	5.90	1.81	1.81
S03-F004	89.20	89.20	5.90	5.90	1.81	1.81
S03-G001	89.20	89.20	5.90	5.90	1.81	1.81
S03-G002	89.20	89.20	5.90	5.90	1.81	1.81
S03-H001	89.20	89.20	5.90	5.90	1.81	1.81
S03-H002	89.20	89.20	5.90	5.90	1.81	1.81
S03-H003	89.20	89.20	5.90	5.90	1.81	1.81
S03-H004	89.20	89.20	5.90	5.90	1.81	1.81
S03-H005	89.20	89.20	5.90	5.90	1.81	1.81
S03-H006	89.20	89.20	5.90	5.90	1.81	1.81
S03-I001	89.20	89.20	5.90	5.90	1.81	1.81
S03-I002	89.20	89.20	5.90	5.90	1.81	1.81
S03-I003	89.20	89.20	5.90	5.90	1.81	1.81
S03-J001	89.20	89.20	5.90	5.90	1.81	1.81
S03-J002	89.20	89.20	5.90	5.90	1.81	1.81
S03-L001	89.20	89.20	5.90	5.90	1.81	1.81
S03-L002	89.20	89.20	5.90	5.90	1.81	1.81
S03-L003	89.20	89.20	5.90	5.90	1.81	1.81
S03-L004	89.20	89.20	5.90	5.90	1.81	1.81
S03-L005	89.20	89.20	5.90	5.90	1.81	1.81
S03-L006	89.20	89.20	5.90	5.90	1.81	1.81
S03-M001	89.20	89.20	5.90	5.90	1.81	1.81
S03-M002	89.20	89.20	5.90	5.90	1.81	1.81
S03-M003	89.20	89.20	5.90	5.90	1.81	1.81
S04-A001	89.20	89.20	5.90	5.90	1.81	1.81
S04-A002	89.20	89.20	5.90	5.90	1.81	1.81
S04-A003	89.20	89.20	5.90	5.90	1.81	1.81
S04-A004	89.20	89.20	5.90	5.90	1.81	1.81
S04-A005	89.20	89.20	5.90	5.90	1.81	1.81
S04-B001	89.20	89.20	5.90	5.90	1.81	1.81
S04-B002	89.20	89.20	5.90	5.90	1.81	1.81
S04-B003	89.20	89.20	5.90	5.90	1.81	1.81
S04-B004	89.20	89.20	5.90	5.90	1.81	1.81
S04-B005	89.20	89.20	5.90	5.90	1.81	1.81
S04-B006	89.20	89.20	5.90	5.90	1.81	1.81
S04-B007	89.20	89.20	5.90	5.90	1.81	1.81
S04-B008	89.20	89.20	5.90	5.90	1.81	1.81
S04-B009	89.20	89.20	5.90	5.90	1.81	1.81
S04-B010	89.20	89.20	5.90	5.90	1.81	1.81
S04-C001	89.20	89.20	5.90	5.90	1.81	1.81
S04-C002	89.20	89.20	5.90	5.90	1.81	1.81
S04-C003	89.20	89.20	5.90	5.90	1.81	1.81
S04-C004						

	89.20	89.20	5.90	5.90	1.81	1.81
S04-C005	89.20	89.20	5.90	5.90	1.81	1.81
S04-D001	89.20	89.20	5.90	5.90	1.81	1.81
S04-D002	89.20	89.20	5.90	5.90	1.81	1.81
S04-D003	89.20	89.20	5.90	5.90	1.81	1.81
S04-E001	89.20	89.20	5.90	5.90	1.81	1.81
S04-E002	89.20	89.20	5.90	5.90	1.81	1.81
S04-E003	89.20	89.20	5.90	5.90	1.81	1.81
S04-E004	89.20	89.20	5.90	5.90	1.81	1.81
S04-E005	89.20	89.20	5.90	5.90	1.81	1.81
S04-E006	89.20	89.20	5.90	5.90	1.81	1.81
S04-E007	89.20	89.20	5.90	5.90	1.81	1.81
S04-F001	89.20	89.20	5.90	5.90	1.81	1.81
S04-F002	89.20	89.20	5.90	5.90	1.81	1.81
S04-F003	89.20	89.20	5.90	5.90	1.81	1.81
S04-G001	89.20	89.20	5.90	5.90	1.81	1.81
S04-G002	89.20	89.20	5.90	5.90	1.81	1.81
S04-G003	89.20	89.20	5.90	5.90	1.81	1.81
S04-H001	89.20	89.20	5.90	5.90	1.81	1.81
S04-H002	89.20	89.20	5.90	5.90	1.81	1.81
S04-H003	89.20	89.20	5.90	5.90	1.81	1.81
S04-H004	89.20	89.20	5.90	5.90	1.81	1.81
S05-A001	89.20	89.20	5.90	5.90	1.81	1.81
S05-A002	89.20	89.20	5.90	5.90	1.81	1.81
S05-A003	89.20	89.20	5.90	5.90	1.81	1.81
S05-A004	89.20	89.20	5.90	5.90	1.81	1.81
S05-B001	89.20	89.20	5.90	5.90	1.81	1.81
S05-B002	89.20	89.20	5.90	5.90	1.81	1.81
S05-B003	89.20	89.20	5.90	5.90	1.81	1.81
S05-B004	89.20	89.20	5.90	5.90	1.81	1.81
S05-C001	89.20	89.20	5.90	5.90	1.81	1.81
S05-C002	89.20	89.20	5.90	5.90	1.81	1.81
S05-D001	89.20	89.20	5.90	5.90	1.81	1.81
S05-D002	89.20	89.20	5.90	5.90	1.81	1.81
S05-E001	89.20	89.20	5.90	5.90	1.81	1.81
S05-E002	89.20	89.20	5.90	5.90	1.81	1.81
S05-E003	89.20	89.20	5.90	5.90	1.81	1.81
S05-E004	89.20	89.20	5.90	5.90	1.81	1.81
S05-F001	89.20	89.20	5.90	5.90	1.81	1.81
S05-F002	89.20	89.20	5.90	5.90	1.81	1.81
S05-F003	89.20	89.20	5.90	5.90	1.81	1.81
S05-G001	89.20	89.20	5.90	5.90	1.81	1.81
S05-G002	89.20	89.20	5.90	5.90	1.81	1.81
S05-H001	89.20	89.20	5.90	5.90	1.81	1.81
S05-H002	89.20	89.20	5.90	5.90	1.81	1.81
S05-H003						

	89.20	89.20	5.90	5.90	1.81	1.81
S05-H004	89.20	89.20	5.90	5.90	1.81	1.81
S05-H005	89.20	89.20	5.90	5.90	1.81	1.81
S05-H006	89.20	89.20	5.90	5.90	1.81	1.81
S05-I001	89.20	89.20	5.90	5.90	1.81	1.81
S05-I002	89.20	89.20	5.90	5.90	1.81	1.81
S05-I003	89.20	89.20	5.90	5.90	1.81	1.81
S05-I004	89.20	89.20	5.90	5.90	1.81	1.81
S05-J001	89.20	89.20	5.90	5.90	1.81	1.81
S05-J002	89.20	89.20	5.90	5.90	1.81	1.81
S05-J003	89.20	89.20	5.90	5.90	1.81	1.81
S05-L001	89.20	89.20	5.90	5.90	1.81	1.81
S05-L002	89.20	89.20	5.90	5.90	1.81	1.81
S05-L003	89.20	89.20	5.90	5.90	1.81	1.81
P01-A001	89.20	89.20	5.90	5.90	1.81	1.81
P01-A002	89.20	89.20	5.90	5.90	1.81	1.81
P01-B001	89.20	89.20	5.90	5.90	1.81	1.81
P01-B002	89.20	89.20	5.90	5.90	1.81	1.81
P01-B003	89.20	89.20	5.90	5.90	1.81	1.81
P01-C001	89.20	89.20	5.90	5.90	1.81	1.81
P01-C002	89.20	89.20	5.90	5.90	1.81	1.81
P01-D001	89.20	89.20	5.90	5.90	1.81	1.81
P01-D002	89.20	89.20	5.90	5.90	1.81	1.81
P01-E001	89.20	89.20	5.90	5.90	1.81	1.81
P01-F001	89.20	89.20	5.90	5.90	1.81	1.81
P01-G001	89.20	89.20	5.90	5.90	1.81	1.81
P01-G002	89.20	89.20	5.90	5.90	1.81	1.81
P01-G003	89.20	89.20	5.90	5.90	1.81	1.81
P01-H001	89.20	89.20	5.90	5.90	1.81	1.81
P01-H002	89.20	89.20	5.90	5.90	1.81	1.81
P01-H003	89.20	89.20	5.90	5.90	1.81	1.81
P01-H004	89.20	89.20	5.90	5.90	1.81	1.81
P01-I001	89.20	89.20	5.90	5.90	1.81	1.81
P01-I002	89.20	89.20	5.90	5.90	1.81	1.81
P01-J001	89.20	89.20	5.90	5.90	1.81	1.81
P01-J002	89.20	89.20	5.90	5.90	1.81	1.81
P01-J003	89.20	89.20	5.90	5.90	1.81	1.81
P01-L001	89.20	89.20	5.90	5.90	1.81	1.81
S01-F002	89.20	89.20	5.90	5.90	1.81	1.81
S01-A001	89.20	89.20	5.90	5.90	1.81	1.81
N10-A004	89.20	89.20	5.90	5.90	1.81	1.81
S01-E001	89.20	89.20	5.90	5.90	1.81	1.81
S02-E001	89.20	89.20	5.90	5.90	1.81	1.81
S02-F008	89.20	89.20	5.90	5.90	1.81	1.81
S02-F001	89.20	89.20	5.90	5.90	1.81	1.81
S02-F002						



	89.20	89.20	5.90	5.90	1.81	1.81
S02-F003	89.20	89.20	5.90	5.90	1.81	1.81
S02-F004	89.20	89.20	5.90	5.90	1.81	1.81
S02-F005	89.20	89.20	5.90	5.90	1.81	1.81
S02-F006	89.20	89.20	5.90	5.90	1.81	1.81
S02-F007	89.20	89.20	5.90	5.90	1.81	1.81
S02-F009	89.20	89.20	5.90	5.90	1.81	1.81
N09_A001	89.20	89.20	5.90	5.90	1.81	1.81
N09_A002	89.20	89.20	5.90	5.90	1.81	1.81
N09_A003	89.20	89.20	5.90	5.90	1.81	1.81
N09_A004	89.20	89.20	5.90	5.90	1.81	1.81
N09_A005	89.20	89.20	5.90	5.90	1.81	1.81
N09_B001	89.20	89.20	5.90	5.90	1.81	1.81
N09_B002	89.20	89.20	5.90	5.90	1.81	1.81
N09_B003	89.20	89.20	5.90	5.90	1.81	1.81
N09_B004	89.20	89.20	5.90	5.90	1.81	1.81
N09_B005	89.20	89.20	5.90	5.90	1.81	1.81
N09_B006	89.20	89.20	5.90	5.90	1.81	1.81
N09_B007	89.20	89.20	5.90	5.90	1.81	1.81
N09_C001	89.20	89.20	5.90	5.90	1.81	1.81
N09_C002	89.20	89.20	5.90	5.90	1.81	1.81
N09_C003	89.20	89.20	5.90	5.90	1.81	1.81
N09_C004	89.20	89.20	5.90	5.90	1.81	1.81
N09_C005	89.20	89.20	5.90	5.90	1.81	1.81
N09_D001	89.20	89.20	5.90	5.90	1.81	1.81
N09_D002	89.20	89.20	5.90	5.90	1.81	1.81
N09_D003	89.20	89.20	5.90	5.90	1.81	1.81
N09_D004	89.20	89.20	5.90	5.90	1.81	1.81
N09_D005	89.20	89.20	5.90	5.90	1.81	1.81
N09_D006	89.20	89.20	5.90	5.90	1.81	1.81
N09_D007	89.20	89.20	5.90	5.90	1.81	1.81
N09_D008	89.20	89.20	5.90	5.90	1.81	1.81
N09_D009	89.20	89.20	5.90	5.90	1.81	1.81

Pipe Quality Summary						
Pipe Name	IC4		NC4		IC5	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	0.29	0.29	0.40	0.40	0.12	0.12
N01-B001	0.29	0.29	0.40	0.40	0.12	0.12
N02-A001	0.29	0.29	0.40	0.40	0.12	0.12
N02-B001	0.29	0.29	0.40	0.40	0.12	0.12
N02-C001	0.29	0.29	0.40	0.40	0.12	0.12
N02-D001	0.29	0.29	0.40	0.40	0.12	0.12

N02-E001	0.29	0.29	0.40	0.40	0.12	0.12
N03-A001	0.29	0.29	0.40	0.40	0.12	0.12
N03-B001	0.29	0.29	0.40	0.40	0.12	0.12
N03-C001	0.29	0.29	0.40	0.40	0.12	0.12
N03-D001	0.29	0.29	0.40	0.40	0.12	0.12
N03-E001	0.29	0.29	0.40	0.40	0.12	0.12
N04-A001	0.29	0.29	0.40	0.40	0.12	0.12
N04-A002	0.29	0.29	0.40	0.40	0.12	0.12
N04-A003	0.29	0.29	0.40	0.40	0.12	0.12
N04-B001	0.29	0.29	0.40	0.40	0.12	0.12
N04-C001	0.29	0.29	0.40	0.40	0.12	0.12
N04-C002	0.29	0.29	0.40	0.40	0.12	0.12
N04-C003	0.29	0.29	0.40	0.40	0.12	0.12
N04-D001	0.29	0.29	0.40	0.40	0.12	0.12
N05-A001	0.29	0.29	0.40	0.40	0.12	0.12
N05-B001	0.29	0.29	0.40	0.40	0.12	0.12
N05-B002	0.29	0.29	0.40	0.40	0.12	0.12
N05-B003	0.29	0.29	0.40	0.40	0.12	0.12
N05-B004	0.29	0.29	0.40	0.40	0.12	0.12
N05-C001	0.29	0.29	0.40	0.40	0.12	0.12
N05-D001	0.29	0.29	0.40	0.40	0.12	0.12
N06-A001	0.29	0.29	0.40	0.40	0.12	0.12
N06-A002	0.29	0.29	0.40	0.40	0.12	0.12
N06-B001	0.29	0.29	0.40	0.40	0.12	0.12
N06-B002	0.29	0.29	0.40	0.40	0.12	0.12
N06-C001	0.29	0.29	0.40	0.40	0.12	0.12
N06-D001	0.29	0.29	0.40	0.40	0.12	0.12
N06-E001	0.29	0.29	0.40	0.40	0.12	0.12
N07-A001	0.29	0.29	0.40	0.40	0.12	0.12
N07-B001	0.29	0.29	0.40	0.40	0.12	0.12
N07-B002	0.29	0.29	0.40	0.40	0.12	0.12
N07-C001	0.29	0.29	0.40	0.40	0.12	0.12
N07-C002	0.29	0.29	0.40	0.40	0.12	0.12
N07-D001	0.29	0.29	0.40	0.40	0.12	0.12
N07-E001	0.29	0.29	0.40	0.40	0.12	0.12
N08-A001	0.29	0.29	0.40	0.40	0.12	0.12
N08-B001	0.29	0.29	0.40	0.40	0.12	0.12
N08-B002	0.29	0.29	0.40	0.40	0.12	0.12
N08-C001	0.29	0.29	0.40	0.40	0.12	0.12
N08-C002	0.29	0.29	0.40	0.40	0.12	0.12
N08-D001	0.29	0.29	0.40	0.40	0.12	0.12
N08-D002	0.29	0.29	0.40	0.40	0.12	0.12
N08-D003	0.29	0.29	0.40	0.40	0.12	0.12
N10-A001	0.29	0.29	0.40	0.40	0.12	0.12
N10-A002	0.29	0.29	0.40	0.40	0.12	0.12
N10-A003						

	0.29	0.29	0.40	0.40	0.12	0.12
N10-B001	0.29	0.29	0.40	0.40	0.12	0.12
N10-C001	0.29	0.29	0.40	0.40	0.12	0.12
N10-C002	0.29	0.29	0.40	0.40	0.12	0.12
N10-C003	0.29	0.29	0.40	0.40	0.12	0.12
N10-C004	0.29	0.29	0.40	0.40	0.12	0.12
N10-C005	0.29	0.29	0.40	0.40	0.12	0.12
N10-C006	0.29	0.29	0.40	0.40	0.12	0.12
N10-D001	0.29	0.29	0.40	0.40	0.12	0.12
N10-E001	0.29	0.29	0.40	0.40	0.12	0.12
N10-E002	0.29	0.29	0.40	0.40	0.12	0.12
N10-E003	0.29	0.29	0.40	0.40	0.12	0.12
N10-E004	0.29	0.29	0.40	0.40	0.12	0.12
N11-A001	0.29	0.29	0.40	0.40	0.12	0.12
N11-A002	0.29	0.29	0.40	0.40	0.12	0.12
N11-A003	0.29	0.29	0.40	0.40	0.12	0.12
N11-A004	0.29	0.29	0.40	0.40	0.12	0.12
N11-B001	0.29	0.29	0.40	0.40	0.12	0.12
N11-B002	0.29	0.29	0.40	0.40	0.12	0.12
N11-B003	0.29	0.29	0.40	0.40	0.12	0.12
N11-B004	0.29	0.29	0.40	0.40	0.12	0.12
N11-C001	0.29	0.29	0.40	0.40	0.12	0.12
N11-C002	0.29	0.29	0.40	0.40	0.12	0.12
N11-C003	0.29	0.29	0.40	0.40	0.12	0.12
N11-C004	0.29	0.29	0.40	0.40	0.12	0.12
N11-C005	0.29	0.29	0.40	0.40	0.12	0.12
N11-D001	0.29	0.29	0.40	0.40	0.12	0.12
N11-D002	0.29	0.29	0.40	0.40	0.12	0.12
N11-D003	0.29	0.29	0.40	0.40	0.12	0.12
N11-D004	0.29	0.29	0.40	0.40	0.12	0.12
N11-E001	0.29	0.29	0.40	0.40	0.12	0.12
N11-E002	0.29	0.29	0.40	0.40	0.12	0.12
N11-E003	0.29	0.29	0.40	0.40	0.12	0.12
N11-E004	0.29	0.29	0.40	0.40	0.12	0.12
S01-A002	0.29	0.29	0.40	0.40	0.12	0.12
S01-B001	0.29	0.29	0.40	0.40	0.12	0.12
S01-B002	0.29	0.29	0.40	0.40	0.12	0.12
S01-C001	0.29	0.29	0.40	0.40	0.12	0.12
S01-C002	0.29	0.29	0.40	0.40	0.12	0.12
S01-D001	0.29	0.29	0.40	0.40	0.12	0.12
S01-E002	0.29	0.29	0.40	0.40	0.12	0.12
S01-F001	0.29	0.29	0.40	0.40	0.12	0.12
S01-G001	0.29	0.29	0.40	0.40	0.12	0.12
S01-G002	0.29	0.29	0.40	0.40	0.12	0.12
S01-H001	0.29	0.29	0.40	0.40	0.12	0.12
S01-I001						

	0.29	0.29	0.40	0.40	0.12	0.12
S01-I002	0.29	0.29	0.40	0.40	0.12	0.12
S01-I003	0.29	0.29	0.40	0.40	0.12	0.12
S01-J001	0.29	0.29	0.40	0.40	0.12	0.12
S01-J002	0.29	0.29	0.40	0.40	0.12	0.12
S01-J003	0.29	0.29	0.40	0.40	0.12	0.12
S01-K001	0.29	0.29	0.40	0.40	0.12	0.12
S01-K002	0.29	0.29	0.40	0.40	0.12	0.12
S02-A001	0.29	0.29	0.40	0.40	0.12	0.12
S02-B001	0.29	0.29	0.40	0.40	0.12	0.12
S02-B002	0.29	0.29	0.40	0.40	0.12	0.12
S02-B003	0.29	0.29	0.40	0.40	0.12	0.12
S02-B004	0.29	0.29	0.40	0.40	0.12	0.12
S02-B005	0.29	0.29	0.40	0.40	0.12	0.12
S02-C001	0.29	0.29	0.40	0.40	0.12	0.12
S02-C002	0.29	0.29	0.40	0.40	0.12	0.12
S02-C003	0.29	0.29	0.40	0.40	0.12	0.12
S02-C004	0.29	0.29	0.40	0.40	0.12	0.12
S02-C005	0.29	0.29	0.40	0.40	0.12	0.12
S02-D001	0.29	0.29	0.40	0.40	0.12	0.12
S02-E002	0.29	0.29	0.40	0.40	0.12	0.12
S02-E003	0.29	0.29	0.40	0.40	0.12	0.12
S02-E004	0.29	0.29	0.40	0.40	0.12	0.12
S02-E005	0.29	0.29	0.40	0.40	0.12	0.12
S02-E006	0.29	0.29	0.40	0.40	0.12	0.12
S02-G001	0.29	0.29	0.40	0.40	0.12	0.12
S02-G002	0.29	0.29	0.40	0.40	0.12	0.12
S02-G003	0.29	0.29	0.40	0.40	0.12	0.12
S02-G004	0.29	0.29	0.40	0.40	0.12	0.12
S02-G005	0.29	0.29	0.40	0.40	0.12	0.12
S02-H001	0.29	0.29	0.40	0.40	0.12	0.12
S02-H002	0.29	0.29	0.40	0.40	0.12	0.12
S02-H003	0.29	0.29	0.40	0.40	0.12	0.12
S02-H004	0.29	0.29	0.40	0.40	0.12	0.12
S02-I001	0.29	0.29	0.40	0.40	0.12	0.12
S02-I002	0.29	0.29	0.40	0.40	0.12	0.12
S02-J001	0.29	0.29	0.40	0.40	0.12	0.12
S02-J002	0.29	0.29	0.40	0.40	0.12	0.12
S03-A001	0.29	0.29	0.40	0.40	0.12	0.12
S03-A002	0.29	0.29	0.40	0.40	0.12	0.12
S03-A003	0.29	0.29	0.40	0.40	0.12	0.12
S03-B001	0.29	0.29	0.40	0.40	0.12	0.12
S03-C001	0.29	0.29	0.40	0.40	0.12	0.12
S03-C002	0.29	0.29	0.40	0.40	0.12	0.12
S03-D001	0.29	0.29	0.40	0.40	0.12	0.12
S03-E001						

	0.29	0.29	0.40	0.40	0.12	0.12
S03-F001	0.29	0.29	0.40	0.40	0.12	0.12
S03-F002	0.29	0.29	0.40	0.40	0.12	0.12
S03-F003	0.29	0.29	0.40	0.40	0.12	0.12
S03-F004	0.29	0.29	0.40	0.40	0.12	0.12
S03-G001	0.29	0.29	0.40	0.40	0.12	0.12
S03-G002	0.29	0.29	0.40	0.40	0.12	0.12
S03-H001	0.29	0.29	0.40	0.40	0.12	0.12
S03-H002	0.29	0.29	0.40	0.40	0.12	0.12
S03-H003	0.29	0.29	0.40	0.40	0.12	0.12
S03-H004	0.29	0.29	0.40	0.40	0.12	0.12
S03-H005	0.29	0.29	0.40	0.40	0.12	0.12
S03-H006	0.29	0.29	0.40	0.40	0.12	0.12
S03-I001	0.29	0.29	0.40	0.40	0.12	0.12
S03-I002	0.29	0.29	0.40	0.40	0.12	0.12
S03-I003	0.29	0.29	0.40	0.40	0.12	0.12
S03-J001	0.29	0.29	0.40	0.40	0.12	0.12
S03-J002	0.29	0.29	0.40	0.40	0.12	0.12
S03-L001	0.29	0.29	0.40	0.40	0.12	0.12
S03-L002	0.29	0.29	0.40	0.40	0.12	0.12
S03-L003	0.29	0.29	0.40	0.40	0.12	0.12
S03-L004	0.29	0.29	0.40	0.40	0.12	0.12
S03-L005	0.29	0.29	0.40	0.40	0.12	0.12
S03-L006	0.29	0.29	0.40	0.40	0.12	0.12
S03-M001	0.29	0.29	0.40	0.40	0.12	0.12
S03-M002	0.29	0.29	0.40	0.40	0.12	0.12
S03-M003	0.29	0.29	0.40	0.40	0.12	0.12
S04-A001	0.29	0.29	0.40	0.40	0.12	0.12
S04-A002	0.29	0.29	0.40	0.40	0.12	0.12
S04-A003	0.29	0.29	0.40	0.40	0.12	0.12
S04-A004	0.29	0.29	0.40	0.40	0.12	0.12
S04-A005	0.29	0.29	0.40	0.40	0.12	0.12
S04-B001	0.29	0.29	0.40	0.40	0.12	0.12
S04-B002	0.29	0.29	0.40	0.40	0.12	0.12
S04-B003	0.29	0.29	0.40	0.40	0.12	0.12
S04-B004	0.29	0.29	0.40	0.40	0.12	0.12
S04-B005	0.29	0.29	0.40	0.40	0.12	0.12
S04-B006	0.29	0.29	0.40	0.40	0.12	0.12
S04-B007	0.29	0.29	0.40	0.40	0.12	0.12
S04-B008	0.29	0.29	0.40	0.40	0.12	0.12
S04-B009	0.29	0.29	0.40	0.40	0.12	0.12
S04-B010	0.29	0.29	0.40	0.40	0.12	0.12
S04-C001	0.29	0.29	0.40	0.40	0.12	0.12
S04-C002	0.29	0.29	0.40	0.40	0.12	0.12
S04-C003	0.29	0.29	0.40	0.40	0.12	0.12
S04-C004						

	0.29	0.29	0.40	0.40	0.12	0.12
S04-C005	0.29	0.29	0.40	0.40	0.12	0.12
S04-D001	0.29	0.29	0.40	0.40	0.12	0.12
S04-D002	0.29	0.29	0.40	0.40	0.12	0.12
S04-D003	0.29	0.29	0.40	0.40	0.12	0.12
S04-E001	0.29	0.29	0.40	0.40	0.12	0.12
S04-E002	0.29	0.29	0.40	0.40	0.12	0.12
S04-E003	0.29	0.29	0.40	0.40	0.12	0.12
S04-E004	0.29	0.29	0.40	0.40	0.12	0.12
S04-E005	0.29	0.29	0.40	0.40	0.12	0.12
S04-E006	0.29	0.29	0.40	0.40	0.12	0.12
S04-E007	0.29	0.29	0.40	0.40	0.12	0.12
S04-F001	0.29	0.29	0.40	0.40	0.12	0.12
S04-F002	0.29	0.29	0.40	0.40	0.12	0.12
S04-F003	0.29	0.29	0.40	0.40	0.12	0.12
S04-G001	0.29	0.29	0.40	0.40	0.12	0.12
S04-G002	0.29	0.29	0.40	0.40	0.12	0.12
S04-G003	0.29	0.29	0.40	0.40	0.12	0.12
S04-H001	0.29	0.29	0.40	0.40	0.12	0.12
S04-H002	0.29	0.29	0.40	0.40	0.12	0.12
S04-H003	0.29	0.29	0.40	0.40	0.12	0.12
S04-H004	0.29	0.29	0.40	0.40	0.12	0.12
S05-A001	0.29	0.29	0.40	0.40	0.12	0.12
S05-A002	0.29	0.29	0.40	0.40	0.12	0.12
S05-A003	0.29	0.29	0.40	0.40	0.12	0.12
S05-A004	0.29	0.29	0.40	0.40	0.12	0.12
S05-B001	0.29	0.29	0.40	0.40	0.12	0.12
S05-B002	0.29	0.29	0.40	0.40	0.12	0.12
S05-B003	0.29	0.29	0.40	0.40	0.12	0.12
S05-B004	0.29	0.29	0.40	0.40	0.12	0.12
S05-C001	0.29	0.29	0.40	0.40	0.12	0.12
S05-C002	0.29	0.29	0.40	0.40	0.12	0.12
S05-D001	0.29	0.29	0.40	0.40	0.12	0.12
S05-D002	0.29	0.29	0.40	0.40	0.12	0.12
S05-E001	0.29	0.29	0.40	0.40	0.12	0.12
S05-E002	0.29	0.29	0.40	0.40	0.12	0.12
S05-E003	0.29	0.29	0.40	0.40	0.12	0.12
S05-E004	0.29	0.29	0.40	0.40	0.12	0.12
S05-F001	0.29	0.29	0.40	0.40	0.12	0.12
S05-F002	0.29	0.29	0.40	0.40	0.12	0.12
S05-F003	0.29	0.29	0.40	0.40	0.12	0.12
S05-G001	0.29	0.29	0.40	0.40	0.12	0.12
S05-G002	0.29	0.29	0.40	0.40	0.12	0.12
S05-H001	0.29	0.29	0.40	0.40	0.12	0.12
S05-H002	0.29	0.29	0.40	0.40	0.12	0.12
S05-H003						

	0.29	0.29	0.40	0.40	0.12	0.12
S05-H004	0.29	0.29	0.40	0.40	0.12	0.12
S05-H005	0.29	0.29	0.40	0.40	0.12	0.12
S05-H006	0.29	0.29	0.40	0.40	0.12	0.12
S05-I001	0.29	0.29	0.40	0.40	0.12	0.12
S05-I002	0.29	0.29	0.40	0.40	0.12	0.12
S05-I003	0.29	0.29	0.40	0.40	0.12	0.12
S05-I004	0.29	0.29	0.40	0.40	0.12	0.12
S05-J001	0.29	0.29	0.40	0.40	0.12	0.12
S05-J002	0.29	0.29	0.40	0.40	0.12	0.12
S05-J003	0.29	0.29	0.40	0.40	0.12	0.12
S05-L001	0.29	0.29	0.40	0.40	0.12	0.12
S05-L002	0.29	0.29	0.40	0.40	0.12	0.12
S05-L003	0.29	0.29	0.40	0.40	0.12	0.12
P01-A001	0.29	0.29	0.40	0.40	0.12	0.12
P01-A002	0.29	0.29	0.40	0.40	0.12	0.12
P01-B001	0.29	0.29	0.40	0.40	0.12	0.12
P01-B002	0.29	0.29	0.40	0.40	0.12	0.12
P01-B003	0.29	0.29	0.40	0.40	0.12	0.12
P01-C001	0.29	0.29	0.40	0.40	0.12	0.12
P01-C002	0.29	0.29	0.40	0.40	0.12	0.12
P01-D001	0.29	0.29	0.40	0.40	0.12	0.12
P01-D002	0.29	0.29	0.40	0.40	0.12	0.12
P01-E001	0.29	0.29	0.40	0.40	0.12	0.12
P01-F001	0.29	0.29	0.40	0.40	0.12	0.12
P01-G001	0.29	0.29	0.40	0.40	0.12	0.12
P01-G002	0.29	0.29	0.40	0.40	0.12	0.12
P01-G003	0.29	0.29	0.40	0.40	0.12	0.12
P01-H001	0.29	0.29	0.40	0.40	0.12	0.12
P01-H002	0.29	0.29	0.40	0.40	0.12	0.12
P01-H003	0.29	0.29	0.40	0.40	0.12	0.12
P01-H004	0.29	0.29	0.40	0.40	0.12	0.12
P01-I001	0.29	0.29	0.40	0.40	0.12	0.12
P01-I002	0.29	0.29	0.40	0.40	0.12	0.12
P01-J001	0.29	0.29	0.40	0.40	0.12	0.12
P01-J002	0.29	0.29	0.40	0.40	0.12	0.12
P01-J003	0.29	0.29	0.40	0.40	0.12	0.12
P01-L001	0.29	0.29	0.40	0.40	0.12	0.12
S01-F002	0.29	0.29	0.40	0.40	0.12	0.12
S01-A001	0.29	0.29	0.40	0.40	0.12	0.12
N10-A004	0.29	0.29	0.40	0.40	0.12	0.12
S01-E001	0.29	0.29	0.40	0.40	0.12	0.12
S02-E001	0.29	0.29	0.40	0.40	0.12	0.12
S02-F008	0.29	0.29	0.40	0.40	0.12	0.12
S02-F001	0.29	0.29	0.40	0.40	0.12	0.12
S02-F002						

	0.29	0.29	0.40	0.40	0.12	0.12
S02-F003	0.29	0.29	0.40	0.40	0.12	0.12
S02-F004	0.29	0.29	0.40	0.40	0.12	0.12
S02-F005	0.29	0.29	0.40	0.40	0.12	0.12
S02-F006	0.29	0.29	0.40	0.40	0.12	0.12
S02-F007	0.29	0.29	0.40	0.40	0.12	0.12
S02-F009	0.29	0.29	0.40	0.40	0.12	0.12
N09_A001	0.29	0.29	0.40	0.40	0.12	0.12
N09_A002	0.29	0.29	0.40	0.40	0.12	0.12
N09_A003	0.29	0.29	0.40	0.40	0.12	0.12
N09_A004	0.29	0.29	0.40	0.40	0.12	0.12
N09_A005	0.29	0.29	0.40	0.40	0.12	0.12
N09_B001	0.29	0.29	0.40	0.40	0.12	0.12
N09_B002	0.29	0.29	0.40	0.40	0.12	0.12
N09_B003	0.29	0.29	0.40	0.40	0.12	0.12
N09_B004	0.29	0.29	0.40	0.40	0.12	0.12
N09_B005	0.29	0.29	0.40	0.40	0.12	0.12
N09_B006	0.29	0.29	0.40	0.40	0.12	0.12
N09_B007	0.29	0.29	0.40	0.40	0.12	0.12
N09_C001	0.29	0.29	0.40	0.40	0.12	0.12
N09_C002	0.29	0.29	0.40	0.40	0.12	0.12
N09_C003	0.29	0.29	0.40	0.40	0.12	0.12
N09_C004	0.29	0.29	0.40	0.40	0.12	0.12
N09_C005	0.29	0.29	0.40	0.40	0.12	0.12
N09_D001	0.29	0.29	0.40	0.40	0.12	0.12
N09_D002	0.29	0.29	0.40	0.40	0.12	0.12
N09_D003	0.29	0.29	0.40	0.40	0.12	0.12
N09_D004	0.29	0.29	0.40	0.40	0.12	0.12
N09_D005	0.29	0.29	0.40	0.40	0.12	0.12
N09_D006	0.29	0.29	0.40	0.40	0.12	0.12
N09_D007	0.29	0.29	0.40	0.40	0.12	0.12
N09_D008	0.29	0.29	0.40	0.40	0.12	0.12
N09_D009	0.29	0.29	0.40	0.40	0.12	0.12

Pipe Quality Summary						
Pipe Name	NC5		C6		CO2	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	0.08	0.08	0.09	0.09	1.39	1.39
N01-B001	0.08	0.08	0.09	0.09	1.39	1.39
N02-A001	0.08	0.08	0.09	0.09	1.39	1.39
N02-B001	0.08	0.08	0.09	0.09	1.39	1.39
N02-C001	0.08	0.08	0.09	0.09	1.39	1.39
N02-D001	0.08	0.08	0.09	0.09	1.39	1.39



N02-E001	0.08	0.08	0.09	0.09	1.39	1.39
N03-A001	0.08	0.08	0.09	0.09	1.39	1.39
N03-B001	0.08	0.08	0.09	0.09	1.39	1.39
N03-C001	0.08	0.08	0.09	0.09	1.39	1.39
N03-D001	0.08	0.08	0.09	0.09	1.39	1.39
N03-E001	0.08	0.08	0.09	0.09	1.39	1.39
N04-A001	0.08	0.08	0.09	0.09	1.39	1.39
N04-A002	0.08	0.08	0.09	0.09	1.39	1.39
N04-A003	0.08	0.08	0.09	0.09	1.39	1.39
N04-B001	0.08	0.08	0.09	0.09	1.39	1.39
N04-C001	0.08	0.08	0.09	0.09	1.39	1.39
N04-C002	0.08	0.08	0.09	0.09	1.39	1.39
N04-C003	0.08	0.08	0.09	0.09	1.39	1.39
N04-D001	0.08	0.08	0.09	0.09	1.39	1.39
N05-A001	0.08	0.08	0.09	0.09	1.39	1.39
N05-B001	0.08	0.08	0.09	0.09	1.39	1.39
N05-B002	0.08	0.08	0.09	0.09	1.39	1.39
N05-B003	0.08	0.08	0.09	0.09	1.39	1.39
N05-B004	0.08	0.08	0.09	0.09	1.39	1.39
N05-C001	0.08	0.08	0.09	0.09	1.39	1.39
N05-D001	0.08	0.08	0.09	0.09	1.39	1.39
N06-A001	0.08	0.08	0.09	0.09	1.39	1.39
N06-A002	0.08	0.08	0.09	0.09	1.39	1.39
N06-B001	0.08	0.08	0.09	0.09	1.39	1.39
N06-B002	0.08	0.08	0.09	0.09	1.39	1.39
N06-C001	0.08	0.08	0.09	0.09	1.39	1.39
N06-D001	0.08	0.08	0.09	0.09	1.39	1.39
N06-E001	0.08	0.08	0.09	0.09	1.39	1.39
N07-A001	0.08	0.08	0.09	0.09	1.39	1.39
N07-B001	0.08	0.08	0.09	0.09	1.39	1.39
N07-B002	0.08	0.08	0.09	0.09	1.39	1.39
N07-C001	0.08	0.08	0.09	0.09	1.39	1.39
N07-C002	0.08	0.08	0.09	0.09	1.39	1.39
N07-D001	0.08	0.08	0.09	0.09	1.39	1.39
N07-E001	0.08	0.08	0.09	0.09	1.39	1.39
N08-A001	0.08	0.08	0.09	0.09	1.39	1.39
N08-B001	0.08	0.08	0.09	0.09	1.39	1.39
N08-B002	0.08	0.08	0.09	0.09	1.39	1.39
N08-C001	0.08	0.08	0.09	0.09	1.39	1.39
N08-C002	0.08	0.08	0.09	0.09	1.39	1.39
N08-D001	0.08	0.08	0.09	0.09	1.39	1.39
N08-D002	0.08	0.08	0.09	0.09	1.39	1.39
N08-D003	0.08	0.08	0.09	0.09	1.39	1.39
N10-A001	0.08	0.08	0.09	0.09	1.39	1.39
N10-A002	0.08	0.08	0.09	0.09	1.39	1.39
N10-A003						

	0.08	0.08	0.09	0.09	1.39	1.39
N10-B001	0.08	0.08	0.09	0.09	1.39	1.39
N10-C001	0.08	0.08	0.09	0.09	1.39	1.39
N10-C002	0.08	0.08	0.09	0.09	1.39	1.39
N10-C003	0.08	0.08	0.09	0.09	1.39	1.39
N10-C004	0.08	0.08	0.09	0.09	1.39	1.39
N10-C005	0.08	0.08	0.09	0.09	1.39	1.39
N10-C006	0.08	0.08	0.09	0.09	1.39	1.39
N10-D001	0.08	0.08	0.09	0.09	1.39	1.39
N10-E001	0.08	0.08	0.09	0.09	1.39	1.39
N10-E002	0.08	0.08	0.09	0.09	1.39	1.39
N10-E003	0.08	0.08	0.09	0.09	1.39	1.39
N10-E004	0.08	0.08	0.09	0.09	1.39	1.39
N11-A001	0.08	0.08	0.09	0.09	1.39	1.39
N11-A002	0.08	0.08	0.09	0.09	1.39	1.39
N11-A003	0.08	0.08	0.09	0.09	1.39	1.39
N11-A004	0.08	0.08	0.09	0.09	1.39	1.39
N11-B001	0.08	0.08	0.09	0.09	1.39	1.39
N11-B002	0.08	0.08	0.09	0.09	1.39	1.39
N11-B003	0.08	0.08	0.09	0.09	1.39	1.39
N11-B004	0.08	0.08	0.09	0.09	1.39	1.39
N11-C001	0.08	0.08	0.09	0.09	1.39	1.39
N11-C002	0.08	0.08	0.09	0.09	1.39	1.39
N11-C003	0.08	0.08	0.09	0.09	1.39	1.39
N11-C004	0.08	0.08	0.09	0.09	1.39	1.39
N11-C005	0.08	0.08	0.09	0.09	1.39	1.39
N11-D001	0.08	0.08	0.09	0.09	1.39	1.39
N11-D002	0.08	0.08	0.09	0.09	1.39	1.39
N11-D003	0.08	0.08	0.09	0.09	1.39	1.39
N11-D004	0.08	0.08	0.09	0.09	1.39	1.39
N11-E001	0.08	0.08	0.09	0.09	1.39	1.39
N11-E002	0.08	0.08	0.09	0.09	1.39	1.39
N11-E003	0.08	0.08	0.09	0.09	1.39	1.39
N11-E004	0.08	0.08	0.09	0.09	1.39	1.39
S01-A002	0.08	0.08	0.09	0.09	1.39	1.39
S01-B001	0.08	0.08	0.09	0.09	1.39	1.39
S01-B002	0.08	0.08	0.09	0.09	1.39	1.39
S01-C001	0.08	0.08	0.09	0.09	1.39	1.39
S01-C002	0.08	0.08	0.09	0.09	1.39	1.39
S01-D001	0.08	0.08	0.09	0.09	1.39	1.39
S01-E002	0.08	0.08	0.09	0.09	1.39	1.39
S01-F001	0.08	0.08	0.09	0.09	1.39	1.39
S01-G001	0.08	0.08	0.09	0.09	1.39	1.39
S01-G002	0.08	0.08	0.09	0.09	1.39	1.39
S01-H001	0.08	0.08	0.09	0.09	1.39	1.39
S01-I001						

	0.08	0.08	0.09	0.09	1.39	1.39
S01-I002	0.08	0.08	0.09	0.09	1.39	1.39
S01-I003	0.08	0.08	0.09	0.09	1.39	1.39
S01-J001	0.08	0.08	0.09	0.09	1.39	1.39
S01-J002	0.08	0.08	0.09	0.09	1.39	1.39
S01-J003	0.08	0.08	0.09	0.09	1.39	1.39
S01-K001	0.08	0.08	0.09	0.09	1.39	1.39
S01-K002	0.08	0.08	0.09	0.09	1.39	1.39
S02-A001	0.08	0.08	0.09	0.09	1.39	1.39
S02-B001	0.08	0.08	0.09	0.09	1.39	1.39
S02-B002	0.08	0.08	0.09	0.09	1.39	1.39
S02-B003	0.08	0.08	0.09	0.09	1.39	1.39
S02-B004	0.08	0.08	0.09	0.09	1.39	1.39
S02-B005	0.08	0.08	0.09	0.09	1.39	1.39
S02-C001	0.08	0.08	0.09	0.09	1.39	1.39
S02-C002	0.08	0.08	0.09	0.09	1.39	1.39
S02-C003	0.08	0.08	0.09	0.09	1.39	1.39
S02-C004	0.08	0.08	0.09	0.09	1.39	1.39
S02-C005	0.08	0.08	0.09	0.09	1.39	1.39
S02-D001	0.08	0.08	0.09	0.09	1.39	1.39
S02-E002	0.08	0.08	0.09	0.09	1.39	1.39
S02-E003	0.08	0.08	0.09	0.09	1.39	1.39
S02-E004	0.08	0.08	0.09	0.09	1.39	1.39
S02-E005	0.08	0.08	0.09	0.09	1.39	1.39
S02-E006	0.08	0.08	0.09	0.09	1.39	1.39
S02-G001	0.08	0.08	0.09	0.09	1.39	1.39
S02-G002	0.08	0.08	0.09	0.09	1.39	1.39
S02-G003	0.08	0.08	0.09	0.09	1.39	1.39
S02-G004	0.08	0.08	0.09	0.09	1.39	1.39
S02-G005	0.08	0.08	0.09	0.09	1.39	1.39
S02-H001	0.08	0.08	0.09	0.09	1.39	1.39
S02-H002	0.08	0.08	0.09	0.09	1.39	1.39
S02-H003	0.08	0.08	0.09	0.09	1.39	1.39
S02-H004	0.08	0.08	0.09	0.09	1.39	1.39
S02-I001	0.08	0.08	0.09	0.09	1.39	1.39
S02-I002	0.08	0.08	0.09	0.09	1.39	1.39
S02-J001	0.08	0.08	0.09	0.09	1.39	1.39
S02-J002	0.08	0.08	0.09	0.09	1.39	1.39
S03-A001	0.08	0.08	0.09	0.09	1.39	1.39
S03-A002	0.08	0.08	0.09	0.09	1.39	1.39
S03-A003	0.08	0.08	0.09	0.09	1.39	1.39
S03-B001	0.08	0.08	0.09	0.09	1.39	1.39
S03-C001	0.08	0.08	0.09	0.09	1.39	1.39
S03-C002	0.08	0.08	0.09	0.09	1.39	1.39
S03-D001	0.08	0.08	0.09	0.09	1.39	1.39
S03-E001						

	0.08	0.08	0.09	0.09	1.39	1.39
S03-F001	0.08	0.08	0.09	0.09	1.39	1.39
S03-F002	0.08	0.08	0.09	0.09	1.39	1.39
S03-F003	0.08	0.08	0.09	0.09	1.39	1.39
S03-F004	0.08	0.08	0.09	0.09	1.39	1.39
S03-G001	0.08	0.08	0.09	0.09	1.39	1.39
S03-G002	0.08	0.08	0.09	0.09	1.39	1.39
S03-H001	0.08	0.08	0.09	0.09	1.39	1.39
S03-H002	0.08	0.08	0.09	0.09	1.39	1.39
S03-H003	0.08	0.08	0.09	0.09	1.39	1.39
S03-H004	0.08	0.08	0.09	0.09	1.39	1.39
S03-H005	0.08	0.08	0.09	0.09	1.39	1.39
S03-H006	0.08	0.08	0.09	0.09	1.39	1.39
S03-I001	0.08	0.08	0.09	0.09	1.39	1.39
S03-I002	0.08	0.08	0.09	0.09	1.39	1.39
S03-I003	0.08	0.08	0.09	0.09	1.39	1.39
S03-J001	0.08	0.08	0.09	0.09	1.39	1.39
S03-J002	0.08	0.08	0.09	0.09	1.39	1.39
S03-L001	0.08	0.08	0.09	0.09	1.39	1.39
S03-L002	0.08	0.08	0.09	0.09	1.39	1.39
S03-L003	0.08	0.08	0.09	0.09	1.39	1.39
S03-L004	0.08	0.08	0.09	0.09	1.39	1.39
S03-L005	0.08	0.08	0.09	0.09	1.39	1.39
S03-L006	0.08	0.08	0.09	0.09	1.39	1.39
S03-M001	0.08	0.08	0.09	0.09	1.39	1.39
S03-M002	0.08	0.08	0.09	0.09	1.39	1.39
S03-M003	0.08	0.08	0.09	0.09	1.39	1.39
S04-A001	0.08	0.08	0.09	0.09	1.39	1.39
S04-A002	0.08	0.08	0.09	0.09	1.39	1.39
S04-A003	0.08	0.08	0.09	0.09	1.39	1.39
S04-A004	0.08	0.08	0.09	0.09	1.39	1.39
S04-A005	0.08	0.08	0.09	0.09	1.39	1.39
S04-B001	0.08	0.08	0.09	0.09	1.39	1.39
S04-B002	0.08	0.08	0.09	0.09	1.39	1.39
S04-B003	0.08	0.08	0.09	0.09	1.39	1.39
S04-B004	0.08	0.08	0.09	0.09	1.39	1.39
S04-B005	0.08	0.08	0.09	0.09	1.39	1.39
S04-B006	0.08	0.08	0.09	0.09	1.39	1.39
S04-B007	0.08	0.08	0.09	0.09	1.39	1.39
S04-B008	0.08	0.08	0.09	0.09	1.39	1.39
S04-B009	0.08	0.08	0.09	0.09	1.39	1.39
S04-B010	0.08	0.08	0.09	0.09	1.39	1.39
S04-C001	0.08	0.08	0.09	0.09	1.39	1.39
S04-C002	0.08	0.08	0.09	0.09	1.39	1.39
S04-C003	0.08	0.08	0.09	0.09	1.39	1.39
S04-C004						

	0.08	0.08	0.09	0.09	1.39	1.39
S04-C005	0.08	0.08	0.09	0.09	1.39	1.39
S04-D001	0.08	0.08	0.09	0.09	1.39	1.39
S04-D002	0.08	0.08	0.09	0.09	1.39	1.39
S04-D003	0.08	0.08	0.09	0.09	1.39	1.39
S04-E001	0.08	0.08	0.09	0.09	1.39	1.39
S04-E002	0.08	0.08	0.09	0.09	1.39	1.39
S04-E003	0.08	0.08	0.09	0.09	1.39	1.39
S04-E004	0.08	0.08	0.09	0.09	1.39	1.39
S04-E005	0.08	0.08	0.09	0.09	1.39	1.39
S04-E006	0.08	0.08	0.09	0.09	1.39	1.39
S04-E007	0.08	0.08	0.09	0.09	1.39	1.39
S04-F001	0.08	0.08	0.09	0.09	1.39	1.39
S04-F002	0.08	0.08	0.09	0.09	1.39	1.39
S04-F003	0.08	0.08	0.09	0.09	1.39	1.39
S04-G001	0.08	0.08	0.09	0.09	1.39	1.39
S04-G002	0.08	0.08	0.09	0.09	1.39	1.39
S04-G003	0.08	0.08	0.09	0.09	1.39	1.39
S04-H001	0.08	0.08	0.09	0.09	1.39	1.39
S04-H002	0.08	0.08	0.09	0.09	1.39	1.39
S04-H003	0.08	0.08	0.09	0.09	1.39	1.39
S04-H004	0.08	0.08	0.09	0.09	1.39	1.39
S05-A001	0.08	0.08	0.09	0.09	1.39	1.39
S05-A002	0.08	0.08	0.09	0.09	1.39	1.39
S05-A003	0.08	0.08	0.09	0.09	1.39	1.39
S05-A004	0.08	0.08	0.09	0.09	1.39	1.39
S05-B001	0.08	0.08	0.09	0.09	1.39	1.39
S05-B002	0.08	0.08	0.09	0.09	1.39	1.39
S05-B003	0.08	0.08	0.09	0.09	1.39	1.39
S05-B004	0.08	0.08	0.09	0.09	1.39	1.39
S05-C001	0.08	0.08	0.09	0.09	1.39	1.39
S05-C002	0.08	0.08	0.09	0.09	1.39	1.39
S05-D001	0.08	0.08	0.09	0.09	1.39	1.39
S05-D002	0.08	0.08	0.09	0.09	1.39	1.39
S05-E001	0.08	0.08	0.09	0.09	1.39	1.39
S05-E002	0.08	0.08	0.09	0.09	1.39	1.39
S05-E003	0.08	0.08	0.09	0.09	1.39	1.39
S05-E004	0.08	0.08	0.09	0.09	1.39	1.39
S05-F001	0.08	0.08	0.09	0.09	1.39	1.39
S05-F002	0.08	0.08	0.09	0.09	1.39	1.39
S05-F003	0.08	0.08	0.09	0.09	1.39	1.39
S05-G001	0.08	0.08	0.09	0.09	1.39	1.39
S05-G002	0.08	0.08	0.09	0.09	1.39	1.39
S05-H001	0.08	0.08	0.09	0.09	1.39	1.39
S05-H002	0.08	0.08	0.09	0.09	1.39	1.39
S05-H003						

	0.08	0.08	0.09	0.09	1.39	1.39
S05-H004	0.08	0.08	0.09	0.09	1.39	1.39
S05-H005	0.08	0.08	0.09	0.09	1.39	1.39
S05-H006	0.08	0.08	0.09	0.09	1.39	1.39
S05-I001	0.08	0.08	0.09	0.09	1.39	1.39
S05-I002	0.08	0.08	0.09	0.09	1.39	1.39
S05-I003	0.08	0.08	0.09	0.09	1.39	1.39
S05-I004	0.08	0.08	0.09	0.09	1.39	1.39
S05-J001	0.08	0.08	0.09	0.09	1.39	1.39
S05-J002	0.08	0.08	0.09	0.09	1.39	1.39
S05-J003	0.08	0.08	0.09	0.09	1.39	1.39
S05-L001	0.08	0.08	0.09	0.09	1.39	1.39
S05-L002	0.08	0.08	0.09	0.09	1.39	1.39
S05-L003	0.08	0.08	0.09	0.09	1.39	1.39
P01-A001	0.08	0.08	0.09	0.09	1.39	1.39
P01-A002	0.08	0.08	0.09	0.09	1.39	1.39
P01-B001	0.08	0.08	0.09	0.09	1.39	1.39
P01-B002	0.08	0.08	0.09	0.09	1.39	1.39
P01-B003	0.08	0.08	0.09	0.09	1.39	1.39
P01-C001	0.08	0.08	0.09	0.09	1.39	1.39
P01-C002	0.08	0.08	0.09	0.09	1.39	1.39
P01-D001	0.08	0.08	0.09	0.09	1.39	1.39
P01-D002	0.08	0.08	0.09	0.09	1.39	1.39
P01-E001	0.08	0.08	0.09	0.09	1.39	1.39
P01-F001	0.08	0.08	0.09	0.09	1.39	1.39
P01-G001	0.08	0.08	0.09	0.09	1.39	1.39
P01-G002	0.08	0.08	0.09	0.09	1.39	1.39
P01-G003	0.08	0.08	0.09	0.09	1.39	1.39
P01-H001	0.08	0.08	0.09	0.09	1.39	1.39
P01-H002	0.08	0.08	0.09	0.09	1.39	1.39
P01-H003	0.08	0.08	0.09	0.09	1.39	1.39
P01-H004	0.08	0.08	0.09	0.09	1.39	1.39
P01-I001	0.08	0.08	0.09	0.09	1.39	1.39
P01-I002	0.08	0.08	0.09	0.09	1.39	1.39
P01-J001	0.08	0.08	0.09	0.09	1.39	1.39
P01-J002	0.08	0.08	0.09	0.09	1.39	1.39
P01-J003	0.08	0.08	0.09	0.09	1.39	1.39
P01-L001	0.08	0.08	0.09	0.09	1.39	1.39
S01-F002	0.08	0.08	0.09	0.09	1.39	1.39
S01-A001	0.08	0.08	0.09	0.09	1.39	1.39
N10-A004	0.08	0.08	0.09	0.09	1.39	1.39
S01-E001	0.08	0.08	0.09	0.09	1.39	1.39
S02-E001	0.08	0.08	0.09	0.09	1.39	1.39
S02-F008	0.08	0.08	0.09	0.09	1.39	1.39
S02-F001	0.08	0.08	0.09	0.09	1.39	1.39
S02-F002						

	0.08	0.08	0.09	0.09	1.39	1.39
S02-F003	0.08	0.08	0.09	0.09	1.39	1.39
S02-F004	0.08	0.08	0.09	0.09	1.39	1.39
S02-F005	0.08	0.08	0.09	0.09	1.39	1.39
S02-F006	0.08	0.08	0.09	0.09	1.39	1.39
S02-F007	0.08	0.08	0.09	0.09	1.39	1.39
S02-F009	0.08	0.08	0.09	0.09	1.39	1.39
N09_A001	0.08	0.08	0.09	0.09	1.39	1.39
N09_A002	0.08	0.08	0.09	0.09	1.39	1.39
N09_A003	0.08	0.08	0.09	0.09	1.39	1.39
N09_A004	0.08	0.08	0.09	0.09	1.39	1.39
N09_A005	0.08	0.08	0.09	0.09	1.39	1.39
N09_B001	0.08	0.08	0.09	0.09	1.39	1.39
N09_B002	0.08	0.08	0.09	0.09	1.39	1.39
N09_B003	0.08	0.08	0.09	0.09	1.39	1.39
N09_B004	0.08	0.08	0.09	0.09	1.39	1.39
N09_B005	0.08	0.08	0.09	0.09	1.39	1.39
N09_B006	0.08	0.08	0.09	0.09	1.39	1.39
N09_B007	0.08	0.08	0.09	0.09	1.39	1.39
N09_C001	0.08	0.08	0.09	0.09	1.39	1.39
N09_C002	0.08	0.08	0.09	0.09	1.39	1.39
N09_C003	0.08	0.08	0.09	0.09	1.39	1.39
N09_C004	0.08	0.08	0.09	0.09	1.39	1.39
N09_C005	0.08	0.08	0.09	0.09	1.39	1.39
N09_D001	0.08	0.08	0.09	0.09	1.39	1.39
N09_D002	0.08	0.08	0.09	0.09	1.39	1.39
N09_D003	0.08	0.08	0.09	0.09	1.39	1.39
N09_D004	0.08	0.08	0.09	0.09	1.39	1.39
N09_D005	0.08	0.08	0.09	0.09	1.39	1.39
N09_D006	0.08	0.08	0.09	0.09	1.39	1.39
N09_D007	0.08	0.08	0.09	0.09	1.39	1.39
N09_D008	0.08	0.08	0.09	0.09	1.39	1.39
N09_D009	0.08	0.08	0.09	0.09	1.39	1.39

Pipe Quality Summary				
Pipe Name	N2		O2	
	%		%	
	Head	Tail	Head	Tail
N01-A001	0.71	0.71	0.01	0.01
N01-B001	0.71	0.71	0.01	0.01
N02-A001	0.71	0.71	0.01	0.01
N02-B001	0.71	0.71	0.01	0.01
N02-C001	0.71	0.71	0.01	0.01
N02-D001	0.71	0.71	0.01	0.01

N02-E001	0.71	0.71	0.01	0.01
N03-A001	0.71	0.71	0.01	0.01
N03-B001	0.71	0.71	0.01	0.01
N03-C001	0.71	0.71	0.01	0.01
N03-D001	0.71	0.71	0.01	0.01
N03-E001	0.71	0.71	0.01	0.01
N04-A001	0.71	0.71	0.01	0.01
N04-A002	0.71	0.71	0.01	0.01
N04-A003	0.71	0.71	0.01	0.01
N04-B001	0.71	0.71	0.01	0.01
N04-C001	0.71	0.71	0.01	0.01
N04-C002	0.71	0.71	0.01	0.01
N04-C003	0.71	0.71	0.01	0.01
N04-D001	0.71	0.71	0.01	0.01
N05-A001	0.71	0.71	0.01	0.01
N05-B001	0.71	0.71	0.01	0.01
N05-B002	0.71	0.71	0.01	0.01
N05-B003	0.71	0.71	0.01	0.01
N05-B004	0.71	0.71	0.01	0.01
N05-C001	0.71	0.71	0.01	0.01
N05-D001	0.71	0.71	0.01	0.01
N06-A001	0.71	0.71	0.01	0.01
N06-A002	0.71	0.71	0.01	0.01
N06-B001	0.71	0.71	0.01	0.01
N06-B002	0.71	0.71	0.01	0.01
N06-C001	0.71	0.71	0.01	0.01
N06-D001	0.71	0.71	0.01	0.01
N06-E001	0.71	0.71	0.01	0.01
N07-A001	0.71	0.71	0.01	0.01
N07-B001	0.71	0.71	0.01	0.01
N07-B002	0.71	0.71	0.01	0.01
N07-C001	0.71	0.71	0.01	0.01
N07-C002	0.71	0.71	0.01	0.01
N07-D001	0.71	0.71	0.01	0.01
N07-E001	0.71	0.71	0.01	0.01
N08-A001	0.71	0.71	0.01	0.01
N08-B001	0.71	0.71	0.01	0.01
N08-B002	0.71	0.71	0.01	0.01
N08-C001	0.71	0.71	0.01	0.01
N08-C002	0.71	0.71	0.01	0.01
N08-D001	0.71	0.71	0.01	0.01
N08-D002	0.71	0.71	0.01	0.01
N08-D003	0.71	0.71	0.01	0.01
N10-A001	0.71	0.71	0.01	0.01
N10-A002	0.71	0.71	0.01	0.01
N10-A003				



	0.71	0.71	0.01	0.01
N10-B001	0.71	0.71	0.01	0.01
N10-C001	0.71	0.71	0.01	0.01
N10-C002	0.71	0.71	0.01	0.01
N10-C003	0.71	0.71	0.01	0.01
N10-C004	0.71	0.71	0.01	0.01
N10-C005	0.71	0.71	0.01	0.01
N10-C006	0.71	0.71	0.01	0.01
N10-D001	0.71	0.71	0.01	0.01
N10-E001	0.71	0.71	0.01	0.01
N10-E002	0.71	0.71	0.01	0.01
N10-E003	0.71	0.71	0.01	0.01
N10-E004	0.71	0.71	0.01	0.01
N11-A001	0.71	0.71	0.01	0.01
N11-A002	0.71	0.71	0.01	0.01
N11-A003	0.71	0.71	0.01	0.01
N11-A004	0.71	0.71	0.01	0.01
N11-B001	0.71	0.71	0.01	0.01
N11-B002	0.71	0.71	0.01	0.01
N11-B003	0.71	0.71	0.01	0.01
N11-B004	0.71	0.71	0.01	0.01
N11-C001	0.71	0.71	0.01	0.01
N11-C002	0.71	0.71	0.01	0.01
N11-C003	0.71	0.71	0.01	0.01
N11-C004	0.71	0.71	0.01	0.01
N11-C005	0.71	0.71	0.01	0.01
N11-D001	0.71	0.71	0.01	0.01
N11-D002	0.71	0.71	0.01	0.01
N11-D003	0.71	0.71	0.01	0.01
N11-D004	0.71	0.71	0.01	0.01
N11-E001	0.71	0.71	0.01	0.01
N11-E002	0.71	0.71	0.01	0.01
N11-E003	0.71	0.71	0.01	0.01
N11-E004	0.71	0.71	0.01	0.01
S01-A002	0.71	0.71	0.01	0.01
S01-B001	0.71	0.71	0.01	0.01
S01-B002	0.71	0.71	0.01	0.01
S01-C001	0.71	0.71	0.01	0.01
S01-C002	0.71	0.71	0.01	0.01
S01-D001	0.71	0.71	0.01	0.01
S01-E002	0.71	0.71	0.01	0.01
S01-F001	0.71	0.71	0.01	0.01
S01-G001	0.71	0.71	0.01	0.01
S01-G002	0.71	0.71	0.01	0.01
S01-H001	0.71	0.71	0.01	0.01
S01-I001				

	0.71	0.71	0.01	0.01
S01-I002	0.71	0.71	0.01	0.01
S01-I003	0.71	0.71	0.01	0.01
S01-J001	0.71	0.71	0.01	0.01
S01-J002	0.71	0.71	0.01	0.01
S01-J003	0.71	0.71	0.01	0.01
S01-K001	0.71	0.71	0.01	0.01
S01-K002	0.71	0.71	0.01	0.01
S02-A001	0.71	0.71	0.01	0.01
S02-B001	0.71	0.71	0.01	0.01
S02-B002	0.71	0.71	0.01	0.01
S02-B003	0.71	0.71	0.01	0.01
S02-B004	0.71	0.71	0.01	0.01
S02-B005	0.71	0.71	0.01	0.01
S02-C001	0.71	0.71	0.01	0.01
S02-C002	0.71	0.71	0.01	0.01
S02-C003	0.71	0.71	0.01	0.01
S02-C004	0.71	0.71	0.01	0.01
S02-C005	0.71	0.71	0.01	0.01
S02-D001	0.71	0.71	0.01	0.01
S02-E002	0.71	0.71	0.01	0.01
S02-E003	0.71	0.71	0.01	0.01
S02-E004	0.71	0.71	0.01	0.01
S02-E005	0.71	0.71	0.01	0.01
S02-E006	0.71	0.71	0.01	0.01
S02-G001	0.71	0.71	0.01	0.01
S02-G002	0.71	0.71	0.01	0.01
S02-G003	0.71	0.71	0.01	0.01
S02-G004	0.71	0.71	0.01	0.01
S02-G005	0.71	0.71	0.01	0.01
S02-H001	0.71	0.71	0.01	0.01
S02-H002	0.71	0.71	0.01	0.01
S02-H003	0.71	0.71	0.01	0.01
S02-H004	0.71	0.71	0.01	0.01
S02-I001	0.71	0.71	0.01	0.01
S02-I002	0.71	0.71	0.01	0.01
S02-J001	0.71	0.71	0.01	0.01
S02-J002	0.71	0.71	0.01	0.01
S03-A001	0.71	0.71	0.01	0.01
S03-A002	0.71	0.71	0.01	0.01
S03-A003	0.71	0.71	0.01	0.01
S03-B001	0.71	0.71	0.01	0.01
S03-C001	0.71	0.71	0.01	0.01
S03-C002	0.71	0.71	0.01	0.01
S03-D001	0.71	0.71	0.01	0.01
S03-E001				

	0.71	0.71	0.01	0.01
S03-F001	0.71	0.71	0.01	0.01
S03-F002	0.71	0.71	0.01	0.01
S03-F003	0.71	0.71	0.01	0.01
S03-F004	0.71	0.71	0.01	0.01
S03-G001	0.71	0.71	0.01	0.01
S03-G002	0.71	0.71	0.01	0.01
S03-H001	0.71	0.71	0.01	0.01
S03-H002	0.71	0.71	0.01	0.01
S03-H003	0.71	0.71	0.01	0.01
S03-H004	0.71	0.71	0.01	0.01
S03-H005	0.71	0.71	0.01	0.01
S03-H006	0.71	0.71	0.01	0.01
S03-I001	0.71	0.71	0.01	0.01
S03-I002	0.71	0.71	0.01	0.01
S03-I003	0.71	0.71	0.01	0.01
S03-J001	0.71	0.71	0.01	0.01
S03-J002	0.71	0.71	0.01	0.01
S03-L001	0.71	0.71	0.01	0.01
S03-L002	0.71	0.71	0.01	0.01
S03-L003	0.71	0.71	0.01	0.01
S03-L004	0.71	0.71	0.01	0.01
S03-L005	0.71	0.71	0.01	0.01
S03-L006	0.71	0.71	0.01	0.01
S03-M001	0.71	0.71	0.01	0.01
S03-M002	0.71	0.71	0.01	0.01
S03-M003	0.71	0.71	0.01	0.01
S04-A001	0.71	0.71	0.01	0.01
S04-A002	0.71	0.71	0.01	0.01
S04-A003	0.71	0.71	0.01	0.01
S04-A004	0.71	0.71	0.01	0.01
S04-A005	0.71	0.71	0.01	0.01
S04-B001	0.71	0.71	0.01	0.01
S04-B002	0.71	0.71	0.01	0.01
S04-B003	0.71	0.71	0.01	0.01
S04-B004	0.71	0.71	0.01	0.01
S04-B005	0.71	0.71	0.01	0.01
S04-B006	0.71	0.71	0.01	0.01
S04-B007	0.71	0.71	0.01	0.01
S04-B008	0.71	0.71	0.01	0.01
S04-B009	0.71	0.71	0.01	0.01
S04-B010	0.71	0.71	0.01	0.01
S04-C001	0.71	0.71	0.01	0.01
S04-C002	0.71	0.71	0.01	0.01
S04-C003	0.71	0.71	0.01	0.01
S04-C004				

	0.71	0.71	0.01	0.01
S04-C005	0.71	0.71	0.01	0.01
S04-D001	0.71	0.71	0.01	0.01
S04-D002	0.71	0.71	0.01	0.01
S04-D003	0.71	0.71	0.01	0.01
S04-E001	0.71	0.71	0.01	0.01
S04-E002	0.71	0.71	0.01	0.01
S04-E003	0.71	0.71	0.01	0.01
S04-E004	0.71	0.71	0.01	0.01
S04-E005	0.71	0.71	0.01	0.01
S04-E006	0.71	0.71	0.01	0.01
S04-E007	0.71	0.71	0.01	0.01
S04-F001	0.71	0.71	0.01	0.01
S04-F002	0.71	0.71	0.01	0.01
S04-F003	0.71	0.71	0.01	0.01
S04-G001	0.71	0.71	0.01	0.01
S04-G002	0.71	0.71	0.01	0.01
S04-G003	0.71	0.71	0.01	0.01
S04-H001	0.71	0.71	0.01	0.01
S04-H002	0.71	0.71	0.01	0.01
S04-H003	0.71	0.71	0.01	0.01
S04-H004	0.71	0.71	0.01	0.01
S05-A001	0.71	0.71	0.01	0.01
S05-A002	0.71	0.71	0.01	0.01
S05-A003	0.71	0.71	0.01	0.01
S05-A004	0.71	0.71	0.01	0.01
S05-B001	0.71	0.71	0.01	0.01
S05-B002	0.71	0.71	0.01	0.01
S05-B003	0.71	0.71	0.01	0.01
S05-B004	0.71	0.71	0.01	0.01
S05-C001	0.71	0.71	0.01	0.01
S05-C002	0.71	0.71	0.01	0.01
S05-D001	0.71	0.71	0.01	0.01
S05-D002	0.71	0.71	0.01	0.01
S05-E001	0.71	0.71	0.01	0.01
S05-E002	0.71	0.71	0.01	0.01
S05-E003	0.71	0.71	0.01	0.01
S05-E004	0.71	0.71	0.01	0.01
S05-F001	0.71	0.71	0.01	0.01
S05-F002	0.71	0.71	0.01	0.01
S05-F003	0.71	0.71	0.01	0.01
S05-G001	0.71	0.71	0.01	0.01
S05-G002	0.71	0.71	0.01	0.01
S05-H001	0.71	0.71	0.01	0.01
S05-H002	0.71	0.71	0.01	0.01
S05-I001				

	0.71	0.71	0.01	0.01
S05-H004	0.71	0.71	0.01	0.01
S05-H005	0.71	0.71	0.01	0.01
S05-H006	0.71	0.71	0.01	0.01
S05-I001	0.71	0.71	0.01	0.01
S05-I002	0.71	0.71	0.01	0.01
S05-I003	0.71	0.71	0.01	0.01
S05-I004	0.71	0.71	0.01	0.01
S05-J001	0.71	0.71	0.01	0.01
S05-J002	0.71	0.71	0.01	0.01
S05-J003	0.71	0.71	0.01	0.01
S05-L001	0.71	0.71	0.01	0.01
S05-L002	0.71	0.71	0.01	0.01
S05-L003	0.71	0.71	0.01	0.01
P01-A001	0.71	0.71	0.01	0.01
P01-A002	0.71	0.71	0.01	0.01
P01-B001	0.71	0.71	0.01	0.01
P01-B002	0.71	0.71	0.01	0.01
P01-B003	0.71	0.71	0.01	0.01
P01-C001	0.71	0.71	0.01	0.01
P01-C002	0.71	0.71	0.01	0.01
P01-D001	0.71	0.71	0.01	0.01
P01-D002	0.71	0.71	0.01	0.01
P01-E001	0.71	0.71	0.01	0.01
P01-F001	0.71	0.71	0.01	0.01
P01-G001	0.71	0.71	0.01	0.01
P01-G002	0.71	0.71	0.01	0.01
P01-G003	0.71	0.71	0.01	0.01
P01-H001	0.71	0.71	0.01	0.01
P01-H002	0.71	0.71	0.01	0.01
P01-H003	0.71	0.71	0.01	0.01
P01-H004	0.71	0.71	0.01	0.01
P01-I001	0.71	0.71	0.01	0.01
P01-I002	0.71	0.71	0.01	0.01
P01-J001	0.71	0.71	0.01	0.01
P01-J002	0.71	0.71	0.01	0.01
P01-J003	0.71	0.71	0.01	0.01
P01-L001	0.71	0.71	0.01	0.01
S01-F002	0.71	0.71	0.01	0.01
S01-A001	0.71	0.71	0.01	0.01
N10-A004	0.71	0.71	0.01	0.01
S01-E001	0.71	0.71	0.01	0.01
S02-E001	0.71	0.71	0.01	0.01
S02-F008	0.71	0.71	0.01	0.01
S02-F001	0.71	0.71	0.01	0.01
S02-F002				

	0.71	0.71	0.01	0.01
S02-F003	0.71	0.71	0.01	0.01
S02-F004	0.71	0.71	0.01	0.01
S02-F005	0.71	0.71	0.01	0.01
S02-F006	0.71	0.71	0.01	0.01
S02-F007	0.71	0.71	0.01	0.01
S02-F009	0.71	0.71	0.01	0.01
N09_A001	0.71	0.71	0.01	0.01
N09_A002	0.71	0.71	0.01	0.01
N09_A003	0.71	0.71	0.01	0.01
N09_A004	0.71	0.71	0.01	0.01
N09_A005	0.71	0.71	0.01	0.01
N09_B001	0.71	0.71	0.01	0.01
N09_B002	0.71	0.71	0.01	0.01
N09_B003	0.71	0.71	0.01	0.01
N09_B004	0.71	0.71	0.01	0.01
N09_B005	0.71	0.71	0.01	0.01
N09_B006	0.71	0.71	0.01	0.01
N09_B007	0.71	0.71	0.01	0.01
N09_C001	0.71	0.71	0.01	0.01
N09_C002	0.71	0.71	0.01	0.01
N09_C003	0.71	0.71	0.01	0.01
N09_C004	0.71	0.71	0.01	0.01
N09_C005	0.71	0.71	0.01	0.01
N09_D001	0.71	0.71	0.01	0.01
N09_D002	0.71	0.71	0.01	0.01
N09_D003	0.71	0.71	0.01	0.01
N09_D004	0.71	0.71	0.01	0.01
N09_D005	0.71	0.71	0.01	0.01
N09_D006	0.71	0.71	0.01	0.01
N09_D007	0.71	0.71	0.01	0.01
N09_D008	0.71	0.71	0.01	0.01
N09_D009	0.71	0.71	0.01	0.01

**Pipe Wall Temperature Summary Report : 0.000  
hours**

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
N01-A001	Head	51.70	51.70	51.63	28.00

	Tail	45.91	45.91	45.86	28.00
N01-B001	Head	45.91	45.91	45.86	28.00
	Tail	42.20	42.20	42.16	28.00
N02-A001	Head	48.00	48.00	47.94	28.00
	Tail	45.95	45.95	45.90	28.00
N02-B001	Head	45.95	45.95	45.90	28.00
	Tail	42.06	42.06	42.02	28.00
N02-C001	Head	42.06	42.06	42.02	28.00
	Tail	38.25	38.25	38.22	28.00
N02-D001	Head	38.25	38.25	38.22	28.00
	Tail	34.81	34.81	34.79	28.00
N02-E001	Head	34.81	34.81	34.79	28.00
	Tail	31.36	31.36	31.35	28.00
N03-A001	Head	48.00	48.00	47.94	28.00
	Tail	44.06	44.06	44.01	28.00
N03-B001	Head	44.06	44.06	44.01	28.00
	Tail	40.08	40.08	40.04	28.00
N03-C001	Head	40.08	40.08	40.04	28.00
	Tail	36.74	36.74	36.72	28.00
N03-D001	Head	36.74	36.74	36.72	28.00
	Tail	33.85	33.85	33.83	28.00
N03-E001	Head	33.85	33.85	33.83	28.00
	Tail	31.51	31.51	31.50	28.00
N04-A001	Head	48.00	48.00	47.94	28.00
	Tail	45.72	45.72	45.66	28.00
N04-A002	Head	45.72	45.72	45.66	28.00
	Tail	44.90	44.90	44.85	28.00
N04-A003	Head	44.90	44.90	44.85	28.00
	Tail	44.39	44.39	44.34	28.00
N04-B001	Head	44.39	44.39	44.34	28.00
	Tail	40.00	40.00	39.96	28.00
N04-C001	Head	40.00	40.00	39.96	28.00
	Tail	39.32	39.32	39.29	28.00
N04-C002	Head	39.32	39.32	39.29	28.00
	Tail	37.43	37.43	37.40	28.00
N04-C003	Head	37.43	37.43	37.40	28.00
	Tail	36.24	36.24	36.22	28.00
N04-D001	Head	36.24	36.24	36.21	28.00
	Tail	31.75	31.75	31.74	28.00
N05-A001	Head	48.00	48.00	47.94	28.00
	Tail	42.09	42.09	42.04	28.00
N05-B001	Head	42.08	42.08	42.04	28.00
	Tail	40.59	40.59	40.55	28.00
N05-B002	Head	40.59	40.59	40.55	28.00
	Tail	39.03	39.03	39.00	28.00

N05-B003	Head	39.03	39.03	39.00	28.00
	Tail	38.95	38.95	38.91	28.00
N05-B004	Head	38.95	38.95	38.91	28.00
	Tail	37.44	37.44	37.41	28.00
N05-C001	Head	37.44	37.44	37.41	28.00
	Tail	33.89	33.89	33.87	28.00
N05-D001	Head	33.89	33.89	33.87	28.00
	Tail	31.36	31.36	31.35	28.00
N06-A001	Head	48.00	48.00	47.94	28.00
	Tail	48.05	48.05	47.99	28.00
N06-A002	Head	48.05	48.05	47.99	28.00
	Tail	42.79	42.79	42.75	28.00
N06-B001	Head	42.79	42.79	42.75	28.00
	Tail	41.74	41.74	41.69	28.00
N06-B002	Head	41.74	41.74	41.69	28.00
	Tail	38.55	38.55	38.52	28.00
N06-C001	Head	38.55	38.55	38.52	28.00
	Tail	35.87	35.87	35.85	28.00
N06-D001	Head	35.87	35.87	35.85	28.00
	Tail	33.28	33.28	33.26	28.00
N06-E001	Head	33.28	33.28	33.26	28.00
	Tail	31.04	31.04	31.03	28.00
N07-A001	Head	48.00	48.00	47.94	28.00
	Tail	43.37	43.37	43.32	28.00
N07-B001	Head	43.37	43.37	43.32	28.00
	Tail	41.20	41.20	41.16	28.00
N07-B002	Head	41.20	41.20	41.15	26.00
	Tail	39.49	39.49	39.44	26.00
N07-C001	Head	39.48	39.48	39.44	26.00
	Tail	38.21	38.21	38.17	26.00
N07-C002	Head	38.21	38.21	38.17	26.00
	Tail	35.26	35.26	35.23	26.00
N07-D001	Head	35.26	35.26	35.23	26.00
	Tail	32.45	32.45	32.42	26.00
N07-E001	Head	32.45	32.45	32.42	26.00
	Tail	30.34	30.34	30.32	26.00
N08-A001	Head	48.00	48.00	47.92	26.00
	Tail	42.52	42.52	42.46	26.00
N08-B001	Head	42.52	42.52	42.46	26.00
	Tail	38.98	38.98	38.93	26.00
N08-B002	Head	38.98	38.98	38.94	26.00
	Tail	37.46	37.46	37.42	26.00
N08-C001	Head	37.46	37.46	37.42	26.00
	Tail	35.90	35.90	35.87	26.00
N08-C002	Head	35.90	35.90	35.87	26.00



	Tail	34.37	34.37	34.34	26.00
N08-D001	Head	34.37	34.37	34.34	26.00
	Tail	33.69	33.69	33.67	26.00
N08-D002	Head	33.69	33.69	33.67	26.00
	Tail	33.39	33.39	33.36	26.00
N08-D003	Head	33.39	33.39	33.36	26.00
	Tail	31.54	31.54	31.52	26.00
N10-A001	Head	43.66	43.66	43.59	26.00
	Tail	43.33	43.33	43.27	26.00
N10-A002	Head	43.33	43.33	43.27	26.00
	Tail	41.89	41.89	41.84	26.00
N10-A003	Head	41.89	41.89	41.84	26.00
	Tail	40.34	40.34	40.29	26.00
N10-B001	Head	39.40	39.40	39.35	26.00
	Tail	36.24	36.24	36.21	26.00
N10-C001	Head	36.24	36.24	36.21	26.00
	Tail	35.92	35.92	35.89	26.00
N10-C002	Head	35.92	35.92	35.89	26.00
	Tail	34.49	34.49	34.46	26.00
N10-C003	Head	34.49	34.49	34.46	26.00
	Tail	33.79	33.79	33.77	26.00
N10-C004	Head	33.79	33.79	33.77	26.00
	Tail	33.09	33.09	33.07	26.00
N10-C005	Head	33.09	33.09	33.07	26.00
	Tail	33.36	33.36	33.34	26.00
N10-C006	Head	33.36	33.36	33.34	26.00
	Tail	33.12	33.12	33.10	26.00
N10-D001	Head	33.12	33.12	33.10	26.00
	Tail	29.38	29.38	29.36	26.00
N10-E001	Head	29.38	29.38	29.37	28.00
	Tail	29.78	29.78	29.78	28.00
N10-E002	Head	29.78	29.78	29.78	28.00
	Tail	29.04	29.04	29.03	28.00
N10-E003	Head	29.04	29.04	29.03	28.00
	Tail	29.85	29.85	29.84	28.00
N10-E004	Head	29.85	29.85	29.84	28.00
	Tail	28.53	28.53	28.53	28.00
N11-A001	Head	43.44	43.44	43.38	28.00
	Tail	41.86	41.86	41.81	28.00
N11-A002	Head	41.86	41.86	41.81	28.00
	Tail	41.69	41.69	41.64	28.00
N11-A003	Head	41.69	41.69	41.64	28.00
	Tail	41.75	41.75	41.70	28.00
N11-A004	Head	41.75	41.75	41.70	28.00
	Tail	39.36	39.36	39.32	28.00

N11-B001	Head	39.36	39.36	39.32	28.00
	Tail	38.64	38.64	38.60	28.00
N11-B002	Head	38.64	38.64	38.60	28.00
	Tail	39.51	39.51	39.47	28.00
N11-B003	Head	39.51	39.51	39.47	28.00
	Tail	38.23	38.23	38.19	28.00
N11-B004	Head	38.23	38.23	38.19	28.00
	Tail	37.56	37.56	37.52	28.00
N11-C001	Head	37.56	37.56	37.52	26.00
	Tail	37.63	37.63	37.58	26.00
N11-C002	Head	37.63	37.63	37.58	26.00
	Tail	37.43	37.43	37.39	26.00
N11-C003	Head	37.43	37.43	37.39	26.00
	Tail	36.34	36.34	36.31	26.00
N11-C004	Head	36.34	36.34	36.30	26.00
	Tail	34.18	34.18	34.15	26.00
N11-C005	Head	34.18	34.18	34.15	26.00
	Tail	34.27	34.27	34.24	26.00
N11-D001	Head	34.27	34.27	34.24	26.00
	Tail	34.04	34.04	34.01	26.00
N11-D002	Head	34.04	34.04	34.01	26.00
	Tail	34.15	34.15	34.11	26.00
N11-D003	Head	34.15	34.15	34.11	26.00
	Tail	33.00	33.00	32.97	26.00
N11-D004	Head	33.00	33.00	32.97	26.00
	Tail	32.25	32.25	32.22	26.00
N11-E001	Head	32.25	32.25	32.22	26.00
	Tail	32.21	32.21	32.18	26.00
N11-E002	Head	32.21	32.21	32.18	26.00
	Tail	32.12	32.12	32.09	26.00
N11-E003	Head	32.12	32.12	32.09	26.00
	Tail	31.16	31.16	31.14	26.00
N11-E004	Head	31.16	31.16	31.14	26.00
	Tail	30.56	30.56	30.54	26.00
S01-A002	Head	38.83	38.83	38.77	26.00
	Tail	36.92	36.92	36.87	26.00
S01-B001	Head	36.92	36.92	36.87	26.00
	Tail	35.89	35.89	35.84	26.00
S01-B002	Head	35.89	35.89	35.84	26.00
	Tail	34.85	34.85	34.81	26.00
S01-C001	Head	34.85	34.85	34.81	26.00
	Tail	33.62	33.62	33.59	26.00
S01-C002	Head	33.62	33.62	33.58	26.00
	Tail	33.46	33.46	33.43	26.00
S01-D001	Head	33.46	33.46	33.42	26.00

	Tail	31.14	31.14	31.11	26.00
S01-E002	Head	30.35	30.35	30.32	26.00
	Tail	29.03	29.03	29.02	26.00
S01-F001	Head	29.03	29.03	29.02	26.00
	Tail	27.77	27.77	27.77	26.00
S01-G001	Head	26.74	26.74	26.74	26.00
	Tail	26.89	26.89	26.88	26.00
S01-G002	Head	26.89	26.89	26.88	26.00
	Tail	25.97	25.97	25.97	26.00
S01-H001	Head	25.97	25.97	25.97	26.00
	Tail	25.79	25.79	25.79	26.00
S01-I001	Head	25.79	25.79	25.79	26.00
	Tail	25.78	25.78	25.78	26.00
S01-I002	Head	25.78	25.78	25.78	26.00
	Tail	25.04	25.04	25.05	26.00
S01-I003	Head	25.04	25.04	25.05	26.00
	Tail	25.24	25.24	25.25	26.00
S01-J001	Head	25.24	25.24	25.25	26.00
	Tail	25.30	25.30	25.30	26.00
S01-J002	Head	25.30	25.30	25.30	26.00
	Tail	24.55	24.55	24.56	26.00
S01-J003	Head	24.55	24.55	24.56	26.00
	Tail	24.96	24.96	24.97	26.00
S01-K001	Head	24.96	24.96	24.97	26.00
	Tail	25.53	25.53	25.54	26.00
S01-K002	Head	25.53	25.53	25.54	26.00
	Tail	24.99	24.99	24.99	26.00
S02-A001	Head	41.41	41.41	41.31	24.00
	Tail	33.71	33.71	33.65	24.00
S02-B001	Head	33.71	33.71	33.65	24.00
	Tail	33.60	33.60	33.54	24.00
S02-B002	Head	33.60	33.60	33.54	24.00
	Tail	32.30	32.30	32.25	24.00
S02-B003	Head	32.30	32.30	32.25	24.00
	Tail	31.64	31.64	31.60	24.00
S02-B004	Head	31.64	31.64	31.60	24.00
	Tail	29.97	29.97	29.93	24.00
S02-B005	Head	29.97	29.97	29.93	24.00
	Tail	29.51	29.51	29.48	24.00
S02-C001	Head	29.51	29.51	29.48	24.00
	Tail	29.22	29.22	29.18	24.00
S02-C002	Head	29.22	29.22	29.19	24.00
	Tail	27.74	27.74	27.71	24.00
S02-C003	Head	27.74	27.74	27.71	24.00
	Tail	28.05	28.05	28.03	24.00

S02-C004	Head	28.05	28.05	28.03	24.00
	Tail	27.02	27.02	27.00	24.00
S02-C005	Head	27.02	27.02	27.00	24.00
	Tail	27.00	27.00	26.98	24.00
S02-D001	Head	27.00	27.00	26.98	24.00
	Tail	25.71	25.71	25.70	24.00
S02-E002	Head	26.67	26.67	26.66	24.00
	Tail	25.41	25.41	25.40	24.00
S02-E003	Head	25.41	25.41	25.40	24.00
	Tail	25.81	25.81	25.80	24.00
S02-E004	Head	25.81	25.81	25.80	24.00
	Tail	24.12	24.12	24.12	24.00
S02-E005	Head	24.12	24.12	24.12	24.00
	Tail	25.33	25.33	25.32	24.00
S02-E006	Head	25.33	25.33	25.32	24.00
	Tail	24.56	24.56	24.55	24.00
S02-G001	Head	22.70	22.70	22.71	24.00
	Tail	24.05	24.05	24.05	24.00
S02-G002	Head	24.05	24.05	24.05	24.00
	Tail	22.25	22.25	22.26	24.00
S02-G003	Head	22.25	22.25	22.26	24.00
	Tail	23.24	23.24	23.24	24.00
S02-G004	Head	23.24	23.24	23.24	24.00
	Tail	22.28	22.28	22.29	24.00
S02-G005	Head	22.28	22.28	22.29	24.00
	Tail	21.59	21.59	21.60	24.00
S02-H001	Head	21.59	21.59	21.60	24.00
	Tail	23.05	23.05	23.05	24.00
S02-H002	Head	23.05	23.05	23.05	24.00
	Tail	21.46	21.46	21.48	24.00
S02-H003	Head	21.46	21.46	21.48	24.00
	Tail	22.49	22.49	22.50	24.00
S02-H004	Head	22.49	22.49	22.50	24.00
	Tail	21.92	21.92	21.93	24.00
S02-I001	Head	21.92	21.92	21.93	24.00
	Tail	21.46	21.46	21.47	24.00
S02-I002	Head	21.46	21.46	21.47	24.00
	Tail	21.96	21.96	21.97	24.00
S02-J001	Head	21.96	21.96	21.97	24.00
	Tail	22.54	22.54	22.54	24.00
S02-J002	Head	22.54	22.54	22.55	24.00
	Tail	22.64	22.64	22.65	24.00
S03-A001	Head	15.77	15.77	15.95	21.00
	Tail	16.69	16.69	16.83	21.00
S03-A002	Head	16.69	16.69	16.84	21.00

	Tail	20.49	20.49	20.51	21.00
S03-A003	Head	20.49	20.49	20.51	21.00
	Tail	20.71	20.71	20.72	21.00
S03-B001	Head	20.71	20.71	20.72	21.00
	Tail	20.99	20.99	20.99	21.00
S03-C001	Head	20.99	20.99	20.99	21.00
	Tail	21.00	21.00	21.00	21.00
S03-C002	Head	21.00	21.00	21.00	21.00
	Tail	21.18	21.18	21.18	21.00
S03-D001	Head	21.18	21.18	21.18	21.00
	Tail	21.63	21.63	21.61	21.00
S03-E001	Head	20.17	20.17	20.18	21.00
	Tail	19.98	19.98	19.99	21.00
S03-F001	Head	19.98	19.98	19.99	21.00
	Tail	19.67	19.67	19.67	21.00
S03-F002	Head	19.67	19.67	19.67	21.00
	Tail	19.96	19.96	19.96	21.00
S03-F003	Head	19.96	19.96	19.96	21.00
	Tail	19.70	19.70	19.71	21.00
S03-F004	Head	19.70	19.70	19.71	21.00
	Tail	19.85	19.85	19.85	21.00
S03-G001	Head	19.85	19.85	19.85	21.00
	Tail	18.78	18.78	18.79	21.00
S03-G002	Head	18.78	18.78	18.79	21.00
	Tail	19.65	19.65	19.66	21.00
S03-H001	Head	19.65	19.65	19.66	21.00
	Tail	19.14	19.14	19.15	21.00
S03-H002	Head	19.14	19.14	19.15	21.00
	Tail	20.29	20.29	20.29	21.00
S03-H003	Head	20.29	20.29	20.29	21.00
	Tail	18.47	18.47	18.48	21.00
S03-H004	Head	18.47	18.47	18.48	21.00
	Tail	20.03	20.03	20.04	21.00
S03-H005	Head	20.03	20.03	20.04	21.00
	Tail	18.97	18.97	18.98	21.00
S03-H006	Head	18.97	18.97	18.98	21.00
	Tail	20.97	20.97	20.97	21.00
S03-I001	Head	20.97	20.97	20.97	21.00
	Tail	20.99	20.99	20.99	21.00
S03-I002	Head	20.99	20.99	20.99	21.00
	Tail	19.92	19.92	19.93	21.00
S03-I003	Head	19.92	19.92	19.93	21.00
	Tail	20.80	20.80	20.80	21.00
S03-J001	Head	20.80	20.80	20.80	21.00
	Tail	20.90	20.90	20.90	21.00

S03-J002	Head	20.90	20.90	20.90	21.00
	Tail	20.70	20.70	20.71	21.00
S03-L001	Head	20.70	20.70	20.71	21.00
	Tail	18.82	18.82	18.84	21.00
S03-L002	Head	18.82	18.82	18.84	21.00
	Tail	21.06	21.06	21.06	21.00
S03-L003	Head	21.06	21.06	21.06	21.00
	Tail	19.58	19.58	19.59	21.00
S03-L004	Head	19.58	19.58	19.59	21.00
	Tail	21.06	21.06	21.06	21.00
S03-L005	Head	21.06	21.06	21.06	21.00
	Tail	20.50	20.50	20.50	21.00
S03-L006	Head	20.50	20.50	20.50	21.00
	Tail	21.20	21.20	21.20	21.00
S03-M001	Head	21.20	21.20	21.20	21.00
	Tail	20.31	20.31	20.31	21.00
S03-M002	Head	20.31	20.31	20.31	21.00
	Tail	21.18	21.18	21.18	21.00
S03-M003	Head	21.18	21.18	21.18	21.00
	Tail	21.06	21.06	21.06	21.00
S04-A001	Head	44.07	44.07	43.88	21.00
	Tail	33.18	33.18	33.08	21.00
S04-A002	Head	33.18	33.18	33.08	21.00
	Tail	30.65	30.65	30.57	21.00
S04-A003	Head	30.65	30.65	30.57	21.00
	Tail	28.46	28.46	28.40	21.00
S04-A004	Head	28.46	28.46	28.40	21.00
	Tail	24.61	24.61	24.58	21.00
S04-A005	Head	24.61	24.61	24.58	21.00
	Tail	25.73	25.73	25.69	21.00
S04-B001	Head	25.73	25.73	25.69	21.00
	Tail	22.87	22.87	22.85	21.00
S04-B002	Head	22.87	22.87	22.85	21.00
	Tail	22.86	22.86	22.84	21.00
S04-B003	Head	22.86	22.86	22.84	21.00
	Tail	21.40	21.40	21.39	21.00
S04-B004	Head	21.40	21.40	21.39	21.00
	Tail	23.09	23.09	23.07	21.00
S04-B005	Head	23.09	23.09	23.07	21.00
	Tail	20.84	20.84	20.84	21.00
S04-B006	Head	20.84	20.84	20.84	21.00
	Tail	21.94	21.94	21.93	21.00
S04-B007	Head	21.94	21.94	21.93	21.00
	Tail	20.60	20.60	20.60	21.00
S04-B008	Head	20.60	20.60	20.60	21.00

	Tail	21.55	21.55	21.54	21.00
S04-B009	Head	21.55	21.55	21.54	21.00
	Tail	19.94	19.94	19.95	21.00
S04-B010	Head	19.94	19.94	19.95	21.00
	Tail	20.42	20.42	20.42	21.00
S04-C001	Head	20.42	20.42	20.42	21.00
	Tail	21.39	21.39	21.39	21.00
S04-C002	Head	21.39	21.39	21.39	21.00
	Tail	20.51	20.51	20.52	21.00
S04-C003	Head	20.51	20.51	20.52	21.00
	Tail	21.61	21.61	21.60	21.00
S04-C004	Head	21.61	21.61	21.60	21.00
	Tail	20.52	20.52	20.53	21.00
S04-C005	Head	20.52	20.52	20.53	21.00
	Tail	21.84	21.84	21.84	21.00
S04-D001	Head	21.84	21.84	21.84	21.00
	Tail	21.80	21.80	21.79	21.00
S04-D002	Head	21.80	21.80	21.79	21.00
	Tail	20.69	20.69	20.69	21.00
S04-D003	Head	20.69	20.69	20.69	21.00
	Tail	21.54	21.54	21.54	21.00
S04-E001	Head	21.54	21.54	21.54	21.00
	Tail	20.50	20.50	20.50	21.00
S04-E002	Head	20.50	20.50	20.50	21.00
	Tail	21.58	21.58	21.57	21.00
S04-E003	Head	21.58	21.58	21.57	21.00
	Tail	20.54	20.54	20.55	21.00
S04-E004	Head	20.54	20.54	20.55	21.00
	Tail	21.53	21.53	21.52	21.00
S04-E005	Head	21.53	21.53	21.52	21.00
	Tail	20.24	20.24	20.25	21.00
S04-E006	Head	20.24	20.24	20.25	21.00
	Tail	21.23	21.23	21.23	21.00
S04-E007	Head	21.23	21.23	21.23	21.00
	Tail	21.19	21.19	21.19	21.00
S04-F001	Head	21.19	21.19	21.19	21.00
	Tail	19.13	19.13	19.14	21.00
S04-F002	Head	19.13	19.13	19.14	21.00
	Tail	19.98	19.98	19.99	21.00
S04-F003	Head	19.98	19.98	19.99	21.00
	Tail	19.23	19.23	19.24	21.00
S04-G001	Head	19.23	19.23	19.24	21.00
	Tail	20.59	20.59	20.59	21.00
S04-G002	Head	20.59	20.59	20.59	21.00
	Tail	19.39	19.39	19.40	21.00

S04-G003	Head	19.39	19.39	19.40	21.00
	Tail	21.65	21.65	21.64	21.00
S04-H001	Head	21.65	21.65	21.64	21.00
	Tail	21.01	21.01	21.01	21.00
S04-H002	Head	21.01	21.01	21.01	21.00
	Tail	20.07	20.07	20.08	21.00
S04-H003	Head	20.07	20.07	20.08	21.00
	Tail	20.84	20.84	20.84	21.00
S04-H004	Head	20.84	20.84	20.84	21.00
	Tail	20.35	20.35	20.36	21.00
S05-A001	Head	36.48	36.48	36.35	21.00
	Tail	35.15	35.15	35.03	21.00
S05-A002	Head	35.15	35.15	35.03	21.00
	Tail	32.64	32.64	32.55	21.00
S05-A003	Head	32.64	32.64	32.55	21.00
	Tail	30.14	30.14	30.06	21.00
S05-A004	Head	30.14	30.14	30.05	21.00
	Tail	24.21	24.21	24.18	21.00
S05-B001	Head	24.21	24.21	24.18	21.00
	Tail	22.10	22.10	22.09	21.00
S05-B002	Head	22.10	22.10	22.09	21.00
	Tail	21.81	21.81	21.80	21.00
S05-B003	Head	21.81	21.81	21.80	21.00
	Tail	20.46	20.46	20.46	21.00
S05-B004	Head	20.46	20.46	20.46	21.00
	Tail	21.52	21.52	21.52	21.00
S05-C001	Head	21.52	21.52	21.52	21.00
	Tail	20.61	20.61	20.61	21.00
S05-C002	Head	20.61	20.61	20.61	21.00
	Tail	16.06	16.06	16.11	21.00
S05-D001	Head	16.06	16.06	16.11	21.00
	Tail	20.40	20.40	20.41	21.00
S05-D002	Head	20.40	20.40	20.41	21.00
	Tail	19.78	19.78	19.79	21.00
S05-E001	Head	19.78	19.78	19.79	21.00
	Tail	20.29	20.29	20.29	21.00
S05-E002	Head	20.29	20.29	20.29	21.00
	Tail	20.24	20.24	20.25	21.00
S05-E003	Head	20.24	20.24	20.25	21.00
	Tail	21.02	21.02	21.02	21.00
S05-E004	Head	21.02	21.02	21.02	21.00
	Tail	20.32	20.32	20.33	21.00
S05-F001	Head	20.32	20.32	20.33	21.00
	Tail	20.54	20.54	20.54	21.00
S05-F002	Head	20.54	20.54	20.54	21.00



	Tail	21.11	21.11	21.11	21.00
S05-F003	Head	21.11	21.11	21.11	21.00
	Tail	20.26	20.26	20.27	21.00
S05-G001	Head	20.26	20.26	20.27	21.00
	Tail	20.97	20.97	20.97	21.00
S05-G002	Head	20.97	20.97	20.97	21.00
	Tail	20.35	20.35	20.36	21.00
S05-H001	Head	20.35	20.35	20.36	21.00
	Tail	23.19	23.19	23.17	21.00
S05-H002	Head	23.19	23.19	23.17	21.00
	Tail	21.09	21.09	21.09	21.00
S05-H003	Head	21.09	21.09	21.09	21.00
	Tail	22.65	22.65	22.63	21.00
S05-H004	Head	22.65	22.65	22.63	21.00
	Tail	20.51	20.51	20.52	21.00
S05-H005	Head	20.51	20.51	20.52	21.00
	Tail	22.28	22.28	22.27	21.00
S05-H006	Head	22.28	22.28	22.27	21.00
	Tail	21.98	21.98	21.97	21.00
S05-I001	Head	21.98	21.98	21.97	21.00
	Tail	21.42	21.42	21.42	21.00
S05-I002	Head	21.42	21.42	21.42	21.00
	Tail	21.41	21.41	21.40	21.00
S05-I003	Head	21.41	21.41	21.40	21.00
	Tail	21.13	21.13	21.13	21.00
S05-I004	Head	21.13	21.13	21.13	21.00
	Tail	20.95	20.95	20.95	21.00
S05-J001	Head	20.95	20.95	20.95	21.00
	Tail	20.12	20.12	20.13	21.00
S05-J002	Head	20.12	20.12	20.13	21.00
	Tail	20.81	20.81	20.81	21.00
S05-J003	Head	20.81	20.81	20.81	21.00
	Tail	20.13	20.13	20.13	21.00
S05-L001	Head	20.13	20.13	20.13	21.00
	Tail	19.96	19.96	19.97	21.00
S05-L002	Head	19.96	19.96	19.97	21.00
	Tail	20.93	20.93	20.93	21.00
S05-L003	Head	20.93	20.93	20.93	21.00
	Tail	20.77	20.77	20.78	21.00
P01-A001	Head	24.64	24.64	24.64	24.00
	Tail	24.66	24.66	24.66	24.00
P01-A002	Head	24.66	24.66	24.66	24.00
	Tail	24.19	24.19	24.18	24.00
P01-B001	Head	24.19	24.19	24.18	24.00
	Tail	24.33	24.33	24.33	24.00

P01-B002	Head	24.33	24.33	24.33	24.00
	Tail	23.61	23.61	23.61	24.00
P01-B003	Head	23.61	23.61	23.61	24.00
	Tail	23.28	23.28	23.28	24.00
P01-C001	Head	23.28	23.28	23.28	24.00
	Tail	23.80	23.80	23.80	24.00
P01-C002	Head	23.80	23.80	23.80	24.00
	Tail	23.21	23.21	23.22	24.00
P01-D001	Head	23.21	23.21	23.22	24.00
	Tail	23.32	23.32	23.32	24.00
P01-D002	Head	23.32	23.32	23.32	24.00
	Tail	22.66	22.66	22.67	24.00
P01-E001	Head	22.66	22.66	22.67	24.00
	Tail	22.95	22.95	22.95	24.00
P01-F001	Head	22.95	22.95	22.95	24.00
	Tail	23.06	23.06	23.06	24.00
P01-G001	Head	23.06	23.06	23.06	24.00
	Tail	23.05	23.05	23.06	24.00
P01-G002	Head	23.05	23.05	23.06	24.00
	Tail	21.87	21.87	21.89	24.00
P01-G003	Head	21.87	21.87	21.89	24.00
	Tail	22.60	22.60	22.61	24.00
P01-H001	Head	22.60	22.60	22.61	24.00
	Tail	22.95	22.95	22.96	24.00
P01-H002	Head	22.95	22.95	22.96	24.00
	Tail	22.05	22.05	22.07	24.00
P01-H003	Head	22.05	22.05	22.07	24.00
	Tail	23.88	23.88	23.88	24.00
P01-H004	Head	23.88	23.88	23.88	24.00
	Tail	23.13	23.13	23.14	24.00
P01-I001	Head	23.13	23.13	23.14	24.00
	Tail	23.04	23.04	23.04	24.00
P01-I002	Head	23.04	23.04	23.04	24.00
	Tail	23.52	23.52	23.52	24.00
P01-J001	Head	23.52	23.52	23.52	24.00
	Tail	23.31	23.31	23.31	24.00
P01-J002	Head	23.31	23.31	23.31	24.00
	Tail	23.90	23.90	23.90	24.00
P01-J003	Head	23.90	23.90	23.90	24.00
	Tail	23.73	23.73	23.73	24.00
P01-L001	Head	23.73	23.73	23.73	24.00
	Tail	23.24	23.24	23.24	24.00
S01-F002	Head	27.77	27.77	27.74	21.00
	Tail	26.74	26.74	26.71	21.00
S01-A001	Head	39.46	39.46	39.37	21.00

	Tail	38.83	38.83	38.75	21.00
N10-A004	Head	40.34	40.34	40.29	26.00
	Tail	39.40	39.40	39.35	26.00
S01-E001	Head	31.14	31.14	31.09	21.00
	Tail	30.35	30.35	30.30	21.00
S02-E001	Head	25.71	25.71	25.69	21.00
	Tail	26.67	26.67	26.64	21.00
S02-F008	Head	22.72	22.72	22.71	21.00
	Tail	23.93	23.93	23.91	21.00
S02-F001	Head	24.56	24.56	24.54	21.00
	Tail	25.10	25.10	25.07	21.00
S02-F002	Head	25.10	25.10	25.07	21.00
	Tail	22.54	22.54	22.53	21.00
S02-F003	Head	22.54	22.54	22.53	21.00
	Tail	23.78	23.78	23.76	21.00
S02-F004	Head	23.78	23.78	23.76	21.00
	Tail	22.76	22.76	22.75	21.00
S02-F005	Head	22.76	22.76	22.75	21.00
	Tail	23.51	23.51	23.49	21.00
S02-F006	Head	23.51	23.51	23.49	21.00
	Tail	22.41	22.41	22.41	21.00
S02-F007	Head	22.41	22.41	22.41	21.00
	Tail	22.72	22.72	22.71	21.00
S02-F009	Head	23.93	23.93	23.91	21.00
	Tail	22.70	22.70	22.69	21.00
N09_A001	Head	45.89	45.89	45.82	26.00
	Tail	45.75	45.75	45.67	26.00
N09_A002	Head	45.75	45.75	45.67	26.00
	Tail	43.89	43.89	43.82	26.00
N09_A003	Head	43.89	43.89	43.82	26.00
	Tail	42.47	42.47	42.41	26.00
N09_A004	Head	42.47	42.47	42.41	26.00
	Tail	41.98	41.98	41.92	26.00
N09_A005	Head	41.98	41.98	41.92	26.00
	Tail	41.78	41.78	41.73	26.00
N09_B001	Head	41.78	41.78	41.73	26.00
	Tail	41.51	41.51	41.45	26.00
N09_B002	Head	41.51	41.51	41.45	26.00
	Tail	40.46	40.46	40.41	26.00
N09_B003	Head	40.46	40.46	40.41	26.00
	Tail	40.54	40.54	40.49	26.00
N09_B004	Head	40.54	40.54	40.49	26.00
	Tail	39.91	39.91	39.86	26.00
N09_B005	Head	39.91	39.91	39.86	26.00
	Tail	39.62	39.62	39.57	26.00

N09_B006	Head	39.62	39.62	39.57	26.00
	Tail	38.21	38.21	38.17	26.00
N09_B007	Head	38.21	38.21	38.17	26.00
	Tail	37.30	37.30	37.26	26.00
N09_C001	Head	37.30	37.30	37.26	26.00
	Tail	36.93	36.93	36.89	26.00
N09_C002	Head	36.93	36.93	36.89	26.00
	Tail	35.10	35.10	35.07	26.00
N09_C003	Head	35.10	35.10	35.07	26.00
	Tail	34.98	34.98	34.95	26.00
N09_C004	Head	34.98	34.98	34.95	26.00
	Tail	34.22	34.22	34.19	26.00
N09_C005	Head	34.22	34.22	34.19	26.00
	Tail	32.93	32.93	32.91	26.00
N09_D001	Head	32.93	32.93	32.91	26.00
	Tail	32.85	32.85	32.83	26.00
N09_D002	Head	32.85	32.85	32.83	26.00
	Tail	32.29	32.29	32.27	26.00
N09_D003	Head	32.29	32.29	32.27	26.00
	Tail	32.38	32.38	32.36	26.00
N09_D004	Head	32.38	32.38	32.36	26.00
	Tail	31.61	31.61	31.59	26.00
N09_D005	Head	31.61	31.61	31.59	26.00
	Tail	31.81	31.81	31.79	26.00
N09_D006	Head	31.81	31.81	31.79	26.00
	Tail	30.97	30.97	30.96	26.00
N09_D007	Head	30.97	30.97	30.96	26.00
	Tail	31.25	31.25	31.23	26.00
N09_D008	Head	31.25	31.25	31.23	26.00
	Tail	30.54	30.54	30.53	26.00
N09_D009	Head	30.54	30.54	30.53	26.00
	Tail	30.52	30.52	30.50	26.00

**Equipment Hydraulic Summary Report : 0.000  
hours**

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
10_VES_060	PercentOpen	97.78	97.78	29862.883	45.95	45.95	0.6325	35.97

10_VES_070	PercentOpen	92.85	92.85	29862.883	42.06	42.06	0.6325	35.97
10_VES_080	PercentOpen	87.18	87.18	29862.883	38.25	38.25	0.6325	35.97
10_VES_090	PercentOpen	81.15	81.15	29862.883	34.81	34.81	0.6325	35.97
10_VES_140	PercentOpen	95.41	95.41	29749.568	44.06	44.06	0.6325	35.97
10_VES_150	PercentOpen	89.98	89.98	29749.568	40.08	40.08	0.6325	35.97
10_VES_160	PercentOpen	84.75	84.75	29749.568	36.74	36.74	0.6325	35.97
10_VES_170	PercentOpen	79.14	79.14	29749.568	33.85	33.85	0.6325	35.97
10_VES_190	PercentOpen	95.78	95.78	29636.719	44.39	44.39	0.6325	35.97
10_VES_200	PercentOpen	89.83	89.83	29636.719	40.00	40.00	0.6325	35.97
10_VES_280	PercentOpen	92.82	92.82	29531.430	42.09	42.08	0.6325	35.97
10_VES_290	PercentOpen	86.02	86.02	29531.430	37.44	37.44	0.6325	35.97
10_VES_300	PercentOpen	79.32	79.32	29531.430	33.89	33.89	0.6325	35.97
10_VES_320	PercentOpen	93.82	93.82	29418.958	42.79	42.79	0.6325	35.97
10_VES_330	PercentOpen	87.94	87.94	29418.958	38.55	38.55	0.6325	35.97
10_VES_340	PercentOpen	83.35	83.35	29418.959	35.87	35.87	0.6325	35.97
10_VES_350	PercentOpen	78.62	78.62	29418.959	33.28	33.28	0.6325	35.97
10_VES_400	PercentOpen	94.77	94.77	29306.330	43.37	43.37	0.6325	35.97
10_VES_420	PercentOpen	85.42	85.42	24001.331	35.26	35.26	0.6325	35.97
10_VES_430	PercentOpen	81.74	81.74	24001.331	32.45	32.45	0.6325	35.97
10_VES_450	PercentOpen	96.44	96.44	23910.395	42.52	42.52	0.6325	35.97
10_VES_460	PercentOpen	91.83	91.83	23910.395	37.46	37.46	0.6325	35.97
10_VES_470	PercentOpen	88.49	88.49	23910.395	34.37	34.37	0.6325	35.97
10_VES_540	PercentOpen	97.27	97.27	23845.916	41.78	41.78	0.6325	35.97
10_VES_550	PercentOpen	93.15	93.15	23845.917	37.30	37.30	0.6325	35.97
10_VES_560	PercentOpen	87.94	87.94	23845.917	32.93	32.93	0.6325	35.97
10_VES_580	PercentOpen	96.62	96.62	23769.890	39.40	39.40	0.6325	35.97
10_VES_590	PercentOpen	93.64	93.64	23769.890	36.24	36.24	0.6325	35.97
10_VES_610	PercentOpen	84.10	84.10	23259.890	29.38	29.38	0.6325	35.97
10_VES_660	PercentOpen	96.66	96.66	22191.046	39.36	39.36	0.6325	35.97
10_VES_670	PercentOpen	95.71	95.71	22191.046	37.56	37.56	0.6325	35.97
10_VES_680	PercentOpen	92.78	92.78	20877.046	34.27	34.27	0.6325	35.97
10_VES_690	PercentOpen	91.15	91.15	19077.046	32.25	32.25	0.6325	35.97
40_VES_040	PercentOpen	98.52	98.52	10241.547	36.92	36.92	0.6325	35.97
40_VES_050	PercentOpen	97.14	97.14	10241.547	34.85	34.85	0.6325	35.97
40_VES_060	PercentOpen	96.62	96.62	8891.547	33.46	33.46	0.6325	35.97
40_VES_070	PercentOpen	94.92	94.92	8891.547	31.14	31.14	0.6325	35.97
40_VES_080	PercentOpen	93.92	93.92	8891.547	29.03	29.03	0.6325	35.97
40_VES_090	PercentOpen	91.61	91.61	8891.547	26.74	26.74	0.6325	35.97
40_VES_100	PercentOpen	89.92	89.92	8681.547	25.97	25.97	0.6325	35.97
40_VES_110	PercentOpen	88.71	88.71	8681.547	25.79	25.79	0.6325	35.97
40_VES_120	PercentOpen	86.48	86.48	7691.547	25.24	25.24	0.6325	35.97
40_VES_130	PercentOpen	84.05	84.05	7691.547	24.96	24.96	0.6325	35.97
40_VES_160	PercentOpen	82.39	82.39	7691.547	24.99	24.99	0.6325	35.97
40_VES_140	PercentOpen	96.49	96.49	7661.954	33.71	33.71	0.6325	35.97
40_VES_150	PercentOpen	94.80	94.80	7661.954	29.51	29.51	0.6325	35.97
40_VES_200								

	PercentOpen	93.00	93.00	7661.954	27.00	27.00	0.6325	35.97
40_VES_210	PercentOpen	92.25	92.25	7661.954	25.71	25.71	0.6325	35.97
40_VES_220	PercentOpen	91.71	91.71	7661.955	24.56	24.56	0.6325	35.97
40_VES_230	PercentOpen	90.41	90.41	7661.955	22.70	22.70	0.6325	35.97
40_VES_240	PercentOpen	86.66	86.66	7661.955	21.59	21.59	0.6325	35.97
40_VES_250	PercentOpen	84.34	84.34	7661.955	21.92	21.92	0.6325	35.97
40_VES_260	PercentOpen	82.13	82.13	7661.955	21.96	21.96	0.6325	35.97
40_VES_270	PercentOpen	81.24	81.24	591.955	22.64	22.64	0.6325	35.97
60_VES_040	PercentOpen	66.06	66.06	591.955	20.71	20.71	0.6325	35.97
60_VES_050	PercentOpen	65.95	65.95	591.955	20.99	20.99	0.6325	35.97
60_VES_060	PercentOpen	66.48	66.48	591.955	21.18	21.18	0.6325	35.97
60_VES_070	PercentOpen	71.24	71.24	5591.955	20.17	20.17	0.6325	35.97
60_VES_080	PercentOpen	68.89	68.89	5591.955	19.98	19.98	0.6325	35.97
60_VES_090	PercentOpen	65.66	65.66	4928.455	19.85	19.85	0.6325	35.97
60_VES_100	PercentOpen	62.57	62.57	4928.455	19.65	19.65	0.6325	35.97
60_VES_110	PercentOpen	60.56	60.56	3938.455	20.97	20.97	0.6325	35.97
60_VES_120	PercentOpen	59.28	59.28	3938.455	20.80	20.80	0.6325	35.97
60_VES_270	PercentOpen	58.65	58.65	3683.455	20.70	20.70	0.6325	35.97
60_VES_320	PercentOpen	57.27	57.27	3250.955	21.20	21.20	0.6325	35.97
60_VES_190	PercentOpen	72.21	72.21	3239.814	25.73	25.73	0.6325	35.97
60_VES_200	PercentOpen	66.86	66.86	3239.814	20.42	20.42	0.6325	35.97
60_VES_210	PercentOpen	67.27	67.27	3239.814	21.84	21.84	0.6325	35.97
60_VES_220	PercentOpen	66.57	66.57	3239.814	21.54	21.54	0.6325	35.97
60_VES_230	PercentOpen	65.05	65.05	3239.814	21.19	21.19	0.6325	35.97
60_VES_240	PercentOpen	62.05	62.05	3239.814	19.23	19.23	0.6325	35.97
60_VES_250	PercentOpen	62.81	62.81	3239.814	21.65	21.65	0.6325	35.97
60_VES_290	PercentOpen	74.50	74.50	2841.500	36.48	36.48	0.6325	35.97
80_VES_020	PercentOpen	73.82	73.82	2409.000	24.21	24.21	0.6325	35.97
80_VES_030	PercentOpen	71.69	71.69	2409.000	21.52	21.52	0.6325	35.97
80_VES_040	PercentOpen	63.82	63.82	2409.000	16.06	16.06	0.6325	35.97
80_VES_050	PercentOpen	62.57	62.57	2409.000	19.78	19.78	0.6325	35.97
80_VES_060	PercentOpen	61.46	61.46	2409.000	20.32	20.32	0.6325	35.97
80_VES_070	PercentOpen	59.30	59.30	2409.000	20.26	20.26	0.6325	35.97
80_VES_080	PercentOpen	57.10	57.10	2409.000	20.35	20.35	0.6325	35.97
80_VES_090	PercentOpen	58.61	58.61	2409.000	21.98	21.98	0.6325	35.97
80_VES_100	PercentOpen	56.90	56.90	2409.000	20.95	20.95	0.6325	35.97
80_VES_110	PercentOpen	54.82	54.82	2409.000	20.13	20.13	0.6325	35.97
10_VES_050	PercentOpen	72.59	72.59	7000.000	23.28	23.28	0.6325	35.97
90_VES_060	PercentOpen	71.88	71.88	7000.000	23.21	23.21	0.6325	35.97
90_VES_070	PercentOpen	70.27	70.27	7000.000	22.66	22.66	0.6325	35.97
90_VES_080	PercentOpen	69.03	69.03	7000.000	22.95	22.95	0.6325	35.97
90_VES_090	PercentOpen	68.14	68.14	7000.000	23.06	23.06	0.6325	35.97
90_VES_100	PercentOpen	66.49	66.49	7000.000	22.60	22.60	0.6325	35.97
90_VES_110	PercentOpen	65.30	65.30	7000.000	23.13	23.13	0.6325	35.97
90_VES_120	PercentOpen	64.53	64.53	7000.000	23.52	23.52	0.6325	35.97
90_VES_130								

	PercentOpen	64.17	64.17	7000.000	23.73	23.73	0.6325	35.97
MTN	PercentOpen	85.00	85.00	29980.201	51.70	51.70	0.6325	35.97
10_VES_040	PercentOpen	78.45	78.44	29980.201	45.91	45.91	0.6325	35.97
10_VES_210	PercentOpen	83.72	83.72	29636.719	36.24	36.24	0.6325	35.97
10_VES_410	PercentOpen	89.66	89.66	25401.330	39.49	39.48	0.6325	35.97
10_VES_600	PercentOpen	89.70	89.70	23769.890	33.12	33.12	0.6325	35.97
90_VES_040	PercentOpen	74.26	74.26	7000.000	24.19	24.19	0.6325	35.97
60_VES_140	PercentOpen	75.00	75.00	3239.814	44.07	44.07	0.6325	35.97
HUB7	PercentOpen	65.00	65.00	2800.000	25.00	25.00	0.6325	35.97
HUB8	PercentOpen	65.00	65.00	-3300.000	25.00	25.00	0.6325	35.97
ARA1	PercentOpen	81.24	81.24	2509.500	22.64	22.64	0.6325	35.97
CAN1	PercentOpen	54.34	54.34	0.000	20.77	20.77	0.6325	35.97
CAN2	PercentOpen	54.34	54.34	0.000	20.77	20.77	0.6325	35.97
HUB1	PercentOpen	89.66	89.66	7000.000	30.56	30.56	0.6325	35.97
HUB2	PercentOpen	89.66	65.00	0.000	30.56	25.00	0.6325	35.97
HUB3	PercentOpen	65.00	89.66	0.000	25.00	30.56	0.6325	35.97
HUB4	PercentOpen	89.66	65.00	0.000	30.56	25.00	0.6325	35.97
HUB5	PercentOpen	89.66	89.66	7000.000	30.56	30.56	0.6325	35.97
HUB6	PercentOpen	65.00	65.00	300.000	25.00	25.00	0.6325	35.97
HUB9	PercentOpen	89.66	65.00	0.000	30.56	25.00	0.6325	35.97
HUB10	PercentOpen	89.66	89.66	10277.046	30.56	30.56	0.6325	35.97
RES_CBA	Resistance	73.48	73.47	29980.201	42.20	42.20	0.6325	35.97
RES_MRD	Resistance	73.92	73.91	29862.883	31.36	31.36	0.6325	35.97
RES_ANT	Resistance	74.12	74.11	29749.568	31.51	31.51	0.6325	35.97
RES_CGR	Resistance	75.74	75.73	29636.719	31.75	31.75	0.6325	35.97
RES_RRP	Resistance	73.43	73.41	29531.430	31.36	31.36	0.6325	35.97
RES_TLG	Resistance	73.41	73.40	29418.959	31.04	31.04	0.6325	35.97
RES_MIR	Resistance	78.44	78.44	24001.331	30.34	30.33	0.6325	35.97
RES_PEN	Resistance	84.63	84.63	23910.395	31.54	31.54	0.6325	35.97
RES_IAC	Resistance	84.24	84.24	23845.917	30.52	30.51	0.6325	35.97
RES_SCA	Resistance	82.13	82.13	23259.890	28.53	28.52	0.6325	35.97
RES_BIG	Resistance	55.95	55.95	3250.955	21.06	21.06	0.6325	35.97
RES_SID	Resistance	60.60	60.60	2846.314	20.35	20.35	0.6325	35.97
RES_ARC	Resistance	81.24	81.23	591.955	22.64	22.64	0.6325	35.97
RES_PLN	Resistance	89.66	89.39	10277.046	30.56	30.46	0.6325	35.97
RES_CBO	Resistance	82.39	82.26	7691.547	24.99	24.94	0.6325	35.97
ERP ARC	MaximumDownstreamPressure	81.23	66.00	591.955	22.64	15.77	0.6325	35.97
ERP PLN	MaximumDownstreamPressure	89.66	75.00	7000.000	30.56	24.64	0.6325	35.97
COOL_CBA	Resistance	100.00	99.99	29862.883	66.89	48.00	0.6325	35.97
COOL_MRD	Resistance	100.00	99.99	29749.568	54.96	48.00	0.6325	35.97
COOL_ANT	Resistance	100.00	99.99	29636.719	54.89	48.00	0.6325	35.97
COOL_CGR	Resistance	100.00	99.99	29531.430	54.27	48.00	0.6325	35.97
COOL_RRP	Resistance	100.00	99.99	29418.958	55.43	48.00	0.6325	35.97
COOL_TLG	Resistance	100.00	99.99	29306.330	55.10	48.00	0.6325	35.97
COOL_MIR	Resistance	100.00	99.99	23910.395	48.80	48.00	0.6325	35.97
COOL_PEN	Resistance							

	Resistance	100.00	99.99	23845.916	45.89	45.89	0.6325	35.97
COOL_IAC	Resistance	100.00	99.99	23769.890	43.66	43.66	0.6325	35.97
COOL_SCA	Resistance	100.00	100.00	23181.046	43.44	43.44	0.6325	35.97
COOL_BIG	Resistance	75.00	75.00	3239.814	44.07	44.07	0.6325	35.97
COOL_ARC	Resistance	81.23	81.23	591.955	22.64	22.64	0.6325	35.97
COOL_PLN	Resistance	99.80	99.58	10241.547	39.46	39.46	0.6325	35.97
COOL_CBO	Resistance	99.80	99.68	7661.954	41.41	41.41	0.6325	35.97
COOL_SID	Resistance	74.50	74.50	2841.500	36.48	36.48	0.6325	35.97

Accumulated Volume Summary			
Equipment Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
10_VES_060	29862.8834	0.0000	24.000
10_VES_070	29862.8834	0.0000	24.000
10_VES_080	29862.8834	0.0000	24.000
10_VES_090	29862.8835	0.0000	24.000
10_VES_140	29749.5675	0.0000	24.000
10_VES_150	29749.5675	0.0000	24.000
10_VES_160	29749.5676	0.0000	24.000
10_VES_170	29749.5676	0.0000	24.000
10_VES_190	29636.7186	0.0000	24.000
10_VES_200	29636.7186	0.0000	24.000
10_VES_280	29531.4296	0.0000	24.000
10_VES_290	29531.4296	0.0000	24.000
10_VES_300	29531.4298	0.0000	24.000
10_VES_320	29418.9584	0.0000	24.000
10_VES_330	29418.9585	0.0000	24.000
10_VES_340	29418.9586	0.0000	24.000
10_VES_350	29418.9587	0.0000	24.000
10_VES_400	29306.3303	0.0000	24.000
10_VES_420	24001.3305	0.0000	24.000
10_VES_430	24001.3307	0.0000	24.000
10_VES_450	23910.3945	0.0000	24.000
10_VES_460	23910.3946	0.0000	24.000
10_VES_470	23910.3947	0.0000	24.000
10_VES_540	23845.9165	0.0000	24.000
10_VES_550	23845.9165	0.0000	24.000
10_VES_560	23845.9167	0.0000	24.000
10_VES_580	23769.8901	0.0000	24.000
10_VES_590	23769.8901	0.0000	24.000
10_VES_610	23259.8903	0.0000	24.000
10_VES_660	22191.0461	0.0000	24.000
10_VES_670	22191.0461	0.0000	24.000



10_VES_680	20877.0461	0.0000	24.000
10_VES_690	19077.0462	0.0000	24.000
40_VES_040	10241.5469	0.0000	24.000
40_VES_050	10241.5469	0.0000	24.000
40_VES_060	8891.5470	0.0000	24.000
40_VES_070	8891.5470	0.0000	24.000
40_VES_080	8891.5470	0.0000	24.000
40_VES_090	8891.5470	0.0000	24.000
40_VES_100	8681.5471	0.0000	24.000
40_VES_110	8681.5471	0.0000	24.000
40_VES_120	7691.5472	0.0000	24.000
40_VES_130	7691.5473	0.0000	24.000
40_VES_160	7691.5474	0.0000	24.000
40_VES_140	7661.9545	0.0000	24.000
40_VES_150	7661.9545	0.0000	24.000
40_VES_200	7661.9545	0.0000	24.000
40_VES_210	7661.9545	0.0000	24.000
40_VES_220	7661.9545	0.0000	24.000
40_VES_230	7661.9545	0.0000	24.000
40_VES_240	7661.9546	0.0000	24.000
40_VES_250	7661.9546	0.0000	24.000
40_VES_260	7661.9546	0.0000	24.000
40_VES_270	591.9546	0.0000	24.000
60_VES_040	591.9546	0.0000	24.000
60_VES_050	591.9546	0.0000	24.000
60_VES_060	591.9546	0.0000	24.000
60_VES_070	5591.9546	0.0000	24.000
60_VES_080	5591.9546	0.0000	24.000
60_VES_090	4928.4546	0.0000	24.000
60_VES_100	4928.4546	0.0000	24.000
60_VES_110	3938.4546	0.0000	24.000
60_VES_120	3938.4546	0.0000	24.000
60_VES_270	3683.4546	0.0000	24.000
60_VES_320	3250.9546	0.0000	24.000
60_VES_190	3239.8143	0.0000	24.000
60_VES_200	3239.8143	0.0000	24.000
60_VES_210	3239.8143	0.0000	24.000
60_VES_220	3239.8143	0.0000	24.000
60_VES_230	3239.8143	0.0000	24.000
60_VES_240	3239.8143	0.0000	24.000
60_VES_250	3239.8143	0.0000	24.000
60_VES_290	2841.5000	0.0000	24.000
80_VES_020	2409.0000	0.0000	24.000
80_VES_030	2409.0000	0.0000	24.000
80_VES_040	2409.0000	0.0000	24.000
80_VES_050			

	2409.0000	0.0000	24.000
80_VES_060	2409.0000	0.0000	24.000
80_VES_070	2409.0000	0.0000	24.000
80_VES_080	2409.0000	0.0000	24.000
80_VES_090	2409.0000	0.0000	24.000
80_VES_100	2409.0000	0.0000	24.000
80_VES_110	2409.0000	0.0000	24.000
10_VES_050	7000.0000	0.0000	24.000
90_VES_060	7000.0000	0.0000	24.000
90_VES_070	7000.0000	0.0000	24.000
90_VES_080	7000.0000	0.0000	24.000
90_VES_090	7000.0000	0.0000	24.000
90_VES_100	7000.0000	0.0000	24.000
90_VES_110	7000.0000	0.0000	24.000
90_VES_120	7000.0000	0.0000	24.000
90_VES_130	7000.0000	0.0000	24.000
MTN	29980.2005	0.0000	24.000
10_VES_040	29980.2005	0.0000	24.000
10_VES_210	29636.7186	0.0000	24.000
10_VES_410	25401.3304	0.0000	24.000
10_VES_600	23769.8902	0.0000	24.000
90_VES_040	7000.0000	0.0000	24.000
60_VES_140	3239.8143	0.0000	24.000
HUB7	2800.0000	0.0000	24.000
HUB8	-3300.0000	0.0000	24.000
ARA1	2509.5000	0.0000	24.000
CAN1	0.0000	0.0000	24.000
CAN2	0.0000	0.0000	24.000
HUB1	7000.0000	0.0000	24.000
HUB2	0.0000	0.0000	24.000
HUB3	0.0000	0.0000	24.000
HUB4	0.0000	0.0000	24.000
HUB5	7000.0000	0.0000	24.000
HUB6	300.0000	0.0000	24.000
HUB9	0.0000	0.0000	24.000
HUB10	10277.0462	0.0000	24.000
RES_CBA	29980.2005	0.0000	24.000
RES_MRD	29862.8835	0.0000	24.000
RES_ANT	29749.5677	0.0000	24.000
RES_CGR	29636.7187	0.0000	24.000
RES_RRP	29531.4299	0.0000	24.000
RES_TLG	29418.9588	0.0000	24.000
RES_MIR	24001.3308	0.0000	24.000
RES_PEN	23910.3949	0.0000	24.000
RES_IAC	23845.9168	0.0000	24.000
RES_SCA			

	23259.8904	0.0000	24.000
RES_BIG	3250.9546	0.0000	24.000
RES_SID	2846.3143	0.0000	24.000
RES_ARC	591.9546	0.0000	24.000
RES_PLN	10277.0462	0.0000	24.000
RES_CBO	7691.5474	0.0000	24.000
ERP_ARC	591.9546	0.0000	24.000
ERP_PLN	7000.0000	0.0000	24.000
COOL_CBA	29862.8834	0.0000	24.000
COOL_MRD	29749.5675	0.0000	24.000
COOL_ANT	29636.7185	0.0000	24.000
COOL_CGR	29531.4296	0.0000	24.000
COOL_RRP	29418.9584	0.0000	24.000
COOL_TLG	29306.3303	0.0000	24.000
COOL_MIR	23910.3945	0.0000	24.000
COOL_PEN	23845.9165	0.0000	24.000
COOL_IAC	23769.8901	0.0000	24.000
COOL_SCA	23181.0460	0.0000	24.000
COOL_BIG	3239.8143	0.0000	24.000
COOL_ARC	591.9546	0.0000	24.000
COOL_PLN	10241.5469	0.0000	24.000
COOL_CBO	7661.9545	0.0000	24.000
COOL_SID	2841.5000	0.0000	24.000

**Relief Valves Hydraulic Summary Report : 0.000  
hours**

**Xreg Hydraulic Summary Report : 0.000 hours**

Xreg Summary						
Xreg Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
RGD	MaximumPressure	85.00	- 29980.201	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97

TGS	MaximumFlow	71.24	-5000.000	20.00	0.6325	35.97
PE CBA	MaximumFlow	78.44	0.000	45.91	0.6325	35.97
PE CGR	MaximumFlow	75.74	0.000	31.75	0.6325	35.97
UTE TLG	MaximumFlow	89.66	1400.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	90.39	0.000	35.90	0.6325	35.97
PE BSP	MaximumFlow	89.70	510.000	33.12	0.6325	35.97
PE SCA	MaximumFlow	98.35	990.000	41.69	0.6325	35.97
PE RCL	MaximumFlow	94.93	1314.000	36.34	0.6325	35.97
PE LMR	MaximumFlow	92.66	1800.000	34.04	0.6325	35.97
PE AMR	MaximumFlow	91.20	1800.000	32.21	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	97.96	0.000	35.89	0.6325	35.97
PE CMP	MaximumFlow	96.42	1350.000	33.62	0.6325	35.97
PE ITU	MaximumFlow	93.92	0.000	29.03	0.6325	35.97
PE ACB	MaximumFlow	89.92	210.000	25.97	0.6325	35.97
PE CIC ARC	MaximumFlow	81.25	1800.000	22.54	0.6325	35.97
PE RPR	MaximumFlow	81.24	2509.500	22.64	0.6325	35.97
PE JVL	MaximumFlow	68.89	0.000	19.98	0.6325	35.97
PE GMM	MaximumFlow	65.66	663.500	19.85	0.6325	35.97
PE GSP	MaximumFlow	60.56	990.000	20.97	0.6325	35.97
PE BRQ	MaximumFlow	59.16	255.000	20.90	0.6325	35.97
PE TJC	MaximumFlow	57.27	432.500	21.20	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	33.18	0.6325	35.97
PE TBR	MaximumFlow	65.05	0.000	21.19	0.6325	35.97
PE URS	MaximumFlow	62.04	393.500	21.01	0.6325	35.97
PE NVZ	MaximumFlow	74.70	432.500	30.14	0.6325	35.97
PE VZC	MaximumFlow	59.30	0.000	20.26	0.6325	35.97
PE ARA	MaximumFlow	57.43	0.000	21.13	0.6325	35.97
PE CCH	MaximumFlow	54.86	0.000	20.93	0.6325	35.97
PE RFP	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE CAN	MaximumFlow	54.34	2409.000	20.77	0.6325	35.97
PE JGN	MaximumFlow	74.26	0.000	24.19	0.6325	35.97
PE ITA	MaximumFlow	70.27	0.000	22.66	0.6325	35.97
PE GRM	MaximumFlow	64.53	0.000	23.52	0.6325	35.97
EMED GRM	MaximumFlow	63.29	7000.000	23.24	0.6325	35.97
PE IND	MaximumFlow	94.77	0.000	30.35	0.6325	35.97
UTE ARC	MaximumFlow	81.24	2560.500	22.64	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	92.40	0.000	27.77	0.6325	35.97
PE CLG	MaximumFlow	82.13	200.000	21.96	0.6325	35.97
PE GMN	MaximumFlow	99.42	0.000	38.83	0.6325	35.97
EMED GASCAR_S	MaximumFlow	65.00	500.000	25.00	0.6325	35.97
PE IGR	MaximumFlow	58.84	0.000	22.28	0.6325	35.97
EMED JCT	MaximumFlow	65.00	300.000	25.00	0.6325	35.97
PE GUA	MaximumFlow	95.61	0.000	39.91	0.6325	35.97

PE VLP	MaximumFlow	96.44	0.000	42.52	0.6325	35.97
PE IAC	MaximumFlow	84.24	0.000	30.52	0.6325	35.97
PE IBT	MaximumFlow	97.52	0.000	40.34	0.6325	35.97
UFN TLG	MaximumFlow	89.66	3905.000	39.49	0.6325	35.97
PE ITP	MaximumFlow	86.48	990.000	25.24	0.6325	35.97
PE ITR	MaximumFlow	96.66	0.000	39.36	0.6325	35.97
COM_CBA	MaximumFlow	73.47	117.317	42.20	0.6325	35.97
COM_MRD	MaximumFlow	73.91	113.316	31.36	0.6325	35.97
COMB_ANT	MaximumFlow	74.11	112.849	31.51	0.6325	35.97
COMB_CGR	MaximumFlow	75.73	105.289	31.75	0.6325	35.97
COMB_RRP	MaximumFlow	73.41	112.472	31.36	0.6325	35.97
COMB_TLG	MaximumFlow	73.40	112.629	31.04	0.6325	35.97
COMB_MIR	MaximumFlow	78.44	90.936	30.33	0.6325	35.97
COMB_PEN	MaximumFlow	84.63	64.478	31.54	0.6325	35.97
COMB_IAC	MaximumFlow	84.24	76.027	30.51	0.6325	35.97
COMB_SCA	MaximumFlow	82.13	78.844	28.52	0.6325	35.97
COMB_ARC	MaximumFlow	81.23	0.000	22.64	0.6325	35.97
COMB_PLN	MaximumFlow	89.39	35.499	30.46	0.6325	35.97
COMB_CBO	MaximumFlow	82.26	29.593	24.94	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	55.95	11.140	21.06	0.6325	35.97

Accumulated Volume Summary			
Xreg Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-29980.2005	0.0000	24.000
EMED GASCAR_E	-3300.0000	0.0000	24.000
TGS	-5000.0000	0.0000	24.000
PE CBA	0.0000	0.0000	24.000
PE CGR	0.0000	0.0000	24.000
UTE TLG	1400.0000	0.0000	24.000
PE BLC	0.0000	0.0000	24.000
PE BSP	510.0000	0.0000	24.000
PE SCA	990.0000	0.0000	24.000
PE RCL	1314.0000	0.0000	24.000
PE LMR	1800.0000	0.0000	24.000
PE AMR	1800.0000	0.0000	24.000
PE RPL	2500.0000	0.0000	24.000
PE SMR	0.0000	0.0000	24.000
PE CMP	1350.0000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	210.0000	0.0000	24.000
PE CIC ARC	1800.0000	0.0000	24.000

PE RPR	2509.5000	0.0000	24.000
PE JVL	0.0000	0.0000	24.000
PE GMM	663.5000	0.0000	24.000
PE GSP	990.0000	0.0000	24.000
PE BRQ	255.0000	0.0000	24.000
PE TJC	432.5000	0.0000	24.000
PE SPA	0.0000	0.0000	24.000
PE TBR	0.0000	0.0000	24.000
PE URS	393.5000	0.0000	24.000
PE NVZ	432.5000	0.0000	24.000
PE VZC	0.0000	0.0000	24.000
PE ARA	0.0000	0.0000	24.000
PE CCH	0.0000	0.0000	24.000
PE RFP	0.0000	0.0000	24.000
PE CAN	2409.0000	0.0000	24.000
PE JGN	0.0000	0.0000	24.000
PE ITA	0.0000	0.0000	24.000
PE GRM	0.0000	0.0000	24.000
EMED GRM	7000.0000	0.0000	24.000
PE IND	0.0000	0.0000	24.000
UTE ARC	2560.5000	0.0000	24.000
UTE CAN	0.0000	0.0000	24.000
PE PFZ	0.0000	0.0000	24.000
PE CLG	200.0000	0.0000	24.000
PE GMN	0.0000	0.0000	24.000
EMED GASCAR_S	500.0000	0.0000	24.000
PE IGR	0.0000	0.0000	24.000
EMED JCT	300.0000	0.0000	24.000
PE GUA	0.0000	0.0000	24.000
PE VLP	0.0000	0.0000	24.000
PE IAC	0.0000	0.0000	24.000
PE IBT	0.0000	0.0000	24.000
UFN TLG	3905.0000	0.0000	24.000
PE ITP	990.0000	0.0000	24.000
PE ITR	0.0000	0.0000	24.000
COM_CBA	117.3171	0.0000	24.000
COM_MRD	113.3160	0.0000	24.000
COMB_ANT	112.8491	0.0000	24.000
COMB_CGR	105.2891	0.0000	24.000
COMB_RRP	112.4715	0.0000	24.000
COMB_TLG	112.6285	0.0000	24.000
COMB_MIR	90.9363	0.0000	24.000
COMB_PEN	64.4784	0.0000	24.000
COMB_IAC	76.0267	0.0000	24.000
COMB_SCA	78.8443	0.0000	24.000

COMB_ARC	0.0000	0.0000	24.000
COMB_PLN	35.4993	0.0000	24.000
COMB_CBO	29.5929	0.0000	24.000
COMB_SID	4.8143	0.0000	24.000
COMB_BIG	11.1403	0.0000	24.000

### Xreg Quality Summary Report : 0.000 hours

Xreg Quality Summary			
Xreg Name	Specific Gravity	Heating Value	Wobbe Index
		MJ/m3	MJ/m3
RGD	0.6325	35.9734	0.0000
EMED GASCAR_E	0.6325	35.9734	0.0000
TGS	0.6325	35.9734	0.0000
PE CBA	0.6325	35.9734	0.0000
PE CGR	0.6325	35.9734	0.0000
UTE TLG	0.6325	35.9734	0.0000
PE BLC	0.6325	35.9734	0.0000
PE BSP	0.6325	35.9734	0.0000
PE SCA	0.6325	35.9734	0.0000
PE RCL	0.6325	35.9734	0.0000
PE LMR	0.6325	35.9734	0.0000
PE AMR	0.6325	35.9734	0.0000
PE RPL	0.6325	35.9734	0.0000
PE SMR	0.6325	35.9734	0.0000
PE CMP	0.6325	35.9734	0.0000
PE ITU	0.6325	35.9734	0.0000
PE ACB	0.6325	35.9734	0.0000
PE CIC ARC	0.6325	35.9734	0.0000
PE RPR	0.6325	35.9734	0.0000
PE JVL	0.6325	35.9734	0.0000
PE GMM	0.6325	35.9734	0.0000
PE GSP	0.6325	35.9734	0.0000
PE BRQ	0.6325	35.9734	0.0000
PE TJC	0.6325	35.9734	0.0000
PE SPA	0.6325	35.9734	0.0000
PE TBR	0.6325	35.9734	0.0000
PE URS	0.6325	35.9734	0.0000
PE NVZ	0.6325	35.9734	0.0000
PE VZC	0.6325	35.9734	0.0000
PE ARA	0.6325	35.9734	0.0000

PE CCH	0.6325	35.9734	0.0000
PE RFP	0.6325	35.9734	0.0000
PE CAN	0.6325	35.9734	0.0000
PE JGN	0.6325	35.9734	0.0000
PE ITA	0.6325	35.9734	0.0000
PE GRM	0.6325	35.9734	0.0000
EMED GRM	0.6325	35.9734	0.0000
PE IND	0.6325	35.9734	0.0000
UTE ARC	0.6325	35.9734	0.0000
UTE CAN	0.6325	35.9734	0.0000
PE PFZ	0.6325	35.9734	0.0000
PE CLG	0.6325	35.9734	0.0000
PE GMN	0.6325	35.9734	0.0000
EMED GASCAR_S	0.6325	35.9734	0.0000
PE IGR	0.6325	35.9734	0.0000
EMED JCT	0.6325	35.9734	0.0000
PE GUA	0.6325	35.9734	0.0000
PE VLP	0.6325	35.9734	0.0000
PE IAC	0.6325	35.9734	0.0000
PE IBT	0.6325	35.9734	0.0000
UFN TLG	0.6325	35.9734	0.0000
PE ITP	0.6325	35.9734	0.0000
PE ITR	0.6325	35.9734	0.0000
COM_CBA	0.6325	35.9734	0.0000
COM_MRD	0.6325	35.9734	0.0000
COMB_ANT	0.6325	35.9734	0.0000
COMB_CGR	0.6325	35.9734	0.0000
COMB_RRP	0.6325	35.9734	0.0000
COMB_TLG	0.6325	35.9734	0.0000
COMB_MIR	0.6325	35.9734	0.0000
COMB_PEN	0.6325	35.9734	0.0000
COMB_IAC	0.6325	35.9734	0.0000
COMB_SCA	0.6325	35.9734	0.0000
COMB_ARC	0.6325	35.9734	0.0000
COMB_PLN	0.6325	35.9734	0.0000
COMB_CBO	0.6325	35.9734	0.0000
COMB_SID	0.6325	35.9734	0.0000
COMB_BIG	0.6325	35.9734	0.0000

Xreg Quality Summary						
Xreg Name	C1	C2	C3	IC4	NC4	IC5
	%	%	%	%	%	%
RGD	89.20	5.90	1.81	0.29	0.40	0.12
EMED GASCAR_E	89.20	5.90	1.81	0.29	0.40	0.12



TGS	89.20	5.90	1.81	0.29	0.40	0.12
PE CBA	89.20	5.90	1.81	0.29	0.40	0.12
PE CGR	89.20	5.90	1.81	0.29	0.40	0.12
UTE TLG	89.20	5.90	1.81	0.29	0.40	0.12
PE BLC	89.20	5.90	1.81	0.29	0.40	0.12
PE BSP	89.20	5.90	1.81	0.29	0.40	0.12
PE SCA	89.20	5.90	1.81	0.29	0.40	0.12
PE RCL	89.20	5.90	1.81	0.29	0.40	0.12
PE LMR	89.20	5.90	1.81	0.29	0.40	0.12
PE AMR	89.20	5.90	1.81	0.29	0.40	0.12
PE RPL	89.20	5.90	1.81	0.29	0.40	0.12
PE SMR	89.20	5.90	1.81	0.29	0.40	0.12
PE CMP	89.20	5.90	1.81	0.29	0.40	0.12
PE ITU	89.20	5.90	1.81	0.29	0.40	0.12
PE ACB	89.20	5.90	1.81	0.29	0.40	0.12
PE CIC ARC	89.20	5.90	1.81	0.29	0.40	0.12
PE RPR	89.20	5.90	1.81	0.29	0.40	0.12
PE JVL	89.20	5.90	1.81	0.29	0.40	0.12
PE GMM	89.20	5.90	1.81	0.29	0.40	0.12
PE GSP	89.20	5.90	1.81	0.29	0.40	0.12
PE BRQ	89.20	5.90	1.81	0.29	0.40	0.12
PE TJC	89.20	5.90	1.81	0.29	0.40	0.12
PE SPA	89.20	5.90	1.81	0.29	0.40	0.12
PE TBR	89.20	5.90	1.81	0.29	0.40	0.12
PE URS	89.20	5.90	1.81	0.29	0.40	0.12
PE NVZ	89.20	5.90	1.81	0.29	0.40	0.12
PE VZC	89.20	5.90	1.81	0.29	0.40	0.12
PE ARA	89.20	5.90	1.81	0.29	0.40	0.12
PE CCH	89.20	5.90	1.81	0.29	0.40	0.12
PE RFP	89.20	5.90	1.81	0.29	0.40	0.12
PE CAN	89.20	5.90	1.81	0.29	0.40	0.12
PE JGN	89.20	5.90	1.81	0.29	0.40	0.12
PE ITA	89.20	5.90	1.81	0.29	0.40	0.12
PE GRM	89.20	5.90	1.81	0.29	0.40	0.12
EMED GRM	89.20	5.90	1.81	0.29	0.40	0.12
PE IND	89.20	5.90	1.81	0.29	0.40	0.12
UTE ARC	89.20	5.90	1.81	0.29	0.40	0.12
UTE CAN	89.20	5.90	1.81	0.29	0.40	0.12
PE PFZ	89.20	5.90	1.81	0.29	0.40	0.12
PE CLG	89.20	5.90	1.81	0.29	0.40	0.12
PE GMN	89.20	5.90	1.81	0.29	0.40	0.12
EMED GASCAR_S	89.20	5.90	1.81	0.29	0.40	0.12
PE IGR	89.20	5.90	1.81	0.29	0.40	0.12
EMED JCT	89.20	5.90	1.81	0.29	0.40	0.12
PE GUA	89.20	5.90	1.81	0.29	0.40	0.12
PE VLD						

	89.20	5.90	1.81	0.29	0.40	0.12
PE IAC	89.20	5.90	1.81	0.29	0.40	0.12
PE IBT	89.20	5.90	1.81	0.29	0.40	0.12
UFN TLG	89.20	5.90	1.81	0.29	0.40	0.12
PE ITP	89.20	5.90	1.81	0.29	0.40	0.12
PE ITR	89.20	5.90	1.81	0.29	0.40	0.12
COM_CBA	89.20	5.90	1.81	0.29	0.40	0.12
COM_MRD	89.20	5.90	1.81	0.29	0.40	0.12
COMB_ANT	89.20	5.90	1.81	0.29	0.40	0.12
COMB_CGR	89.20	5.90	1.81	0.29	0.40	0.12
COMB_RRP	89.20	5.90	1.81	0.29	0.40	0.12
COMB_TLG	89.20	5.90	1.81	0.29	0.40	0.12
COMB_MIR	89.20	5.90	1.81	0.29	0.40	0.12
COMB_PEN	89.20	5.90	1.81	0.29	0.40	0.12
COMB_IAC	89.20	5.90	1.81	0.29	0.40	0.12
COMB_SCA	89.20	5.90	1.81	0.29	0.40	0.12
COMB_ARC	89.20	5.90	1.81	0.29	0.40	0.12
COMB_PLN	89.20	5.90	1.81	0.29	0.40	0.12
COMB_CBO	89.20	5.90	1.81	0.29	0.40	0.12
COMB_SID	89.20	5.90	1.81	0.29	0.40	0.12
COMB_BIG	89.20	5.90	1.81	0.29	0.40	0.12

Xreg Quality Summary					
Xreg Name	NC5	C6	CO2	N2	O2
	%	%	%	%	%
RGD	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_E	0.08	0.09	1.39	0.71	0.01
TGS	0.08	0.09	1.39	0.71	0.01
PE CBA	0.08	0.09	1.39	0.71	0.01
PE CGR	0.08	0.09	1.39	0.71	0.01
UTE TLG	0.08	0.09	1.39	0.71	0.01
PE BLC	0.08	0.09	1.39	0.71	0.01
PE BSP	0.08	0.09	1.39	0.71	0.01
PE SCA	0.08	0.09	1.39	0.71	0.01
PE RCL	0.08	0.09	1.39	0.71	0.01
PE LMR	0.08	0.09	1.39	0.71	0.01
PE AMR	0.08	0.09	1.39	0.71	0.01
PE RPL	0.08	0.09	1.39	0.71	0.01
PE SMR	0.08	0.09	1.39	0.71	0.01
PE CMP	0.08	0.09	1.39	0.71	0.01
PE ITU	0.08	0.09	1.39	0.71	0.01
PE ACB	0.08	0.09	1.39	0.71	0.01
PE CIC ARC	0.08	0.09	1.39	0.71	0.01
PE RPR	0.08	0.09	1.39	0.71	0.01

PE JVL	0.08	0.09	1.39	0.71	0.01
PE GMM	0.08	0.09	1.39	0.71	0.01
PE GSP	0.08	0.09	1.39	0.71	0.01
PE BRQ	0.08	0.09	1.39	0.71	0.01
PE TJC	0.08	0.09	1.39	0.71	0.01
PE SPA	0.08	0.09	1.39	0.71	0.01
PE TBR	0.08	0.09	1.39	0.71	0.01
PE URS	0.08	0.09	1.39	0.71	0.01
PE NVZ	0.08	0.09	1.39	0.71	0.01
PE VZC	0.08	0.09	1.39	0.71	0.01
PE ARA	0.08	0.09	1.39	0.71	0.01
PE CCH	0.08	0.09	1.39	0.71	0.01
PE RFP	0.08	0.09	1.39	0.71	0.01
PE CAN	0.08	0.09	1.39	0.71	0.01
PE JGN	0.08	0.09	1.39	0.71	0.01
PE ITA	0.08	0.09	1.39	0.71	0.01
PE GRM	0.08	0.09	1.39	0.71	0.01
EMED GRM	0.08	0.09	1.39	0.71	0.01
PE IND	0.08	0.09	1.39	0.71	0.01
UTE ARC	0.08	0.09	1.39	0.71	0.01
UTE CAN	0.08	0.09	1.39	0.71	0.01
PE PFZ	0.08	0.09	1.39	0.71	0.01
PE CLG	0.08	0.09	1.39	0.71	0.01
PE GMN	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_S	0.08	0.09	1.39	0.71	0.01
PE IGR	0.08	0.09	1.39	0.71	0.01
EMED JCT	0.08	0.09	1.39	0.71	0.01
PE GUA	0.08	0.09	1.39	0.71	0.01
PE VLP	0.08	0.09	1.39	0.71	0.01
PE IAC	0.08	0.09	1.39	0.71	0.01
PE IBT	0.08	0.09	1.39	0.71	0.01
UFN TLG	0.08	0.09	1.39	0.71	0.01
PE ITP	0.08	0.09	1.39	0.71	0.01
PE ITR	0.08	0.09	1.39	0.71	0.01
COM_CBA	0.08	0.09	1.39	0.71	0.01
COM_MRD	0.08	0.09	1.39	0.71	0.01
COMB_ANT	0.08	0.09	1.39	0.71	0.01
COMB_CGR	0.08	0.09	1.39	0.71	0.01
COMB_RRP	0.08	0.09	1.39	0.71	0.01
COMB_TLG	0.08	0.09	1.39	0.71	0.01
COMB_MIR	0.08	0.09	1.39	0.71	0.01
COMB_PEN	0.08	0.09	1.39	0.71	0.01
COMB_IAC	0.08	0.09	1.39	0.71	0.01
COMB_SCA	0.08	0.09	1.39	0.71	0.01
COMB_ARC	0.08	0.09	1.39	0.71	0.01
COMB_PEN					

	0.08	0.09	1.39	0.71	0.01
COMB_CBO	0.08	0.09	1.39	0.71	0.01
COMB_SID	0.08	0.09	1.39	0.71	0.01
COMB_BIG	0.08	0.09	1.39	0.71	0.01

### Supply Hydraulic Summary Report : 0.000 hours

Supply Summary						
Supply Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
RGD	MaximumPressure	85.00	-29980.201	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97
TGS	MaximumFlow	71.24	-5000.000	20.00	0.6325	35.97

Accumulated Volume Summary			
Supply Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-29980.2005	0.0000	24.000
EMED GASCAR_E	-3300.0000	0.0000	24.000
TGS	-5000.0000	0.0000	24.000

### Supply Quality Summary Report : 0.000 hours

Supply Quality Summary			
Supply Name	Specific Gravity	Heating Value	Wobbe Index
		MJ/m3	MJ/m3
RGD	0.6325	35.9734	0.0000
EMED GASCAR_E	0.6325	35.9734	0.0000
TGS	0.6325	35.9734	0.0000

Supply Quality Summary			

Supply Name	C1	C2	C3	IC4	NC4	IC5
	%	%	%	%	%	%
RGD	89.20	5.90	1.81	0.29	0.40	0.12
EMED GASCAR_E	89.20	5.90	1.81	0.29	0.40	0.12
TGS	89.20	5.90	1.81	0.29	0.40	0.12

Supply Quality Summary					
Supply Name	NC5	C6	CO2	N2	O2
	%	%	%	%	%
RGD	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_E	0.08	0.09	1.39	0.71	0.01
TGS	0.08	0.09	1.39	0.71	0.01

### Delivery Hydraulic Summary Report : 0.000 hours

Delivery Summary						
Delivery Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
PE CBA	MaximumFlow	78.44	0.000	45.91	0.6325	35.97
PE CGR	MaximumFlow	75.74	0.000	31.75	0.6325	35.97
UTE TLG	MaximumFlow	89.66	1400.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	90.39	0.000	35.90	0.6325	35.97
PE BSP	MaximumFlow	89.70	510.000	33.12	0.6325	35.97
PE SCA	MaximumFlow	98.35	990.000	41.69	0.6325	35.97
PE RCL	MaximumFlow	94.93	1314.000	36.34	0.6325	35.97
PE LMR	MaximumFlow	92.66	1800.000	34.04	0.6325	35.97
PE AMR	MaximumFlow	91.20	1800.000	32.21	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	97.96	0.000	35.89	0.6325	35.97
PE CMP	MaximumFlow	96.42	1350.000	33.62	0.6325	35.97
PE ITU	MaximumFlow	93.92	0.000	29.03	0.6325	35.97
PE ACB	MaximumFlow	89.92	210.000	25.97	0.6325	35.97
PE CIC ARC	MaximumFlow	81.25	1800.000	22.54	0.6325	35.97
PE RPR	MaximumFlow	81.24	2509.500	22.64	0.6325	35.97
PE JVL	MaximumFlow	68.89	0.000	19.98	0.6325	35.97
PE GMM	MaximumFlow	65.66	663.500	19.85	0.6325	35.97
PE GSP	MaximumFlow	60.56	990.000	20.97	0.6325	35.97
PE BRQ	MaximumFlow	59.16	255.000	20.90	0.6325	35.97

PE TJC	MaximumFlow	57.27	432.500	21.20	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	33.18	0.6325	35.97
PE TBR	MaximumFlow	65.05	0.000	21.19	0.6325	35.97
PE URS	MaximumFlow	62.04	393.500	21.01	0.6325	35.97
PE NVZ	MaximumFlow	74.70	432.500	30.14	0.6325	35.97
PE VZC	MaximumFlow	59.30	0.000	20.26	0.6325	35.97
PE ARA	MaximumFlow	57.43	0.000	21.13	0.6325	35.97
PE CCH	MaximumFlow	54.86	0.000	20.93	0.6325	35.97
PE RFP	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE CAN	MaximumFlow	54.34	2409.000	20.77	0.6325	35.97
PE JGN	MaximumFlow	74.26	0.000	24.19	0.6325	35.97
PE ITA	MaximumFlow	70.27	0.000	22.66	0.6325	35.97
PE GRM	MaximumFlow	64.53	0.000	23.52	0.6325	35.97
EMED GRM	MaximumFlow	63.29	7000.000	23.24	0.6325	35.97
PE IND	MaximumFlow	94.77	0.000	30.35	0.6325	35.97
UTE ARC	MaximumFlow	81.24	2560.500	22.64	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	92.40	0.000	27.77	0.6325	35.97
PE CLG	MaximumFlow	82.13	200.000	21.96	0.6325	35.97
PE GMN	MaximumFlow	99.42	0.000	38.83	0.6325	35.97
EMED GASCAR_S	MaximumFlow	65.00	500.000	25.00	0.6325	35.97
PE IGR	MaximumFlow	58.84	0.000	22.28	0.6325	35.97
EMED JCT	MaximumFlow	65.00	300.000	25.00	0.6325	35.97
PE GUA	MaximumFlow	95.61	0.000	39.91	0.6325	35.97
PE VLP	MaximumFlow	96.44	0.000	42.52	0.6325	35.97
PE IAC	MaximumFlow	84.24	0.000	30.52	0.6325	35.97
PE IBT	MaximumFlow	97.52	0.000	40.34	0.6325	35.97
UFN TLG	MaximumFlow	89.66	3905.000	39.49	0.6325	35.97
PE ITP	MaximumFlow	86.48	990.000	25.24	0.6325	35.97
PE ITR	MaximumFlow	96.66	0.000	39.36	0.6325	35.97

Accumulated Volume Summary			
Delivery Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
PE CBA	0.0000	0.0000	24.000
PE CGR	0.0000	0.0000	24.000
UTE TLG	1400.0000	0.0000	24.000
PE BLC	0.0000	0.0000	24.000
PE BSP	510.0000	0.0000	24.000
PE SCA	990.0000	0.0000	24.000
PE RCL	1314.0000	0.0000	24.000
PE LMR	1800.0000	0.0000	24.000

PE AMR	1800.0000	0.0000	24.000
PE RPL	2500.0000	0.0000	24.000
PE SMR	0.0000	0.0000	24.000
PE CMP	1350.0000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	210.0000	0.0000	24.000
PE CIC ARC	1800.0000	0.0000	24.000
PE RPR	2509.5000	0.0000	24.000
PE JVL	0.0000	0.0000	24.000
PE GMM	663.5000	0.0000	24.000
PE GSP	990.0000	0.0000	24.000
PE BRQ	255.0000	0.0000	24.000
PE TJC	432.5000	0.0000	24.000
PE SPA	0.0000	0.0000	24.000
PE TBR	0.0000	0.0000	24.000
PE URS	393.5000	0.0000	24.000
PE NVZ	432.5000	0.0000	24.000
PE VZC	0.0000	0.0000	24.000
PE ARA	0.0000	0.0000	24.000
PE CCH	0.0000	0.0000	24.000
PE RFP	0.0000	0.0000	24.000
PE CAN	2409.0000	0.0000	24.000
PE JGN	0.0000	0.0000	24.000
PE ITA	0.0000	0.0000	24.000
PE GRM	0.0000	0.0000	24.000
EMED GRM	7000.0000	0.0000	24.000
PE IND	0.0000	0.0000	24.000
UTE ARC	2560.5000	0.0000	24.000
UTE CAN	0.0000	0.0000	24.000
PE PFZ	0.0000	0.0000	24.000
PE CLG	200.0000	0.0000	24.000
PE GMN	0.0000	0.0000	24.000
EMED GASCAR_S	500.0000	0.0000	24.000
PE IGR	0.0000	0.0000	24.000
EMED JCT	300.0000	0.0000	24.000
PE GUA	0.0000	0.0000	24.000
PE VLP	0.0000	0.0000	24.000
PE IAC	0.0000	0.0000	24.000
PE IBT	0.0000	0.0000	24.000
UFN TLG	3905.0000	0.0000	24.000
PE ITP	990.0000	0.0000	24.000
PE ITR	0.0000	0.0000	24.000

### Delivery Quality Summary Report : 0.000 hours

Delivery Quality Summary			
Delivery Name	Specific Gravity	Heating Value	Wobbe Index
		MJ/m3	MJ/m3
PE CBA	0.6325	35.9734	0.0000
PE CGR	0.6325	35.9734	0.0000
UTE TLG	0.6325	35.9734	0.0000
PE BLC	0.6325	35.9734	0.0000
PE BSP	0.6325	35.9734	0.0000
PE SCA	0.6325	35.9734	0.0000
PE RCL	0.6325	35.9734	0.0000
PE LMR	0.6325	35.9734	0.0000
PE AMR	0.6325	35.9734	0.0000
PE RPL	0.6325	35.9734	0.0000
PE SMR	0.6325	35.9734	0.0000
PE CMP	0.6325	35.9734	0.0000
PE ITU	0.6325	35.9734	0.0000
PE ACB	0.6325	35.9734	0.0000
PE CIC ARC	0.6325	35.9734	0.0000
PE RPR	0.6325	35.9734	0.0000
PE JVL	0.6325	35.9734	0.0000
PE GMM	0.6325	35.9734	0.0000
PE GSP	0.6325	35.9734	0.0000
PE BRQ	0.6325	35.9734	0.0000
PE TJC	0.6325	35.9734	0.0000
PE SPA	0.6325	35.9734	0.0000
PE TBR	0.6325	35.9734	0.0000
PE URS	0.6325	35.9734	0.0000
PE NVZ	0.6325	35.9734	0.0000
PE VZC	0.6325	35.9734	0.0000
PE ARA	0.6325	35.9734	0.0000
PE CCH	0.6325	35.9734	0.0000
PE RFP	0.6325	35.9734	0.0000
PE CAN	0.6325	35.9734	0.0000
PE JGN	0.6325	35.9734	0.0000
PE ITA	0.6325	35.9734	0.0000
PE GRM	0.6325	35.9734	0.0000
EMED GRM	0.6325	35.9734	0.0000
PE IND	0.6325	35.9734	0.0000
UTE ARC	0.6325	35.9734	0.0000
UTE CAN	0.6325	35.9734	0.0000



PE PFZ	0.6325	35.9734	0.0000
PE CLG	0.6325	35.9734	0.0000
PE GMN	0.6325	35.9734	0.0000
EMED GASCAR_S	0.6325	35.9734	0.0000
PE IGR	0.6325	35.9734	0.0000
EMED JCT	0.6325	35.9734	0.0000
PE GUA	0.6325	35.9734	0.0000
PE VLP	0.6325	35.9734	0.0000
PE IAC	0.6325	35.9734	0.0000
PE IBT	0.6325	35.9734	0.0000
UFN TLG	0.6325	35.9734	0.0000
PE ITP	0.6325	35.9734	0.0000
PE ITR	0.6325	35.9734	0.0000

Delivery Quality Summary						
Delivery Name	C1	C2	C3	IC4	NC4	IC5
	%	%	%	%	%	%
PE CBA	89.20	5.90	1.81	0.29	0.40	0.12
PE CGR	89.20	5.90	1.81	0.29	0.40	0.12
UTE TLG	89.20	5.90	1.81	0.29	0.40	0.12
PE BLC	89.20	5.90	1.81	0.29	0.40	0.12
PE BSP	89.20	5.90	1.81	0.29	0.40	0.12
PE SCA	89.20	5.90	1.81	0.29	0.40	0.12
PE RCL	89.20	5.90	1.81	0.29	0.40	0.12
PE LMR	89.20	5.90	1.81	0.29	0.40	0.12
PE AMR	89.20	5.90	1.81	0.29	0.40	0.12
PE RPL	89.20	5.90	1.81	0.29	0.40	0.12
PE SMR	89.20	5.90	1.81	0.29	0.40	0.12
PE CMP	89.20	5.90	1.81	0.29	0.40	0.12
PE ITU	89.20	5.90	1.81	0.29	0.40	0.12
PE ACB	89.20	5.90	1.81	0.29	0.40	0.12
PE CIC ARC	89.20	5.90	1.81	0.29	0.40	0.12
PE RPR	89.20	5.90	1.81	0.29	0.40	0.12
PE JVL	89.20	5.90	1.81	0.29	0.40	0.12
PE GMM	89.20	5.90	1.81	0.29	0.40	0.12
PE GSP	89.20	5.90	1.81	0.29	0.40	0.12
PE BRQ	89.20	5.90	1.81	0.29	0.40	0.12
PE TJC	89.20	5.90	1.81	0.29	0.40	0.12
PE SPA	89.20	5.90	1.81	0.29	0.40	0.12
PE TBR	89.20	5.90	1.81	0.29	0.40	0.12
PE URS	89.20	5.90	1.81	0.29	0.40	0.12
PE NVZ	89.20	5.90	1.81	0.29	0.40	0.12
PE VZC	89.20	5.90	1.81	0.29	0.40	0.12
PE ARA	89.20	5.90	1.81	0.29	0.40	0.12

PE CCH	89.20	5.90	1.81	0.29	0.40	0.12
PE RFP	89.20	5.90	1.81	0.29	0.40	0.12
PE CAN	89.20	5.90	1.81	0.29	0.40	0.12
PE JGN	89.20	5.90	1.81	0.29	0.40	0.12
PE ITA	89.20	5.90	1.81	0.29	0.40	0.12
PE GRM	89.20	5.90	1.81	0.29	0.40	0.12
EMED GRM	89.20	5.90	1.81	0.29	0.40	0.12
PE IND	89.20	5.90	1.81	0.29	0.40	0.12
UTE ARC	89.20	5.90	1.81	0.29	0.40	0.12
UTE CAN	89.20	5.90	1.81	0.29	0.40	0.12
PE PFZ	89.20	5.90	1.81	0.29	0.40	0.12
PE CLG	89.20	5.90	1.81	0.29	0.40	0.12
PE GMN	89.20	5.90	1.81	0.29	0.40	0.12
EMED GASCAR_S	89.20	5.90	1.81	0.29	0.40	0.12
PE IGR	89.20	5.90	1.81	0.29	0.40	0.12
EMED JCT	89.20	5.90	1.81	0.29	0.40	0.12
PE GUA	89.20	5.90	1.81	0.29	0.40	0.12
PE VLP	89.20	5.90	1.81	0.29	0.40	0.12
PE IAC	89.20	5.90	1.81	0.29	0.40	0.12
PE IBT	89.20	5.90	1.81	0.29	0.40	0.12
UFN TLG	89.20	5.90	1.81	0.29	0.40	0.12
PE ITP	89.20	5.90	1.81	0.29	0.40	0.12
PE ITR	89.20	5.90	1.81	0.29	0.40	0.12

Delivery Quality Summary					
Delivery Name	NC5	C6	CO2	N2	O2
	%	%	%	%	%
PE CBA	0.08	0.09	1.39	0.71	0.01
PE CGR	0.08	0.09	1.39	0.71	0.01
UTE TLG	0.08	0.09	1.39	0.71	0.01
PE BLC	0.08	0.09	1.39	0.71	0.01
PE BSP	0.08	0.09	1.39	0.71	0.01
PE SCA	0.08	0.09	1.39	0.71	0.01
PE RCL	0.08	0.09	1.39	0.71	0.01
PE LMR	0.08	0.09	1.39	0.71	0.01
PE AMR	0.08	0.09	1.39	0.71	0.01
PE RPL	0.08	0.09	1.39	0.71	0.01
PE SMR	0.08	0.09	1.39	0.71	0.01
PE CMP	0.08	0.09	1.39	0.71	0.01
PE ITU	0.08	0.09	1.39	0.71	0.01
PE ACB	0.08	0.09	1.39	0.71	0.01
PE CIC ARC	0.08	0.09	1.39	0.71	0.01
PE RPR	0.08	0.09	1.39	0.71	0.01
PE JVL	0.08	0.09	1.39	0.71	0.01

PE GMM	0.08	0.09	1.39	0.71	0.01
PE GSP	0.08	0.09	1.39	0.71	0.01
PE BRQ	0.08	0.09	1.39	0.71	0.01
PE TJC	0.08	0.09	1.39	0.71	0.01
PE SPA	0.08	0.09	1.39	0.71	0.01
PE TBR	0.08	0.09	1.39	0.71	0.01
PE URS	0.08	0.09	1.39	0.71	0.01
PE NVZ	0.08	0.09	1.39	0.71	0.01
PE VZC	0.08	0.09	1.39	0.71	0.01
PE ARA	0.08	0.09	1.39	0.71	0.01
PE CCH	0.08	0.09	1.39	0.71	0.01
PE RFP	0.08	0.09	1.39	0.71	0.01
PE CAN	0.08	0.09	1.39	0.71	0.01
PE JGN	0.08	0.09	1.39	0.71	0.01
PE ITA	0.08	0.09	1.39	0.71	0.01
PE GRM	0.08	0.09	1.39	0.71	0.01
EMED GRM	0.08	0.09	1.39	0.71	0.01
PE IND	0.08	0.09	1.39	0.71	0.01
UTE ARC	0.08	0.09	1.39	0.71	0.01
UTE CAN	0.08	0.09	1.39	0.71	0.01
PE PFZ	0.08	0.09	1.39	0.71	0.01
PE CLG	0.08	0.09	1.39	0.71	0.01
PE GMN	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_S	0.08	0.09	1.39	0.71	0.01
PE IGR	0.08	0.09	1.39	0.71	0.01
EMED JCT	0.08	0.09	1.39	0.71	0.01
PE GUA	0.08	0.09	1.39	0.71	0.01
PE VLP	0.08	0.09	1.39	0.71	0.01
PE IAC	0.08	0.09	1.39	0.71	0.01
PE IBT	0.08	0.09	1.39	0.71	0.01
UFN TLG	0.08	0.09	1.39	0.71	0.01
PE ITP	0.08	0.09	1.39	0.71	0.01
PE ITR	0.08	0.09	1.39	0.71	0.01

**Energy Delivery Hydraulic Summary Report :**  
**0.000 hours**

**Energy Delivery Quality Summary Report : 0.000  
hours**

**Fuel Delivery Hydraulic Summary Report : 0.000  
hours**

Fuel Delivery Summary						
Fuel Delivery Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
COM_CBA	MaximumFlow	73.47	117.317	42.20	0.6325	35.97
COM_MRD	MaximumFlow	73.91	113.316	31.36	0.6325	35.97
COMB_ANT	MaximumFlow	74.11	112.849	31.51	0.6325	35.97
COMB_CGR	MaximumFlow	75.73	105.289	31.75	0.6325	35.97
COMB_RRP	MaximumFlow	73.41	112.472	31.36	0.6325	35.97
COMB_TLG	MaximumFlow	73.40	112.629	31.04	0.6325	35.97
COMB_MIR	MaximumFlow	78.44	90.936	30.33	0.6325	35.97
COMB_PEN	MaximumFlow	84.63	64.478	31.54	0.6325	35.97
COMB_IAC	MaximumFlow	84.24	76.027	30.51	0.6325	35.97
COMB_SCA	MaximumFlow	82.13	78.844	28.52	0.6325	35.97
COMB_ARC	MaximumFlow	81.23	0.000	22.64	0.6325	35.97
COMB_PLN	MaximumFlow	89.39	35.499	30.46	0.6325	35.97
COMB_CBO	MaximumFlow	82.26	29.593	24.94	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	55.95	11.140	21.06	0.6325	35.97

Accumulated Volume Summary			
Fuel Delivery Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
COM_CBA	117.3171	0.0000	24.000
COM_MRD	113.3160	0.0000	24.000
COMB_ANT	112.8491	0.0000	24.000
COMB_CGR	105.2891	0.0000	24.000
COMB_RRP	112.4715	0.0000	24.000
COMB_TLG	112.6285	0.0000	24.000
COMB_MIR	90.9363	0.0000	24.000
COMB_PEN	64.4784	0.0000	24.000
COMB_IAC	76.0267	0.0000	24.000
COMB_SCA	78.8443	0.0000	24.000
COMB_ARC	0.0000	0.0000	24.000

COMB_PLN	35.4993	0.0000	24.000
COMB_CBO	29.5929	0.0000	24.000
COMB_SID	4.8143	0.0000	24.000
COMB_BIG	11.1403	0.0000	24.000

**Fuel Delivery Quality Summary Report : 0.000  
hours**

Fuel Delivery Quality Summary			
Fuel Delivery Name	Specific Gravity	Heating Value	Wobbe Index
		MJ/m3	MJ/m3
COM_CBA	0.6325	35.9734	0.0000
COM_MRD	0.6325	35.9734	0.0000
COMB_ANT	0.6325	35.9734	0.0000
COMB_CGR	0.6325	35.9734	0.0000
COMB_RRP	0.6325	35.9734	0.0000
COMB_TLG	0.6325	35.9734	0.0000
COMB_MIR	0.6325	35.9734	0.0000
COMB_PEN	0.6325	35.9734	0.0000
COMB_IAC	0.6325	35.9734	0.0000
COMB_SCA	0.6325	35.9734	0.0000
COMB_ARC	0.6325	35.9734	0.0000
COMB_PLN	0.6325	35.9734	0.0000
COMB_CBO	0.6325	35.9734	0.0000
COMB_SID	0.6325	35.9734	0.0000
COMB_BIG	0.6325	35.9734	0.0000

Fuel Delivery Quality Summary						
Fuel Delivery Name	C1	C2	C3	IC4	NC4	IC5
	%	%	%	%	%	%
COM_CBA	89.20	5.90	1.81	0.29	0.40	0.12
COM_MRD	89.20	5.90	1.81	0.29	0.40	0.12
COMB_ANT	89.20	5.90	1.81	0.29	0.40	0.12
COMB_CGR	89.20	5.90	1.81	0.29	0.40	0.12
COMB_RRP	89.20	5.90	1.81	0.29	0.40	0.12
COMB_TLG	89.20	5.90	1.81	0.29	0.40	0.12
COMB_MIR	89.20	5.90	1.81	0.29	0.40	0.12
COMB_PEN	89.20	5.90	1.81	0.29	0.40	0.12
COMB_IAC	89.20	5.90	1.81	0.29	0.40	0.12

COMB_SCA	89.20	5.90	1.81	0.29	0.40	0.12
COMB_ARC	89.20	5.90	1.81	0.29	0.40	0.12
COMB_PLN	89.20	5.90	1.81	0.29	0.40	0.12
COMB_CBO	89.20	5.90	1.81	0.29	0.40	0.12
COMB_SID	89.20	5.90	1.81	0.29	0.40	0.12
COMB_BIG	89.20	5.90	1.81	0.29	0.40	0.12

Fuel Delivery Quality Summary					
Fuel Delivery Name	NC5	C6	CO2	N2	O2
	%	%	%	%	%
COM_CBA	0.08	0.09	1.39	0.71	0.01
COM_MRD	0.08	0.09	1.39	0.71	0.01
COMB_ANT	0.08	0.09	1.39	0.71	0.01
COMB_CGR	0.08	0.09	1.39	0.71	0.01
COMB_RRP	0.08	0.09	1.39	0.71	0.01
COMB_TLG	0.08	0.09	1.39	0.71	0.01
COMB_MIR	0.08	0.09	1.39	0.71	0.01
COMB_PEN	0.08	0.09	1.39	0.71	0.01
COMB_IAC	0.08	0.09	1.39	0.71	0.01
COMB_SCA	0.08	0.09	1.39	0.71	0.01
COMB_ARC	0.08	0.09	1.39	0.71	0.01
COMB_PLN	0.08	0.09	1.39	0.71	0.01
COMB_CBO	0.08	0.09	1.39	0.71	0.01
COMB_SID	0.08	0.09	1.39	0.71	0.01
COMB_BIG	0.08	0.09	1.39	0.71	0.01

**Leak Delivery Hydraulic Summary Report : 0.000  
hours**

**Leak Delivery Quality Summary Report : 0.000  
hours**

**Station Hydraulic Summary Report : 0.000 hours**

**Station C5**

**Station C6**

**Station C7**

**Station C8**

**Station C9**

**Station C10**

**Station C11**

**Station ECOMP\_PEN**

**Station C13**

**Station C14**

**Station C15**

**Station C-17**

Station C18

Station Station0032

Station Station0033

Bank Summary								
Bank Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
CBA	MaximumDownstreamPressure	73.47	100.00	29862.883	42.20	66.89	0.6325	35.97
MRD	MaximumDownstreamPressure	73.91	100.00	29749.568	31.36	54.96	0.6325	35.97
ANT	MaximumDownstreamPressure	74.11	100.00	29636.719	31.51	54.89	0.6325	35.97
CGR	MaximumDownstreamPressure	75.73	100.00	29531.430	31.75	54.27	0.6325	35.97
RRP	MaximumDownstreamPressure	73.41	100.00	29418.958	31.36	55.43	0.6325	35.97
TLG	MaximumDownstreamPressure	73.40	100.00	29306.330	31.04	55.10	0.6325	35.97
MIR	MaximumDownstreamPressure	78.44	100.00	23910.395	30.33	48.80	0.6325	35.97
PEN	MaximumDownstreamPressure	84.63	100.00	23845.916	31.54	45.89	0.6325	35.97
IAC	MaximumDownstreamPressure	84.24	100.00	23769.890	30.51	43.66	0.6325	35.97
SCA	MaximumDownstreamPressure	82.13	100.00	23181.046	28.52	43.44	0.6325	35.97
ARC	Bypass	81.23	81.23	591.955	22.64	22.64	0.6325	35.97
PLN	MaximumDownstreamPressure	89.39	99.80	10241.547	30.46	39.46	0.6325	35.97
CBO	MaximumDownstreamPressure	82.26	99.80	7661.954	24.94	41.41	0.6325	35.97
SID_mod	MaximumDownstreamPressure	60.60	74.50	2841.500	20.35	36.48	0.6325	35.97
BIG	MaximumDownstreamPressure	55.95	75.00	3239.814	21.06	44.07	0.6325	35.97

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
CBA-B	BankControl	73.47	100.00	14931.442	42.20	66.89	0.6325	35.97
CBA-A	BankControl	73.47	100.00	14931.442	42.20	66.89	0.6325	35.97
MRD-B	BankControl	73.90	100.00	14874.784	31.36	54.96	0.6325	35.97
MRD-A	BankControl	73.90	100.00	14874.784	31.36	54.96	0.6325	35.97
ANT-B	BankControl	74.11	100.00	14818.359	31.51	54.89	0.6325	35.97
ANT-A	BankControl	74.11	100.00	14818.359	31.51	54.89	0.6325	35.97
CGR-D	BankControl	75.73	100.00	7382.857	31.75	54.27	0.6325	35.97
CGR-C	BankControl	75.73	100.00	7382.857	31.75	54.27	0.6325	35.97



CGR-B	BankControl	75.73	100.00	7382.857	31.75	54.27	0.6325	35.97
CGR-A	BankControl	75.73	100.00	7382.857	31.75	54.27	0.6325	35.97
RRP-B	BankControl	73.41	100.00	14709.479	31.36	55.43	0.6325	35.97
RRP-A	BankControl	73.41	100.00	14709.479	31.36	55.43	0.6325	35.97
TLG-A	BankControl	73.40	100.00	14653.165	31.04	55.10	0.6325	35.97
TLG-B	BankControl	73.40	100.00	14653.165	31.04	55.10	0.6325	35.97
MIR-B	BankControl	78.44	100.00	11955.197	30.33	48.80	0.6325	35.97
MIR-A	BankControl	78.44	100.00	11955.197	30.33	48.80	0.6325	35.97
PEN-D	Closed	84.63	100.00	0.000	31.54	45.89	0.6325	35.97
PEN-C	BankControl	84.63	100.00	7948.639	31.54	45.89	0.6325	35.97
PEN-B	BankControl	84.63	100.00	7948.639	31.54	45.89	0.6325	35.97
PEN-A	BankControl	84.63	100.00	7948.639	31.54	45.89	0.6325	35.97
IAC-B	BankControl	84.23	100.00	11884.945	30.51	43.66	0.6325	35.97
IAC-A	BankControl	84.23	100.00	11884.945	30.51	43.66	0.6325	35.97
SCA-B	BankControl	82.13	100.00	11590.523	28.52	43.44	0.6325	35.97
SCA-A	BankControl	82.13	100.00	11590.523	28.52	43.44	0.6325	35.97
ARC_MCD	Closed	91.12	91.12	0.000	22.64	22.64	0.6325	35.97
ARC_MCC	Closed	91.12	91.12	0.000	22.64	22.64	0.6325	35.97
ARC_MCB	Closed	91.12	91.12	0.000	22.64	22.64	0.6325	35.97
ARC_MCA	Closed	91.12	91.12	0.000	22.64	22.64	0.6325	35.97
PLN-A	MinimumSpeed	89.39	99.80	15617.549	30.46	39.46	0.6325	35.97
PLN-B	Closed	89.39	99.80	0.000	30.46	39.46	0.6325	35.97
CBO-C	Closed	82.26	99.80	0.000	24.94	41.41	0.6325	35.97
CBO-B	BankControl	82.26	99.80	3830.977	24.94	41.41	0.6325	35.97
CBO-A	BankControl	82.26	99.80	3830.977	24.94	41.41	0.6325	35.97
SID_MCC	Closed	60.60	74.50	0.000	20.35	36.48	0.6325	35.97
SID_MCB	BankControl	60.60	74.50	1420.750	20.35	36.48	0.6325	35.97
SID_MCA	BankControl	60.60	74.50	1420.750	20.35	36.48	0.6325	35.97
SID_MCD	Closed	60.60	74.50	0.000	20.35	36.48	0.6325	35.97
BIG_MCB	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97
BIG_MCA	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97
BIG_MCC	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97

Accumulated Volume Summary			
Bank Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA	29862.8834	0.0000	24.000
MRD	29749.5675	0.0000	24.000
ANT	29636.7185	0.0000	24.000
CGR	29531.4296	0.0000	24.000
RRP	29418.9584	0.0000	24.000
TLG	29306.3303	0.0000	24.000
MIR	23910.3945	0.0000	24.000

PEN	23845.9165	0.0000	24.000
IAC	23769.8901	0.0000	24.000
SCA	23181.0460	0.0000	24.000
ARC	591.9546	0.0000	24.000
PLN	10241.5469	0.0000	24.000
CBO	7661.9545	0.0000	24.000
SID_mod	2841.5000	0.0000	24.000
BIG	3239.8143	0.0000	24.000

<b>Accumulated Volume Summary</b>			
<b>Member Name</b>	<b>Current Flow Rate</b>	<b>Accumulated Volume</b>	<b>Timer Value</b>
	<b>kSm3/d</b>	<b>KPM3</b>	<b>hours</b>
CBA-B	14931.4417	0.0000	24.000
CBA-A	14931.4417	0.0000	24.000
MRD-B	14874.7838	0.0000	24.000
MRD-A	14874.7838	0.0000	24.000
ANT-B	14818.3593	0.0000	24.000
ANT-A	14818.3593	0.0000	24.000
CGR-D	7382.8574	0.0000	24.000
CGR-C	7382.8574	0.0000	24.000
CGR-B	7382.8574	0.0000	24.000
CGR-A	7382.8574	0.0000	24.000
RRP-B	14709.4790	0.0000	24.000
RRP-A	14709.4793	0.0000	24.000
TLG-A	14653.1652	0.0000	24.000
TLG-B	14653.1652	0.0000	24.000
MIR-B	11955.1973	0.0000	24.000
MIR-A	11955.1973	0.0000	24.000
PEN-D	0.0000	0.0000	24.000
PEN-C	7948.6388	0.0000	24.000
PEN-B	7948.6388	0.0000	24.000
PEN-A	7948.6388	0.0000	24.000
IAC-B	11884.9450	0.0000	24.000
IAC-A	11884.9450	0.0000	24.000
SCA-B	11590.5230	0.0000	24.000
SCA-A	11590.5230	0.0000	24.000
ARC_MCD	0.0000	0.0000	24.000
ARC_MCC	0.0000	0.0000	24.000
ARC_MCB	0.0000	0.0000	24.000
ARC_MCA	0.0000	0.0000	24.000
PLN-A	15617.5488	0.0000	24.000
PLN-B	0.0000	0.0000	24.000
CBO-C	0.0000	0.0000	24.000

CBO-B	3830.9772	0.0000	24.000
CBO-A	3830.9772	0.0000	24.000
SID_MCC	0.0000	0.0000	24.000
SID_MCB	1420.7500	0.0000	24.000
SID_MCA	1420.7500	0.0000	24.000
SID_MCD	0.0000	0.0000	24.000
BIG_MCB	1079.9381	0.0000	24.000
BIG_MCA	1079.9381	0.0000	24.000
BIG_MCC	1079.9381	0.0000	24.000

### Pressure/Flow Violation Reports : 0.000 hours

Xreg Pressure/Flow Violation					
Xreg Name	Node Name	Pressure	Flow	Mode	Violation Status
		kg/cm2g	kSm3/d		
ALL XREGS FALL WITHIN PRESSURE BOUNDS					

Equipment Pressure/Flow Violation							
Equipment Name	Up Node Name	Down Node Name	Up Pressure	Down Pressure	Flow	Mode	Violation Status
			kg/cm2g	kg/cm2g	kSm3/d		
ALL EQUIPMENTS FALL WITHIN PRESSURE BOUNDS							

Bank Pressure/Flow Violation							
Bank Name	Up Node Name	Down Node Name	Up Pressure	Down Pressure	Flow	Mode	Violation Status
			kg/cm2g	kg/cm2g	kSm3/d		
ALL BANKS FALL WITHIN PRESSURE BOUNDS							

Pipe Pressure/Flow Violation							
Pipe Name	Up Node Name	Down Node Name	Distance From Head	Pressure	Flow	Velocity	Violation Status
			km	kg/cm2g	kSm3/d	kSm3/d	
ALL INTERNAL KNOTS FALL WITHIN PRESSURE BOUNDS							

**Setpoint/Constraint Violation Reports : 0.000  
hours**

Xreg Setpoint/Constraint Violation				
Xreg Name	Mode	Setpoint Value	Computed Value	Mode Lock Status
ALL XREGS COMPLY WITH MONITORED CONSTRAINTS				

Equipment Setpoint/Constraint Violation				
Equipment Name	Mode	Setpoint Value	Computed Value	Mode Lock Status
ALL EQUIPMENTS COMPLY WITH MONITORED CONSTRAINTS				

Bank Setpoint/Constraint Violation				
Bank Name	Mode	Setpoint Value	Computed Value	Mode Lock Status
ALL BANKS COMPLY WITH MONITORED CONSTRAINTS				

Device Locked Modes		
Type	Name	Mode
XREG	EMED GASCAR_E	MaximumPressure
BANK	PEN	MaximumDownstreamPressure
BANK	ARC	Bypass
BANK	PLN	MaximumDownstreamPressure
BANK	CBO	MaximumDownstreamPressure