

**GASBOL\_TGS\_C2****Default Initial Values Selected**

Pressure	90.635
Flow	1617.292
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	292.4568188	0.0000000	0.0000000	Flux N11-C0002
1	0.0001000	154.1221194	0.0000000	0.0000000	Flux N11-C0002
2	0.0001000	76.4282490	0.0000000	0.0000000	Flux N11-C0002
3	0.0001000	54.1624574	0.0000000	0.0000000	Flux N09-D0008
4	0.0001000	9.2107148	0.0000000	0.0000000	Flux N09-D0008

**DPMX increased to 9764.86**

5	0.0001000	0.3539215	0.0000000	0.0000000	Flux N09-D0010-PEIAC
6	0.0001000	0.0025348	0.0000000	0.0000000	Node N09-D0010-PEIAC
7	0.0001000	0.0000416	0.0000000	0.0000000	Node S01-L0003-CBO2

8	<b>Compressor CGR-D</b>	<b>FROM: BankControl TO: Closed</b>
8	<b>Compressor MIR-B</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor MIR-A</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor PEN-D</b>	<b>FROM: BankControl TO: Closed</b>
8	<b>Compressor PEN-C</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor PEN-B</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor PEN-A</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor IAC-B</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor IAC-A</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor SCA-B</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor SCA-A</b>	<b>FROM: BankControl TO: MinimumSpeed</b>
8	<b>Compressor ARC_MCD</b>	<b>FROM: BankControl TO: Closed</b>
8	<b>Compressor ARC_MCC</b>	<b>FROM: BankControl TO: Closed</b>

- 8 Compressor ARC\_MCB FROM: BankControl TO: Closed  
 8 Compressor ARC\_MCA FROM: BankControl TO: Closed  
 8 Compressor PLN-A FROM: BankControl TO: Closed  
 8 Compressor CBO-B FROM: BankControl TO: Closed  
 8 Compressor SID\_MCC FROM: BankControl TO: Closed

8	0.0001000	0.0573807	0.0000000	0.0000000	Xreg COM_CBA
---	-----------	-----------	-----------	-----------	-----------------

DPMX increased to 19529.72

9	0.0001000	0.0002635	0.0000000	0.0000000	Node N02- E0002- MRD1
10	0.0001000	0.0000050	0.0000624	0.0000000	TNode S02- E0006
11	0.0001000	2.1989430	0.0000624	0.0000000	Flux N01- A0001

DPMX increased to 39059.44

12	0.0001000	0.0024372	0.0000624	0.0000000	Flux N01- B0002
13	0.0001000	0.0019456	0.0000624	0.0000000	Node N02- E0002- MRD1
14	0.0001000	0.0000016	0.0000624	0.0000000	Node S01- L0003- CBO2

- 15 Compressor MIR-B FROM: MinimumSpeed TO: BankControl  
 15 Compressor MIR-A FROM: MinimumSpeed TO: BankControl

DPMX increased to 48824.28

15	0.0001000	0.0039136	0.0000624	0.0000000	Xreg COM_MRD
16	0.0001000	0.0000013	0.0000739	0.0000000	TNode N05- B0004
17	0.0001000	0.1463475	0.0000739	0.0000000	Flux N08- A0001
18	0.0001000	0.0000139	0.0000765	0.0000000	TNode N07- B0002
19	0.0001000	0.0118773	0.0000765	0.0000000	Flux N08- A0002
20	0.0001000	0.0000002	0.0000765	0.0000000	Node S01- J0001

- 21 Compressor PEN-C FROM: MinimumSpeed TO: BankControl  
 21 Compressor PEN-B FROM: MinimumSpeed TO: BankControl  
 21 Compressor PEN-A FROM: MinimumSpeed TO: BankControl

21	0.0001000	0.0000405	0.0000665	0.0000000	TNode N10- E0004
22	0.0001000	0.0008353	0.0000311	0.0000000	Equip COOL_PEN
23	0.0001000	0.0000804	0.0000005	0.0000000	Flux N09- C0006

**GASBOL\_TGS\_C2 : 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	1100.204	34672.084
Total Output Flow	1100.204	34672.099
Network Flow Balance	0.000	-0.015

**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	80.04	26372.084	26372.084	1156.0409	51.70	45.88
N01-B001	80.04	76.30	26372.084	26372.084	760.6913	45.88	42.30
N02-A001	99.99	98.36	26268.087	26268.087	662.9405	48.00	45.90
N02-B001	98.36	94.59	26268.087	26268.087	1230.4094	45.90	42.03

N02-C001	94.59	90.32	26268.087	26268.087	1340.0038	42.03	38.38
N02-D001	90.32	85.84	26268.087	26268.088	1285.2477	38.38	35.24
N02-E001	85.84	80.66	26268.088	26268.088	1391.9317	35.24	32.28
N03-A001	99.99	96.45	26176.322	26176.322	1175.9848	48.00	44.00
N03-B001	96.45	92.25	26176.322	26176.322	1265.3122	44.00	40.10
N03-C001	92.25	88.15	26176.322	26176.322	1043.6386	40.10	36.94
N03-D001	88.15	84.19	26176.322	26176.323	1275.7438	36.94	34.39
N03-E001	84.19	80.60	26176.323	26176.323	962.7651	34.39	32.39
N04-A001	99.99	97.74	26084.469	26084.469	545.3283	48.00	45.67
N04-A002	97.74	97.29	26084.469	26084.469	391.8185	45.67	44.85
N04-A003	97.29	96.67	26084.469	26084.469	81.2785	44.85	44.33
N04-B001	96.67	92.00	26084.469	26084.469	1340.0140	44.33	40.01
N04-C001	92.00	91.40	26084.469	26084.470	417.5790	40.01	39.39
N04-C002	91.40	89.01	26084.470	26084.470	475.6075	39.39	37.58
N04-C003	89.01	87.54	26084.470	26084.470	583.3423	37.58	36.51
N04-D001	87.54	81.16	26084.470	26084.470	1282.9134	36.51	32.41
N05-A001	99.99	94.32	26007.668	26007.668	1692.0501	48.00	42.04
N05-B001	94.32	92.96	26007.668	26007.668	675.2253	42.04	40.60
N05-B002	92.96	91.03	26007.668	26007.668	352.1604	40.60	39.08
N05-B003	91.03	91.13	26007.668	26007.668	281.4695	39.08	39.04
N05-B004	91.13	89.17	26007.668	26007.668	320.6911	39.04	37.58
N05-C001	89.17	84.47	26007.668	26007.669	1606.2030	37.58	34.43
N05-D001	84.47	80.51	26007.669	26007.669	1268.1314	34.43	32.34
N06-A001	99.99	100.34	25916.936	25916.936	102.4411	48.00	48.04
N06-A002	100.34	95.05	25916.936	25916.936	1331.2900	48.04	42.73
N06-B001	95.05	94.35	25916.936	25916.936	594.6047	42.73	41.70
N06-B002	94.35	90.77	25916.936	25916.937	1034.8125	41.70	38.63
N06-C001	90.77	87.51	25916.937	25916.937	1167.5676	38.63	36.18
N06-D001	87.51	83.91	25916.937	25916.937	913.0404	36.18	33.84
N06-E001	83.91	80.35	25916.937	25916.938	1088.3235	33.84	32.00
N07-A001	99.99	96.01	25822.758	25822.758	1451.5347	48.00	43.30
N07-B001	96.01	93.64	25822.758	25822.758	582.1615	43.30	41.16
N07-B002	93.64	92.04	25822.758	25822.758	619.9441	41.16	39.48
N07-C001	92.04	91.39	21917.758	21917.758	591.6128	39.48	38.21
N07-C002	91.39	88.67	21917.758	21917.758	1006.6198	38.21	35.30
N07-D001	88.67	85.61	21917.758	21917.759	1059.8557	35.30	32.59
N07-E001	85.61	82.96	21917.759	21917.760	996.9779	32.59	30.62
N08-A001	100.00	97.14	21842.115	21842.115	1582.1714	44.77	39.86
N08-B001	97.14	94.79	21842.115	21842.116	1218.6134	39.86	36.76
N08-B002	94.79	93.24	21842.116	21842.116	395.1996	36.76	35.37
N08-C001	93.24	92.23	21842.116	21842.116	844.4864	35.37	34.11
N08-C002	92.23	90.56	21842.116	21842.116	497.3604	34.11	32.74
N08-D001	90.56	90.05	21842.116	21842.116	511.8356	32.74	32.24
N08-D002	90.05	89.65	21842.116	21842.116	52.7347	32.24	31.94
N08-D003	89.65	87.49	21842.116	21842.117	903.3721	31.94	30.39
N10-A001							

	100.00	100.15	21715.508	21715.508	208.1675	39.94	39.71
N10-A002	100.15	98.68	21715.508	21715.508	273.9165	39.71	38.41
N10-A003	98.68	98.01	21715.508	21715.508	663.8480	38.41	37.17
N10-B001	97.22	94.82	21715.508	21715.508	1337.2369	36.36	33.77
N10-C001	94.82	94.63	21715.508	21715.508	205.0090	33.77	33.54
N10-C002	94.63	92.79	21715.508	21715.508	284.5141	33.54	32.22
N10-C003	92.79	92.07	21715.508	21715.508	318.4069	32.22	31.65
N10-C004	92.07	91.25	21715.508	21715.508	274.4146	31.65	31.06
N10-C005	91.25	91.83	21715.508	21715.509	221.1053	31.06	31.42
N10-C006	91.83	91.49	21715.509	21715.509	30.8575	31.42	31.19
N10-D001	91.49	86.61	21205.509	21205.509	1559.0396	31.19	28.04
N10-E001	86.61	87.14	21205.509	21205.509	109.6421	28.04	28.49
N10-E002	87.14	86.00	21205.509	21205.509	133.1541	28.49	27.80
N10-E003	86.00	87.10	21205.509	21205.509	109.4563	27.80	28.65
N10-E004	87.10	85.01	21205.509	21205.509	338.5643	28.65	27.46
N11-A001	100.00	98.56	21134.700	21134.700	400.0142	39.79	38.41
N11-A002	98.56	98.55	21134.700	21134.700	101.8099	38.41	38.29
N11-A003	98.55	99.30	20144.700	20144.700	238.6871	38.29	38.47
N11-A004	99.30	97.22	20144.700	20144.700	714.1812	38.47	36.41
N11-B001	97.22	96.40	20144.700	20144.700	154.3009	36.41	35.76
N11-B002	96.40	98.23	20144.700	20144.700	219.0176	35.76	36.74
N11-B003	98.23	97.49	20144.700	20144.700	646.6723	36.74	35.73
N11-B004	97.49	96.79	20144.700	20144.700	207.2399	35.73	35.14
N11-C001	96.79	97.05	20144.700	20144.700	67.9183	35.14	35.23
N11-C002	97.05	96.77	20144.700	20144.700	12.5579	35.23	35.04
N11-C003	96.77	96.31	20144.700	20144.700	626.5436	35.04	34.18
N11-C004	96.31	93.87	18830.700	18830.700	511.3224	34.18	32.19
N11-C005	93.87	94.45	18830.700	18830.700	280.8323	32.19	32.38
N11-D001	94.45	94.41	18830.700	18830.700	206.6304	32.38	32.22
N11-D002	94.41	94.87	17030.700	17030.700	156.3711	32.22	32.38
N11-D003	94.87	93.58	17030.700	17030.700	288.6849	32.38	31.33
N11-D004	93.58	93.26	17030.700	17030.701	590.5326	31.33	30.76
N11-E001	93.26	93.37	17030.701	17030.701	126.6775	30.76	30.75
N11-E002	93.37	93.62	15230.701	15230.701	248.6261	30.75	30.73
N11-E003	93.62	92.56	15230.701	15230.701	286.6322	30.73	29.86
N11-E004	92.56	92.14	15230.701	15230.701	424.9322	29.86	29.38
S01-A002	91.73	91.14	8230.701	8230.701	250.6155	28.97	28.35
S01-B001	91.14	90.76	8230.701	8230.701	149.1133	28.35	28.00
S01-B002	90.76	90.11	8230.701	8230.701	129.9823	28.00	27.52
S01-C001	90.11	89.67	8230.701	8230.701	230.2101	27.52	27.21
S01-C002	89.67	89.92	7313.201	7313.201	72.5077	27.21	27.36
S01-D001	89.92	88.55	7313.201	7313.202	402.1999	27.36	26.44
S01-E002	88.55	88.15	6880.702	6880.702	538.7139	25.95	26.04
S01-F001	88.15	87.10	6880.702	6880.702	458.2466	26.04	25.67
S01-G001	86.49	86.74	6880.702	6880.702	133.7048	24.77	25.14
S01-C003							

	86.74	85.36	6880.702	6880.702	406.8861	25.14	24.81
S01-H001	85.36	84.75	6670.702	6670.703	610.1881	24.81	25.28
S01-I001	84.75	84.68	6670.703	6670.703	74.1945	25.28	25.33
S01-I002	84.68	83.57	6670.703	6670.703	77.5189	25.33	24.66
S01-I003	83.57	83.21	6670.703	6670.703	467.8460	24.66	25.20
S01-J001	83.21	83.11	5680.703	5680.703	162.5198	25.20	25.34
S01-J002	83.11	81.44	5680.703	5680.703	430.5370	25.34	24.80
S01-J003	81.44	81.59	5680.703	5680.704	236.2628	24.80	25.29
S01-K001	81.59	82.06	5680.704	5680.704	260.7009	25.29	25.90
S01-K002	82.06	80.71	5680.704	5680.704	529.5682	25.90	25.42
S02-A001	99.73	97.31	5661.618	5661.618	619.8103	42.12	32.71
S02-B001	97.31	97.91	5661.618	5661.618	72.2192	32.71	32.53
S02-B002	97.91	96.64	5661.618	5661.618	82.5155	32.53	31.16
S02-B003	96.64	97.86	5661.618	5661.618	262.9775	31.16	30.39
S02-B004	97.86	96.03	5661.618	5661.618	120.5291	30.39	28.70
S02-B005	96.03	96.25	5661.618	5661.618	155.6079	28.70	28.26
S02-C001	96.25	97.05	5661.618	5661.618	222.1316	28.26	28.01
S02-C002	97.05	95.23	5661.618	5661.618	118.4842	28.01	26.58
S02-C003	95.23	95.86	5661.618	5661.618	31.6342	26.58	26.91
S02-C004	95.86	94.52	5661.618	5661.618	84.5736	26.91	25.92
S02-C005	94.52	95.01	5661.618	5661.618	160.0357	25.92	25.99
S02-D001	95.01	95.12	5661.618	5661.618	902.9088	25.99	25.14
S02-E002	98.18	96.29	5661.618	5661.618	96.2017	26.02	24.80
S02-E003	96.29	97.04	5661.618	5661.618	55.4852	24.80	25.22
S02-E004	97.04	94.56	5661.618	5661.618	284.4980	25.22	23.69
S02-E005	94.56	96.54	5661.618	5661.618	45.3288	23.69	24.92
S02-E006	96.54	95.45	5661.618	5661.618	173.2676	24.92	24.22
S02-G001	95.21	97.22	5661.618	5661.618	327.7890	22.45	23.98
S02-G002	97.22	93.99	5661.618	5661.618	313.9375	23.98	22.34
S02-G003	93.99	95.54	5661.618	5661.618	25.5828	22.34	23.34
S02-G004	95.54	93.92	5661.618	5661.618	64.2164	23.34	22.42
S02-G005	93.92	92.26	5661.618	5661.618	254.1799	22.42	21.88
S02-H001	92.26	94.37	5661.618	5661.618	112.1885	21.88	23.37
S02-H002	94.37	91.03	5661.618	5661.618	433.5092	23.37	21.97
S02-H003	91.03	92.06	5661.618	5661.618	264.4124	21.97	23.07
S02-H004	92.06	90.92	5661.618	5661.618	134.6841	23.07	22.53
S02-I001	90.92	89.31	5661.618	5661.618	360.4137	22.53	22.17
S02-I002	89.31	89.38	5661.618	5661.618	279.2894	22.17	22.74
S02-J001	89.38	89.14	5661.618	5661.618	550.7026	22.74	23.31
S02-J002	89.14	89.14	5661.618	5661.618	58.5748	23.31	23.37
S03-A001	66.50	66.44	591.618	591.618	11.5772	13.21	14.58
S03-A002	66.44	66.75	591.618	591.618	117.2944	14.58	20.18
S03-A003	66.75	66.56	591.618	591.618	57.8643	20.18	20.60
S03-B001	66.56	66.45	591.618	591.618	392.4683	20.60	20.99
S03-C001	66.45	66.44	591.618	591.618	150.3129	20.99	21.00
S03-C002							

	66.44	66.98	591.618	591.618	130.5391	21.00	21.18
S03-D001	66.98	71.79	591.618	591.618	382.9806	21.18	21.63
S03-E001	71.79	69.46	5591.618	5591.618	387.8734	20.17	19.99
S03-F001	69.46	68.83	5591.618	5591.618	42.7168	19.99	19.67
S03-F002	68.83	67.43	5591.618	5591.618	272.3412	19.67	19.97
S03-F003	67.43	66.27	5591.618	5591.618	129.4182	19.97	19.71
S03-F004	66.27	66.26	5591.618	5591.618	24.6810	19.71	19.86
S03-G001	66.26	62.49	4928.118	4928.118	328.5630	19.86	18.78
S03-G002	62.49	63.19	4928.118	4928.118	24.0489	18.78	19.66
S03-H001	63.19	62.61	4928.118	4928.118	8.4002	19.66	19.15
S03-H002	62.61	62.88	4928.118	4928.118	128.5958	19.15	20.30
S03-H003	62.88	60.04	4928.118	4928.118	120.8841	20.30	18.47
S03-H004	60.04	61.01	4928.118	4928.118	68.4612	18.47	20.04
S03-H005	61.01	59.80	4928.118	4928.118	19.6781	20.04	18.98
S03-H006	59.80	61.22	4928.118	4928.118	82.5568	18.98	20.98
S03-I001	61.22	61.20	3938.118	3938.118	12.1973	20.98	21.00
S03-I002	61.20	59.56	3938.118	3938.118	126.8694	21.00	19.93
S03-I003	59.56	59.95	3938.118	3938.118	97.8747	19.93	20.81
S03-J001	59.95	59.83	3938.118	3938.118	68.4566	20.81	20.91
S03-J002	59.83	59.33	3683.118	3683.118	100.1696	20.91	20.71
S03-L001	59.33	56.89	3683.118	3683.118	88.2794	20.71	18.82
S03-L002	56.89	58.53	3683.118	3683.118	77.6333	18.82	21.07
S03-L003	58.53	57.04	3683.118	3683.118	17.4413	21.07	19.58
S03-L004	57.04	58.32	3683.118	3683.118	21.5991	19.58	21.06
S03-L005	58.32	57.61	3683.118	3683.118	54.8061	21.06	20.50
S03-L006	57.61	57.97	3683.118	3683.118	98.2754	20.50	21.21
S03-M001	57.97	56.27	3250.618	3250.618	252.2465	21.21	20.31
S03-M002	56.27	56.82	3250.618	3250.618	82.7023	20.31	21.19
S03-M003	56.82	56.67	3250.618	3250.618	24.8955	21.19	21.07
S04-A001	75.00	73.07	3239.814	3239.814	136.6640	43.06	32.62
S04-A002	73.07	72.16	3239.814	3239.814	42.5114	32.62	30.18
S04-A003	72.16	73.49	3239.814	3239.814	107.4804	30.18	28.16
S04-A004	73.49	70.31	3239.814	3239.814	62.4768	28.16	24.37
S04-A005	70.31	72.21	3239.814	3239.814	36.7276	24.37	25.52
S04-B001	72.21	69.28	3239.814	3239.814	35.5318	25.52	22.69
S04-B002	69.28	69.58	3239.814	3239.814	58.2213	22.69	22.72
S04-B003	69.58	67.97	3239.814	3239.814	21.1516	22.72	21.27
S04-B004	67.97	70.11	3239.814	3239.814	78.2380	21.27	22.99
S04-B005	70.11	67.61	3239.814	3239.814	72.9611	22.99	20.77
S04-B006	67.61	68.81	3239.814	3239.814	18.2049	20.77	21.87
S04-B007	68.81	67.25	3239.814	3239.814	23.4524	21.87	20.54
S04-B008	67.25	68.22	3239.814	3239.814	33.9310	20.54	21.49
S04-B009	68.22	66.36	3239.814	3239.814	20.2027	21.49	19.89
S04-B010	66.36	66.86	3239.814	3239.814	4.1849	19.89	20.37
S04-C001	66.86	67.78	3239.814	3239.814	42.4251	20.37	21.35
S04-C002							



	67.78	66.70	3239.814	3239.814	29.1050	21.35	20.48
S04-C003	66.70	67.68	3239.814	3239.814	79.3328	20.48	21.58
S04-C004	67.68	66.11	3239.814	3239.814	113.0776	21.58	20.51
S04-C005	66.11	67.27	3239.814	3239.814	117.9422	20.51	21.83
S04-D001	67.27	67.28	3239.814	3239.814	146.5997	21.83	21.79
S04-D002	67.28	65.92	3239.814	3239.814	53.9601	21.79	20.68
S04-D003	65.92	66.57	3239.814	3239.814	100.5675	20.68	21.54
S04-E001	66.57	65.38	3239.814	3239.814	17.5025	21.54	20.50
S04-E002	65.38	66.48	3239.814	3239.814	17.9887	20.50	21.58
S04-E003	66.48	65.24	3239.814	3239.814	33.1855	21.58	20.54
S04-E004	65.24	66.23	3239.814	3239.814	18.8350	20.54	21.52
S04-E005	66.23	64.45	3239.814	3239.814	90.6865	21.52	20.24
S04-E006	64.45	65.10	3239.814	3239.814	81.4644	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	50.2378	21.19	19.13
S04-F002	62.47	63.10	3239.814	3239.814	23.2913	19.13	19.98
S04-F003	63.10	62.05	3239.814	3239.814	25.0889	19.98	19.23
S04-G001	62.05	62.55	3239.814	3239.814	99.9988	19.23	20.59
S04-G002	62.55	60.84	3239.814	3239.814	54.0221	20.59	19.39
S04-G003	60.84	62.81	3239.814	3239.814	51.7423	19.39	21.65
S04-H001	62.81	62.04	3239.814	3239.814	43.3245	21.65	21.01
S04-H002	62.04	60.50	2846.314	2846.314	92.7128	21.01	20.07
S04-H003	60.50	61.16	2846.314	2846.314	17.6962	20.07	20.84
S04-H004	61.16	60.60	2846.314	2846.314	13.7232	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	24.3176	35.15	32.64
S05-A003	73.74	74.70	2841.500	2841.500	63.8441	32.64	30.14
S05-A004	74.70	73.82	2409.000	2409.000	165.1042	30.14	24.21
S05-B001	73.82	72.14	2409.000	2409.000	77.2800	24.21	22.10
S05-B002	72.14	72.17	2409.000	2409.000	114.9221	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	115.3399	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	141.2583	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	29.2914	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	136.2870	22.40	22.71
P01-A002	74.93	74.26	7000.000	7000.000	84.4180	22.71	22.40
P01-B001	74.26	74.39	7000.000	7000.000	51.9758	22.40	22.64
P01-B002	74.39	73.18	7000.000	7000.000	202.3991	22.64	22.24
P01-B003	73.18	72.60	7000.000	7000.000	79.9628	22.24	22.02
P01-C001	72.60	73.14	7000.000	7000.000	38.0241	22.02	22.59
P01-C002	73.14	71.89	7000.000	7000.000	247.7803	22.59	22.29
P01-D001	71.89	71.95	7000.000	7000.000	23.9037	22.29	22.41
P01-D002	71.95	70.28	7000.000	7000.000	291.9513	22.41	22.01
P01-E001	70.28	69.06	7000.000	7000.000	472.4948	22.01	22.56
P01-F001	69.06	68.16	7000.000	7000.000	313.6599	22.56	22.79
P01-G001	68.16	67.86	7000.000	7000.000	95.2523	22.79	22.81
P01-G002	67.86	65.87	7000.000	7000.000	172.8240	22.81	21.68
P01-G003	65.87	66.51	7000.000	7000.000	33.1233	21.68	22.42
P01-H001	66.51	66.41	7000.000	7000.000	133.8964	22.42	22.80
P01-H002	66.41	65.12	7000.000	7000.000	79.3635	22.80	21.91
P01-H003	65.12	66.24	7000.000	7000.000	247.2654	21.91	23.77
P01-H004	66.24	65.33	7000.000	7000.000	41.2819	23.77	23.03
P01-I001	65.33	64.91	7000.000	7000.000	91.4174	23.03	22.95
P01-I002	64.91	64.56	7000.000	7000.000	267.5899	22.95	23.45
P01-J001	64.56	64.25	7000.000	7000.000	31.4590	23.45	23.25
P01-J002	64.25	64.46	7000.000	7000.000	153.2281	23.25	23.85
P01-J003	64.46	64.21	7000.000	7000.000	28.6562	23.85	23.68
P01-L001	64.21	63.32	7000.000	7000.000	125.9652	23.68	23.20
S01-F002	87.10	86.49	6880.702	6880.702	166.0311	25.67	24.77
S01-A001	91.82	91.73	8230.701	8230.701	58.7618	29.32	28.97
N10-A004	98.01	97.22	21715.508	21715.508	293.7848	37.17	36.36
S01-E001	88.55	88.50	7313.202	7313.202	131.2063	26.44	25.95
S02-E001	95.12	98.18	5661.618	5661.618	269.6840	25.14	26.02
S02-F002							

	94.96	97.11	5661.618	5661.618	73.7047	22.46	23.67
S02-F001	95.45	96.61	5661.618	5661.618	70.2014	24.22	24.74
S02-F002	96.61	93.27	5661.618	5661.618	268.8571	24.74	22.21
S02-F003	93.27	95.91	5661.618	5661.618	275.7451	22.21	23.47
S02-F004	95.91	94.50	5661.618	5661.618	106.4607	23.47	22.47
S02-F005	94.50	95.98	5661.618	5661.618	113.5852	22.47	23.22
S02-F006	95.98	94.31	5661.618	5661.618	53.6296	23.22	22.14
S02-F007	94.31	94.96	5661.618	5661.618	88.8209	22.14	22.46
S02-F009	97.11	95.21	5661.618	5661.618	43.9456	23.67	22.45
N09_A001	100.00	100.25	21788.694	21788.694	125.9277	41.78	41.70
N09_A002	100.25	98.60	21788.694	21788.694	368.5474	41.70	40.03
N09_A003	98.60	98.37	21788.694	21788.694	631.5710	40.03	38.94
N09_A004	98.37	97.84	21788.694	21788.694	83.8369	38.94	38.49
N09_A005	97.84	97.85	21788.694	21788.694	111.1611	38.49	38.35
N09_B001	97.84	97.79	21788.694	21788.694	135.8314	38.35	38.14
N09_B002	97.79	96.74	21788.694	21788.694	223.8444	38.14	37.20
N09_B003	96.74	97.13	21788.694	21788.694	103.1580	37.20	37.33
N09_B004	97.13	96.44	21788.694	21788.694	125.7976	37.33	36.75
N09_B005	96.44	96.46	21788.694	21788.694	200.6753	36.75	36.56
N09_B006	96.46	95.02	21788.694	21788.694	344.9868	36.56	35.31
N09_B007	95.02	94.44	21788.694	21788.694	445.0023	35.31	34.60
N09_C001	94.44	94.38	21788.694	21788.694	296.1650	34.60	34.37
N09_C002	94.38	92.29	21788.694	21788.695	479.3869	34.37	32.75
N09_C003	92.29	92.44	21788.695	21788.695	281.1275	32.75	32.75
N09_C004	92.44	91.44	21788.695	21788.695	131.3697	32.75	32.04
N09_C005	91.44	90.25	21788.695	21788.695	837.4083	32.04	31.11
N09_D001	90.25	90.24	21788.696	21788.696	149.7083	31.11	31.09
N09_D002	90.24	89.46	21788.696	21788.696	81.3957	31.09	30.55
N09_D003	89.46	89.74	21788.696	21788.696	248.1907	30.55	30.74
N09_D004	89.74	88.70	21788.696	21788.696	175.0806	30.74	30.04
N09_D005	88.70	89.02	21788.696	21788.696	93.3324	30.04	30.27
N09_D006	89.02	87.87	21788.696	21788.696	183.2338	30.27	29.51
N09_D007	87.87	88.31	21788.696	21788.696	143.0970	29.51	29.84
N09_D008	88.31	87.32	21788.696	21788.696	135.2192	29.84	29.18
N09_D009	87.32	87.29	21788.696	21788.696	131.5936	29.18	29.21

### 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
S02-K001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000

	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
S05-F003						

	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
S02-K001						

	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-E004						

	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
S04-F003						



	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
S02-K001						

	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-E004						

	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
S04-F003						

	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
S02-K001						

	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-E004						

	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-F003						

	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
S02-K001				

	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-H003	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
P01-F003				

	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	51.62	28.00
	Tail	45.88	45.88	45.82	28.00
N01-B001	Head	45.88	45.88	45.82	28.00
	Tail	42.30	42.30	42.25	28.00
N02-A001	Head	48.00	48.00	47.93	28.00
	Tail	45.90	45.90	45.84	28.00
N02-B001	Head	45.90	45.90	45.84	28.00
	Tail	42.03	42.03	41.98	28.00
N02-C001	Head	42.03	42.03	41.98	28.00
	Tail	38.38	38.38	38.34	28.00
N02-D001	Head	38.38	38.38	38.34	28.00
	Tail	35.24	35.24	35.21	28.00
N02-E001	Head	35.24	35.24	35.21	28.00
	Tail	32.28	32.28	32.26	28.00
N03-A001	Head	48.00	48.00	47.93	28.00
	Tail	44.00	44.00	43.94	28.00
N03-B001	Head	44.00	44.00	43.94	28.00
	Tail	40.10	40.10	40.06	28.00
N03-C001	Head	40.10	40.10	40.06	28.00
	Tail	36.94	36.94	36.91	28.00
N03-D001	Head	36.94	36.94	36.91	28.00
	Tail	34.39	34.39	34.37	28.00
N03-E001	Head	34.39	34.39	34.37	28.00
	Tail	32.39	32.39	32.38	28.00
N04-A001	Head	48.00	48.00	47.93	28.00
	Tail	45.67	45.67	45.61	28.00
N04-A002	Head	45.67	45.67	45.61	28.00
	Tail	44.85	44.85	44.79	28.00
N04-A003	Head	44.85	44.85	44.79	28.00
	Tail	44.33	44.33	44.28	28.00
N04-B001	Head	44.33	44.33	44.28	28.00
	Tail	40.01	40.01	39.97	28.00
N04-C001	Head	40.01	40.01	39.97	28.00
	Tail	39.39	39.39	39.35	28.00
N04-C002	Head	39.39	39.39	39.35	28.00
	Tail	37.58	37.58	37.55	28.00
N04-C003	Head	37.58	37.58	37.55	28.00
	Tail	36.51	36.51	36.48	28.00
N04-D001	Head	36.51	36.51	36.48	28.00

	Tail	32.41	32.41	32.40	28.00
N05-A001	Head	48.00	48.00	47.93	28.00
	Tail	42.04	42.04	41.99	28.00
N05-B001	Head	42.04	42.04	41.99	28.00
	Tail	40.60	40.60	40.55	28.00
N05-B002	Head	40.60	40.60	40.55	28.00
	Tail	39.08	39.08	39.05	28.00
N05-B003	Head	39.08	39.08	39.05	28.00
	Tail	39.04	39.04	39.00	28.00
N05-B004	Head	39.04	39.04	39.00	28.00
	Tail	37.58	37.58	37.55	28.00
N05-C001	Head	37.58	37.58	37.55	28.00
	Tail	34.43	34.43	34.41	28.00
N05-D001	Head	34.43	34.43	34.41	28.00
	Tail	32.34	32.34	32.33	28.00
N06-A001	Head	48.00	48.00	47.93	28.00
	Tail	48.04	48.04	47.97	28.00
N06-A002	Head	48.04	48.04	47.97	28.00
	Tail	42.73	42.73	42.68	28.00
N06-B001	Head	42.73	42.73	42.68	28.00
	Tail	41.70	41.70	41.65	28.00
N06-B002	Head	41.70	41.70	41.65	28.00
	Tail	38.63	38.63	38.60	28.00
N06-C001	Head	38.63	38.63	38.60	28.00
	Tail	36.18	36.18	36.15	28.00
N06-D001	Head	36.18	36.18	36.15	28.00
	Tail	33.84	33.84	33.82	28.00
N06-E001	Head	33.84	33.84	33.82	28.00
	Tail	32.00	32.00	31.98	28.00
N07-A001	Head	48.00	48.00	47.93	28.00
	Tail	43.30	43.30	43.24	28.00
N07-B001	Head	43.30	43.30	43.24	28.00
	Tail	41.16	41.16	41.11	28.00
N07-B002	Head	41.16	41.16	41.10	26.00
	Tail	39.48	39.48	39.44	26.00
N07-C001	Head	39.48	39.48	39.43	26.00
	Tail	38.21	38.21	38.16	26.00
N07-C002	Head	38.21	38.21	38.16	26.00
	Tail	35.30	35.30	35.27	26.00
N07-D001	Head	35.30	35.30	35.27	26.00
	Tail	32.59	32.59	32.56	26.00
N07-E001	Head	32.59	32.59	32.56	26.00
	Tail	30.62	30.62	30.60	26.00
N08-A001	Head	44.77	44.77	44.70	26.00
	Tail	39.86	39.86	39.81	26.00



N08-B001	Head	39.86	39.86	39.81	26.00
	Tail	36.76	36.76	36.72	26.00
N08-B002	Head	36.76	36.76	36.72	26.00
	Tail	35.37	35.37	35.34	26.00
N08-C001	Head	35.37	35.37	35.34	26.00
	Tail	34.11	34.11	34.07	26.00
N08-C002	Head	34.11	34.11	34.07	26.00
	Tail	32.74	32.74	32.71	26.00
N08-D001	Head	32.74	32.74	32.71	26.00
	Tail	32.24	32.24	32.21	26.00
N08-D002	Head	32.24	32.24	32.21	26.00
	Tail	31.94	31.94	31.92	26.00
N08-D003	Head	31.94	31.94	31.92	26.00
	Tail	30.39	30.39	30.37	26.00
N10-A001	Head	39.94	39.94	39.89	26.00
	Tail	39.71	39.71	39.66	26.00
N10-A002	Head	39.71	39.71	39.66	26.00
	Tail	38.41	38.41	38.36	26.00
N10-A003	Head	38.41	38.41	38.36	26.00
	Tail	37.17	37.17	37.12	26.00
N10-B001	Head	36.36	36.36	36.32	26.00
	Tail	33.77	33.77	33.74	26.00
N10-C001	Head	33.77	33.77	33.74	26.00
	Tail	33.54	33.54	33.51	26.00
N10-C002	Head	33.54	33.54	33.51	26.00
	Tail	32.22	32.22	32.19	26.00
N10-C003	Head	32.22	32.22	32.19	26.00
	Tail	31.65	31.65	31.63	26.00
N10-C004	Head	31.65	31.65	31.63	26.00
	Tail	31.06	31.06	31.04	26.00
N10-C005	Head	31.06	31.06	31.04	26.00
	Tail	31.42	31.42	31.40	26.00
N10-C006	Head	31.42	31.42	31.40	26.00
	Tail	31.19	31.19	31.17	26.00
N10-D001	Head	31.19	31.19	31.17	26.00
	Tail	28.04	28.04	28.03	26.00
N10-E001	Head	28.04	28.04	28.04	28.00
	Tail	28.49	28.49	28.49	28.00
N10-E002	Head	28.49	28.49	28.49	28.00
	Tail	27.80	27.80	27.80	28.00
N10-E003	Head	27.80	27.80	27.80	28.00
	Tail	28.65	28.65	28.65	28.00
N10-E004	Head	28.65	28.65	28.65	28.00
	Tail	27.46	27.46	27.46	28.00
N11-A001	Head	39.79	39.79	39.74	28.00

	Tail	38.41	38.41	38.37	28.00
N11-A002	Head	38.41	38.41	38.37	28.00
	Tail	38.29	38.29	38.25	28.00
N11-A003	Head	38.29	38.29	38.25	28.00
	Tail	38.47	38.47	38.43	28.00
N11-A004	Head	38.47	38.47	38.43	28.00
	Tail	36.41	36.41	36.38	28.00
N11-B001	Head	36.41	36.41	36.38	28.00
	Tail	35.76	35.76	35.73	28.00
N11-B002	Head	35.76	35.76	35.73	28.00
	Tail	36.74	36.74	36.71	28.00
N11-B003	Head	36.74	36.74	36.71	28.00
	Tail	35.73	35.73	35.70	28.00
N11-B004	Head	35.73	35.73	35.70	28.00
	Tail	35.14	35.14	35.11	28.00
N11-C001	Head	35.14	35.14	35.10	26.00
	Tail	35.23	35.23	35.19	26.00
N11-C002	Head	35.23	35.23	35.19	26.00
	Tail	35.04	35.04	35.00	26.00
N11-C003	Head	35.04	35.04	35.00	26.00
	Tail	34.18	34.18	34.14	26.00
N11-C004	Head	34.18	34.18	34.14	26.00
	Tail	32.19	32.19	32.16	26.00
N11-C005	Head	32.19	32.19	32.16	26.00
	Tail	32.38	32.38	32.36	26.00
N11-D001	Head	32.38	32.38	32.36	26.00
	Tail	32.22	32.22	32.20	26.00
N11-D002	Head	32.22	32.22	32.19	26.00
	Tail	32.38	32.38	32.35	26.00
N11-D003	Head	32.38	32.38	32.35	26.00
	Tail	31.33	31.33	31.30	26.00
N11-D004	Head	31.33	31.33	31.30	26.00
	Tail	30.76	30.76	30.74	26.00
N11-E001	Head	30.76	30.76	30.74	26.00
	Tail	30.75	30.75	30.73	26.00
N11-E002	Head	30.75	30.75	30.73	26.00
	Tail	30.73	30.73	30.71	26.00
N11-E003	Head	30.73	30.73	30.71	26.00
	Tail	29.86	29.86	29.84	26.00
N11-E004	Head	29.86	29.86	29.84	26.00
	Tail	29.38	29.38	29.36	26.00
S01-A002	Head	28.97	28.97	28.96	26.00
	Tail	28.35	28.35	28.33	26.00
S01-B001	Head	28.35	28.35	28.33	26.00
	Tail	28.00	28.00	27.99	26.00

S01-B002	Head	28.00	28.00	27.99	26.00
	Tail	27.52	27.52	27.51	26.00
S01-C001	Head	27.52	27.52	27.51	26.00
	Tail	27.21	27.21	27.21	26.00
S01-C002	Head	27.21	27.21	27.21	26.00
	Tail	27.36	27.36	27.35	26.00
S01-D001	Head	27.36	27.36	27.35	26.00
	Tail	26.44	26.44	26.43	26.00
S01-E002	Head	25.95	25.95	25.95	26.00
	Tail	26.04	26.04	26.04	26.00
S01-F001	Head	26.04	26.04	26.04	26.00
	Tail	25.67	25.67	25.68	26.00
S01-G001	Head	24.77	24.77	24.78	26.00
	Tail	25.14	25.14	25.15	26.00
S01-G002	Head	25.14	25.14	25.15	26.00
	Tail	24.81	24.81	24.82	26.00
S01-H001	Head	24.81	24.81	24.82	26.00
	Tail	25.28	25.28	25.28	26.00
S01-I001	Head	25.28	25.28	25.28	26.00
	Tail	25.33	25.33	25.34	26.00
S01-I002	Head	25.33	25.33	25.34	26.00
	Tail	24.66	24.66	24.67	26.00
S01-I003	Head	24.66	24.66	24.67	26.00
	Tail	25.20	25.20	25.20	26.00
S01-J001	Head	25.20	25.20	25.20	26.00
	Tail	25.34	25.34	25.34	26.00
S01-J002	Head	25.34	25.34	25.34	26.00
	Tail	24.80	24.80	24.81	26.00
S01-J003	Head	24.80	24.80	24.81	26.00
	Tail	25.29	25.29	25.30	26.00
S01-K001	Head	25.29	25.29	25.30	26.00
	Tail	25.90	25.90	25.90	26.00
S01-K002	Head	25.90	25.90	25.90	26.00
	Tail	25.42	25.42	25.42	26.00
S02-A001	Head	42.12	42.12	41.99	24.00
	Tail	32.71	32.71	32.65	24.00
S02-B001	Head	32.71	32.71	32.64	24.00
	Tail	32.53	32.53	32.46	24.00
S02-B002	Head	32.53	32.53	32.46	24.00
	Tail	31.16	31.16	31.11	24.00
S02-B003	Head	31.16	31.16	31.11	24.00
	Tail	30.39	30.39	30.34	24.00
S02-B004	Head	30.39	30.39	30.34	24.00
	Tail	28.70	28.70	28.67	24.00
S02-B005	Head	28.70	28.70	28.67	24.00

	Tail	28.26	28.26	28.23	24.00
S02-C001	Head	28.26	28.26	28.23	24.00
	Tail	28.01	28.01	27.98	24.00
S02-C002	Head	28.01	28.01	27.98	24.00
	Tail	26.58	26.58	26.56	24.00
S02-C003	Head	26.58	26.58	26.56	24.00
	Tail	26.91	26.91	26.88	24.00
S02-C004	Head	26.91	26.91	26.88	24.00
	Tail	25.92	25.92	25.91	24.00
S02-C005	Head	25.92	25.92	25.91	24.00
	Tail	25.99	25.99	25.98	24.00
S02-D001	Head	25.99	25.99	25.98	24.00
	Tail	25.14	25.14	25.13	24.00
S02-E002	Head	26.02	26.02	26.00	24.00
	Tail	24.80	24.80	24.79	24.00
S02-E003	Head	24.80	24.80	24.79	24.00
	Tail	25.22	25.22	25.22	24.00
S02-E004	Head	25.22	25.22	25.22	24.00
	Tail	23.69	23.69	23.70	24.00
S02-E005	Head	23.69	23.69	23.70	24.00
	Tail	24.92	24.92	24.91	24.00
S02-E006	Head	24.92	24.92	24.91	24.00
	Tail	24.22	24.22	24.22	24.00
S02-G001	Head	22.45	22.45	22.46	24.00
	Tail	23.98	23.98	23.98	24.00
S02-G002	Head	23.98	23.98	23.98	24.00
	Tail	22.34	22.34	22.35	24.00
S02-G003	Head	22.34	22.34	22.35	24.00
	Tail	23.34	23.34	23.34	24.00
S02-G004	Head	23.34	23.34	23.34	24.00
	Tail	22.42	22.42	22.43	24.00
S02-G005	Head	22.42	22.42	22.43	24.00
	Tail	21.88	21.88	21.89	24.00
S02-H001	Head	21.88	21.88	21.89	24.00
	Tail	23.37	23.37	23.38	24.00
S02-H002	Head	23.37	23.37	23.38	24.00
	Tail	21.97	21.97	21.98	24.00
S02-H003	Head	21.97	21.97	21.98	24.00
	Tail	23.07	23.07	23.08	24.00
S02-H004	Head	23.07	23.07	23.08	24.00
	Tail	22.53	22.53	22.54	24.00
S02-I001	Head	22.53	22.53	22.54	24.00
	Tail	22.17	22.17	22.19	24.00
S02-I002	Head	22.17	22.17	22.19	24.00
	Tail	22.74	22.74	22.75	24.00

S02-J001	Head	22.74	22.74	22.75	24.00
	Tail	23.31	23.31	23.31	24.00
S02-J002	Head	23.31	23.31	23.31	24.00
	Tail	23.37	23.37	23.37	24.00
S03-A001	Head	13.21	13.21	13.47	21.00
	Tail	14.58	14.58	14.79	21.00
S03-A002	Head	14.58	14.58	14.80	21.00
	Tail	20.18	20.18	20.21	21.00
S03-A003	Head	20.18	20.18	20.21	21.00
	Tail	20.60	20.60	20.61	21.00
S03-B001	Head	20.60	20.60	20.61	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	19.99	19.99	19.99	21.00
S03-F001	Head	19.99	19.99	19.99	21.00
	Tail	19.67	19.67	19.68	21.00
S03-F002	Head	19.67	19.67	19.68	21.00
	Tail	19.97	19.97	19.97	21.00
S03-F003	Head	19.97	19.97	19.97	21.00
	Tail	19.71	19.71	19.72	21.00
S03-F004	Head	19.71	19.71	19.72	21.00
	Tail	19.86	19.86	19.86	21.00
S03-G001	Head	19.86	19.86	19.86	21.00
	Tail	18.78	18.78	18.80	21.00
S03-G002	Head	18.78	18.78	18.80	21.00
	Tail	19.66	19.66	19.66	21.00
S03-H001	Head	19.66	19.66	19.66	21.00
	Tail	19.15	19.15	19.16	21.00
S03-H002	Head	19.15	19.15	19.16	21.00
	Tail	20.30	20.30	20.30	21.00
S03-H003	Head	20.30	20.30	20.30	21.00
	Tail	18.47	18.47	18.49	21.00
S03-H004	Head	18.47	18.47	18.49	21.00
	Tail	20.04	20.04	20.05	21.00
S03-H005	Head	20.04	20.04	20.05	21.00
	Tail	18.98	18.98	18.99	21.00
S03-H006	Head	18.98	18.98	18.99	21.00
	Tail	20.98	20.98	20.98	21.00
S03-I001	Head	20.98	20.98	20.98	21.00

	Tail	21.00	21.00	21.00	21.00
S03-I002	Head	21.00	21.00	21.00	21.00
	Tail	19.93	19.93	19.94	21.00
S03-I003	Head	19.93	19.93	19.94	21.00
	Tail	20.81	20.81	20.81	21.00
S03-J001	Head	20.81	20.81	20.81	21.00
	Tail	20.91	20.91	20.91	21.00
S03-J002	Head	20.91	20.91	20.91	21.00
	Tail	20.71	20.71	20.71	21.00
S03-L001	Head	20.71	20.71	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	21.07	21.07	21.07	21.00
S03-L003	Head	21.07	21.07	21.07	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	20.51	21.00
S03-L006	Head	20.50	20.50	20.51	21.00
	Tail	21.21	21.21	21.21	21.00
S03-M001	Head	21.21	21.21	21.21	21.00
	Tail	20.31	20.31	20.32	21.00
S03-M002	Head	20.31	20.31	20.32	21.00
	Tail	21.19	21.19	21.18	21.00
S03-M003	Head	21.19	21.19	21.18	21.00
	Tail	21.07	21.07	21.07	21.00
S04-A001	Head	43.06	43.06	42.87	21.00
	Tail	32.62	32.62	32.53	21.00
S04-A002	Head	32.62	32.62	32.53	21.00
	Tail	30.18	30.18	30.10	21.00
S04-A003	Head	30.18	30.18	30.10	21.00
	Tail	28.16	28.16	28.10	21.00
S04-A004	Head	28.16	28.16	28.10	21.00
	Tail	24.37	24.37	24.34	21.00
S04-A005	Head	24.37	24.37	24.34	21.00
	Tail	25.52	25.52	25.49	21.00
S04-B001	Head	25.52	25.52	25.49	21.00
	Tail	22.69	22.69	22.68	21.00
S04-B002	Head	22.69	22.69	22.68	21.00
	Tail	22.72	22.72	22.70	21.00
S04-B003	Head	22.72	22.72	22.70	21.00
	Tail	21.27	21.27	21.27	21.00
S04-B004	Head	21.27	21.27	21.27	21.00
	Tail	22.99	22.99	22.98	21.00

S04-B005	Head	22.99	22.99	22.98	21.00
	Tail	20.77	20.77	20.77	21.00
S04-B006	Head	20.77	20.77	20.77	21.00
	Tail	21.87	21.87	21.87	21.00
S04-B007	Head	21.87	21.87	21.87	21.00
	Tail	20.54	20.54	20.54	21.00
S04-B008	Head	20.54	20.54	20.54	21.00
	Tail	21.49	21.49	21.49	21.00
S04-B009	Head	21.49	21.49	21.49	21.00
	Tail	19.89	19.89	19.90	21.00
S04-B010	Head	19.89	19.89	19.90	21.00
	Tail	20.37	20.37	20.38	21.00
S04-C001	Head	20.37	20.37	20.38	21.00
	Tail	21.35	21.35	21.35	21.00
S04-C002	Head	21.35	21.35	21.35	21.00
	Tail	20.48	20.48	20.48	21.00
S04-C003	Head	20.48	20.48	20.48	21.00
	Tail	21.58	21.58	21.58	21.00
S04-C004	Head	21.58	21.58	21.58	21.00
	Tail	20.51	20.51	20.51	21.00
S04-C005	Head	20.51	20.51	20.51	21.00
	Tail	21.83	21.83	21.83	21.00
S04-D001	Head	21.83	21.83	21.83	21.00
	Tail	21.79	21.79	21.79	21.00
S04-D002	Head	21.79	21.79	21.79	21.00
	Tail	20.68	20.68	20.69	21.00
S04-D003	Head	20.68	20.68	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	20.54	21.00
S04-E004	Head	20.54	20.54	20.54	21.00
	Tail	21.52	21.52	21.52	21.00
S04-E005	Head	21.52	21.52	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	22.40	22.40	22.41	24.00
	Tail	22.71	22.71	22.72	24.00
P01-A002	Head	22.71	22.71	22.72	24.00
	Tail	22.40	22.40	22.41	24.00
P01-B001	Head	22.40	22.40	22.41	24.00
	Tail	22.64	22.64	22.65	24.00
P01-B002	Head	22.64	22.64	22.65	24.00
	Tail	22.24	22.24	22.25	24.00
P01-B003	Head	22.24	22.24	22.25	24.00
	Tail	22.02	22.02	22.03	24.00
P01-C001	Head	22.02	22.02	22.03	24.00
	Tail	22.59	22.59	22.60	24.00
P01-C002	Head	22.59	22.59	22.60	24.00
	Tail	22.29	22.29	22.30	24.00
P01-D001	Head	22.29	22.29	22.30	24.00
	Tail	22.41	22.41	22.42	24.00
P01-D002	Head	22.41	22.41	22.42	24.00
	Tail	22.01	22.01	22.02	24.00
P01-E001	Head	22.01	22.01	22.02	24.00
	Tail	22.56	22.56	22.57	24.00
P01-F001	Head	22.56	22.56	22.57	24.00
	Tail	22.79	22.79	22.80	24.00
P01-G001	Head	22.79	22.79	22.80	24.00
	Tail	22.81	22.81	22.82	24.00
P01-G002	Head	22.81	22.81	22.82	24.00
	Tail	21.68	21.68	21.69	24.00
P01-G003	Head	21.68	21.68	21.69	24.00
	Tail	22.42	22.42	22.43	24.00
P01-H001	Head	22.42	22.42	22.43	24.00
	Tail	22.80	22.80	22.80	24.00
P01-H002	Head	22.80	22.80	22.80	24.00
	Tail	21.91	21.91	21.92	24.00
P01-H003	Head	21.91	21.91	21.92	24.00
	Tail	23.77	23.77	23.78	24.00
P01-H004	Head	23.77	23.77	23.78	24.00
	Tail	23.03	23.03	23.04	24.00
P01-I001	Head	23.03	23.03	23.04	24.00
	Tail	22.95	22.95	22.95	24.00
P01-I002	Head	22.95	22.95	22.95	24.00
	Tail	23.45	23.45	23.46	24.00
P01-J001	Head	23.45	23.45	23.46	24.00
	Tail	23.25	23.25	23.25	24.00
P01-J002	Head	23.25	23.25	23.25	24.00
	Tail	23.85	23.85	23.86	24.00

P01-J003	Head	23.85	23.85	23.86	24.00
	Tail	23.68	23.68	23.69	24.00
P01-L001	Head	23.68	23.68	23.68	24.00
	Tail	23.20	23.20	23.20	24.00
S01-F002	Head	25.67	25.67	25.65	21.00
	Tail	24.77	24.77	24.75	21.00
S01-A001	Head	29.32	29.32	29.27	21.00
	Tail	28.97	28.97	28.93	21.00
N10-A004	Head	37.17	37.17	37.12	26.00
	Tail	36.36	36.36	36.32	26.00
S01-E001	Head	26.44	26.44	26.40	21.00
	Tail	25.95	25.95	25.92	21.00
S02-E001	Head	25.14	25.14	25.11	21.00
	Tail	26.02	26.02	25.98	21.00
S02-F008	Head	22.46	22.46	22.45	21.00
	Tail	23.67	23.67	23.65	21.00
S02-F001	Head	24.22	24.22	24.20	21.00
	Tail	24.74	24.74	24.72	21.00
S02-F002	Head	24.74	24.74	24.72	21.00
	Tail	22.21	22.21	22.20	21.00
S02-F003	Head	22.21	22.21	22.20	21.00
	Tail	23.47	23.47	23.45	21.00
S02-F004	Head	23.47	23.47	23.45	21.00
	Tail	22.47	22.47	22.46	21.00
S02-F005	Head	22.47	22.47	22.46	21.00
	Tail	23.22	23.22	23.21	21.00
S02-F006	Head	23.22	23.22	23.21	21.00
	Tail	22.14	22.14	22.13	21.00
S02-F007	Head	22.14	22.14	22.13	21.00
	Tail	22.46	22.46	22.45	21.00
S02-F009	Head	23.67	23.67	23.65	21.00
	Tail	22.45	22.45	22.44	21.00
N09_A001	Head	41.78	41.78	41.72	26.00
	Tail	41.70	41.70	41.64	26.00
N09_A002	Head	41.70	41.70	41.64	26.00
	Tail	40.03	40.03	39.97	26.00
N09_A003	Head	40.03	40.03	39.97	26.00
	Tail	38.94	38.94	38.89	26.00
N09_A004	Head	38.94	38.94	38.89	26.00
	Tail	38.49	38.49	38.44	26.00
N09_A005	Head	38.49	38.49	38.44	26.00
	Tail	38.35	38.35	38.30	26.00
N09_B001	Head	38.35	38.35	38.30	26.00
	Tail	38.14	38.14	38.09	26.00
N09_B002	Head	38.14	38.14	38.09	26.00

	Tail	37.20	37.20	37.16	26.00
N09_B003	Head	37.20	37.20	37.16	26.00
	Tail	37.33	37.33	37.29	26.00
N09_B004	Head	37.33	37.33	37.29	26.00
	Tail	36.75	36.75	36.71	26.00
N09_B005	Head	36.75	36.75	36.71	26.00
	Tail	36.56	36.56	36.52	26.00
N09_B006	Head	36.56	36.56	36.52	26.00
	Tail	35.31	35.31	35.28	26.00
N09_B007	Head	35.31	35.31	35.28	26.00
	Tail	34.60	34.60	34.57	26.00
N09_C001	Head	34.60	34.60	34.57	26.00
	Tail	34.37	34.37	34.34	26.00
N09_C002	Head	34.37	34.37	34.34	26.00
	Tail	32.75	32.75	32.72	26.00
N09_C003	Head	32.75	32.75	32.72	26.00
	Tail	32.75	32.75	32.72	26.00
N09_C004	Head	32.75	32.75	32.72	26.00
	Tail	32.04	32.04	32.02	26.00
N09_C005	Head	32.04	32.04	32.02	26.00
	Tail	31.11	31.11	31.09	26.00
N09_D001	Head	31.11	31.11	31.09	26.00
	Tail	31.09	31.09	31.07	26.00
N09_D002	Head	31.09	31.09	31.07	26.00
	Tail	30.55	30.55	30.54	26.00
N09_D003	Head	30.55	30.55	30.54	26.00
	Tail	30.74	30.74	30.72	26.00
N09_D004	Head	30.74	30.74	30.72	26.00
	Tail	30.04	30.04	30.03	26.00
N09_D005	Head	30.04	30.04	30.03	26.00
	Tail	30.27	30.27	30.26	26.00
N09_D006	Head	30.27	30.27	30.26	26.00
	Tail	29.51	29.51	29.50	26.00
N09_D007	Head	29.51	29.51	29.50	26.00
	Tail	29.84	29.84	29.83	26.00
N09_D008	Head	29.84	29.84	29.83	26.00
	Tail	29.18	29.18	29.17	26.00
N09_D009	Head	29.18	29.18	29.17	26.00
	Tail	29.21	29.21	29.20	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	98.36	98.36	26268.087	45.90	45.90	0.6325	35.97
10_VES_070	PercentOpen	94.59	94.59	26268.087	42.03	42.03	0.6325	35.97
10_VES_080	PercentOpen	90.32	90.32	26268.087	38.38	38.38	0.6325	35.97
10_VES_090	PercentOpen	85.84	85.84	26268.087	35.24	35.24	0.6325	35.97
10_VES_140	PercentOpen	96.45	96.45	26176.322	44.00	44.00	0.6325	35.97
10_VES_150	PercentOpen	92.25	92.25	26176.322	40.10	40.10	0.6325	35.97
10_VES_160	PercentOpen	88.15	88.15	26176.322	36.94	36.94	0.6325	35.97
10_VES_170	PercentOpen	84.19	84.19	26176.323	34.39	34.39	0.6325	35.97
10_VES_190	PercentOpen	96.67	96.67	26084.469	44.33	44.33	0.6325	35.97
10_VES_200	PercentOpen	92.00	92.00	26084.469	40.01	40.01	0.6325	35.97
10_VES_280	PercentOpen	94.32	94.32	26007.668	42.04	42.04	0.6325	35.97
10_VES_290	PercentOpen	89.17	89.17	26007.668	37.58	37.58	0.6325	35.97
10_VES_300	PercentOpen	84.47	84.47	26007.669	34.43	34.43	0.6325	35.97
10_VES_320	PercentOpen	95.05	95.05	25916.936	42.73	42.73	0.6325	35.97
10_VES_330	PercentOpen	90.77	90.77	25916.936	38.63	38.63	0.6325	35.97
10_VES_340	PercentOpen	87.51	87.51	25916.937	36.18	36.18	0.6325	35.97
10_VES_350	PercentOpen	83.91	83.91	25916.937	33.84	33.84	0.6325	35.97
10_VES_400	PercentOpen	96.01	96.01	25822.758	43.30	43.30	0.6325	35.97
10_VES_420	PercentOpen	88.67	88.67	21917.758	35.30	35.30	0.6325	35.97
10_VES_430	PercentOpen	85.61	85.61	21917.759	32.59	32.59	0.6325	35.97
10_VES_450	PercentOpen	97.14	97.14	21842.116	39.86	39.86	0.6325	35.97
10_VES_460	PercentOpen	93.24	93.24	21842.116	35.37	35.37	0.6325	35.97
10_VES_470	PercentOpen	90.56	90.56	21842.117	32.74	32.74	0.6325	35.97
10_VES_540	PercentOpen	97.85	97.84	21788.696	38.35	38.35	0.6325	35.97
10_VES_550	PercentOpen	94.44	94.44	21788.696	34.60	34.60	0.6325	35.97
10_VES_560	PercentOpen	90.25	90.25	21788.697	31.11	31.11	0.6325	35.97
10_VES_580	PercentOpen	97.22	97.22	21715.509	36.36	36.36	0.6325	35.97
10_VES_590	PercentOpen	94.82	94.82	21715.509	33.77	33.77	0.6325	35.97
10_VES_610	PercentOpen	86.61	86.61	21205.510	28.04	28.04	0.6325	35.97
10_VES_660	PercentOpen	97.22	97.22	20144.701	36.41	36.41	0.6325	35.97
10_VES_670	PercentOpen	96.79	96.79	20144.701	35.14	35.14	0.6325	35.97
10_VES_680	PercentOpen	94.45	94.45	18830.701	32.38	32.38	0.6325	35.97
10_VES_690	PercentOpen	93.26	93.26	17030.701	30.76	30.76	0.6325	35.97
40_VES_040	PercentOpen	91.14	91.14	8230.701	28.35	28.35	0.6325	35.97
40_VES_050	PercentOpen	90.11	90.11	8230.701	27.52	27.52	0.6325	35.97
40_VES_060	PercentOpen	89.92	89.92	7313.202	27.36	27.36	0.6325	35.97
40_VES_070	PercentOpen	88.55	88.55	7313.202	26.44	26.44	0.6325	35.97
40_VES_080	PercentOpen	88.15	88.15	6880.702	26.04	26.04	0.6325	35.97
40_VES_090	PercentOpen	86.49	86.49	6880.702	24.77	24.77	0.6325	35.97

40_VES_100	PercentOpen	85.36	85.36	6670.702	24.81	24.81	0.6325	35.97
40_VES_110	PercentOpen	84.75	84.75	6670.703	25.28	25.28	0.6325	35.97
40_VES_120	PercentOpen	83.21	83.21	5680.703	25.20	25.20	0.6325	35.97
40_VES_130	PercentOpen	81.59	81.59	5680.704	25.29	25.29	0.6325	35.97
40_VES_160	PercentOpen	80.71	80.71	5680.704	25.42	25.42	0.6325	35.97
40_VES_140	PercentOpen	97.31	97.31	5661.618	32.71	32.71	0.6325	35.97
40_VES_150	PercentOpen	96.25	96.25	5661.618	28.26	28.26	0.6325	35.97
40_VES_200	PercentOpen	95.01	95.01	5661.618	25.99	25.99	0.6325	35.97
40_VES_210	PercentOpen	95.12	95.12	5661.618	25.14	25.14	0.6325	35.97
40_VES_220	PercentOpen	95.45	95.45	5661.618	24.22	24.22	0.6325	35.97
40_VES_230	PercentOpen	95.21	95.21	5661.618	22.45	22.45	0.6325	35.97
40_VES_240	PercentOpen	92.26	92.26	5661.618	21.88	21.88	0.6325	35.97
40_VES_250	PercentOpen	90.92	90.92	5661.618	22.53	22.53	0.6325	35.97
40_VES_260	PercentOpen	89.38	89.38	5661.618	22.74	22.74	0.6325	35.97
40_VES_270	PercentOpen	89.14	89.14	591.618	23.37	23.37	0.6325	35.97
60_VES_040	PercentOpen	66.56	66.56	591.618	20.60	20.60	0.6325	35.97
60_VES_050	PercentOpen	66.45	66.45	591.618	20.99	20.99	0.6325	35.97
60_VES_060	PercentOpen	66.98	66.98	591.618	21.18	21.18	0.6325	35.97
60_VES_070	PercentOpen	71.79	71.79	5591.618	20.17	20.17	0.6325	35.97
60_VES_080	PercentOpen	69.46	69.46	5591.618	19.99	19.99	0.6325	35.97
60_VES_090	PercentOpen	66.26	66.26	4928.118	19.86	19.86	0.6325	35.97
60_VES_100	PercentOpen	63.19	63.19	4928.118	19.66	19.66	0.6325	35.97
60_VES_110	PercentOpen	61.22	61.22	3938.118	20.98	20.98	0.6325	35.97
60_VES_120	PercentOpen	59.95	59.95	3938.118	20.81	20.81	0.6325	35.97
60_VES_270	PercentOpen	59.33	59.33	3683.118	20.71	20.71	0.6325	35.97
60_VES_320	PercentOpen	57.97	57.97	3250.618	21.21	21.21	0.6325	35.97
60_VES_190	PercentOpen	72.21	72.21	3239.814	25.52	25.52	0.6325	35.97
60_VES_200	PercentOpen	66.86	66.86	3239.814	20.37	20.37	0.6325	35.97
60_VES_210	PercentOpen	67.27	67.27	3239.814	21.83	21.83	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	72.60	72.60	7000.000	22.02	22.02	0.6325	35.97
60_VES_060								

	PercentOpen	71.89	71.89	7000.000	22.29	22.29	0.6325	35.97
90_VES_070	PercentOpen	70.28	70.28	7000.000	22.01	22.01	0.6325	35.97
90_VES_080	PercentOpen	69.06	69.06	7000.000	22.56	22.56	0.6325	35.97
90_VES_090	PercentOpen	68.16	68.16	7000.000	22.79	22.79	0.6325	35.97
90_VES_100	PercentOpen	66.51	66.51	7000.000	22.42	22.42	0.6325	35.97
90_VES_110	PercentOpen	65.33	65.33	7000.000	23.03	23.03	0.6325	35.97
90_VES_120	PercentOpen	64.56	64.56	7000.000	23.45	23.45	0.6325	35.97
90_VES_130	PercentOpen	64.21	64.21	7000.000	23.68	23.68	0.6325	35.97
MTN	PercentOpen	85.00	85.00	26372.084	51.70	51.70	0.6325	35.97
10_VES_040	PercentOpen	80.04	80.04	26372.084	45.88	45.88	0.6325	35.97
10_VES_210	PercentOpen	87.54	87.54	26084.470	36.51	36.51	0.6325	35.97
10_VES_410	PercentOpen	92.04	92.04	21917.758	39.48	39.48	0.6325	35.97
10_VES_600	PercentOpen	91.49	91.49	21715.509	31.19	31.19	0.6325	35.97
90_VES_040	PercentOpen	74.26	74.26	7000.000	22.40	22.40	0.6325	35.97
60_VES_140	PercentOpen	75.00	75.00	3239.814	43.06	43.06	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	89.14	89.14	2509.500	23.37	23.37	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	92.14	92.14	7000.000	29.38	29.38	0.6325	35.97
HUB2	PercentOpen	92.14	65.00	0.000	29.38	25.00	0.6325	35.97
HUB3	PercentOpen	65.00	92.14	0.000	25.00	29.38	0.6325	35.97
HUB4	PercentOpen	92.14	65.00	0.000	29.38	25.00	0.6325	35.97
HUB5	PercentOpen	92.14	92.14	7000.000	29.38	29.38	0.6325	35.97
HUB6	PercentOpen	65.00	65.00	300.000	25.00	25.00	0.6325	35.97
HUB9	PercentOpen	92.14	65.00	0.000	29.38	25.00	0.6325	35.97
HUB10	PercentOpen	92.14	92.14	8230.701	29.38	29.38	0.6325	35.97
RES_CBA	Resistance	76.30	76.29	26372.084	42.30	42.30	0.6325	35.97
RES_MRD	Resistance	80.66	80.65	26268.088	32.28	32.27	0.6325	35.97
RES_ANT	Resistance	80.60	80.60	26176.323	32.39	32.39	0.6325	35.97
RES_CGR	Resistance	81.16	81.15	26084.470	32.41	32.41	0.6325	35.97
RES_RRP	Resistance	80.51	80.50	26007.669	32.34	32.34	0.6325	35.97
RES_TLG	Resistance	80.35	80.34	25916.938	32.00	31.99	0.6325	35.97
RES_MIR	Resistance	82.96	82.95	21917.760	30.62	30.61	0.6325	35.97
RES_PEN	Resistance	87.49	87.49	21842.117	30.39	30.39	0.6325	35.97
RES_IAC	Resistance	87.29	87.29	21788.697	29.21	29.21	0.6325	35.97
RES_SCA	Resistance	85.01	85.01	21205.510	27.46	27.46	0.6325	35.97
RES_BIG	Resistance	56.67	56.67	3250.618	21.07	21.07	0.6325	35.97
RES_SID	Resistance	60.60	60.60	2846.314	20.35	20.35	0.6325	35.97
RES_ARC	Resistance	89.14	89.13	591.618	23.37	23.37	0.6325	35.97
RES_PLN	Resistance	92.14	91.97	8230.701	29.38	29.32	0.6325	35.97
RES_CBO	Resistance	80.71	80.64	5680.704	25.42	25.39	0.6325	35.97
ERP ARC	MaximumDownstreamPressure	89.13	66.50	591.618	23.37	13.21	0.6325	35.97
ERP PLN	MaximumDownstreamPressure	92.14	75.00	7000.000	29.38	22.40	0.6325	35.97

	Resistance	100.00	99.99	26268.087	63.63	48.00	0.6325	35.97
COOL_MRD	Resistance	100.00	99.99	26176.322	48.92	48.00	0.6325	35.97
COOL_ANT	Resistance	100.00	99.99	26084.469	49.08	48.00	0.6325	35.97
COOL_CGR	Resistance	100.00	99.99	26007.668	50.57	48.00	0.6325	35.97
COOL_RRP	Resistance	100.00	99.99	25916.936	49.11	48.00	0.6325	35.97
COOL_TLG	Resistance	100.00	99.99	25822.758	49.03	48.00	0.6325	35.97
COOL_MIR	Resistance	100.00	100.00	21842.116	44.77	44.77	0.6325	35.97
COOL_PEN	Resistance	100.00	100.00	21788.696	41.78	41.78	0.6325	35.97
COOL_IAC	Resistance	100.00	100.00	21715.509	39.94	39.94	0.6325	35.97
COOL_SCA	Resistance	100.00	100.00	21134.700	39.79	39.79	0.6325	35.97
COOL_BIG	Resistance	75.00	75.00	3239.814	43.06	43.06	0.6325	35.97
COOL_ARC	Resistance	89.13	89.13	591.618	23.37	23.37	0.6325	35.97
COOL_PLN	Resistance	91.97	91.82	8230.701	29.32	29.32	0.6325	35.97
COOL_CBO	Resistance	99.80	99.73	5661.618	42.12	42.12	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	26268.0873	0.0000	24.000
10_VES_070	26268.0874	0.0000	24.000
10_VES_080	26268.0874	0.0000	24.000
10_VES_090	26268.0874	0.0000	24.000
10_VES_140	26176.3221	0.0000	24.000
10_VES_150	26176.3222	0.0000	24.000
10_VES_160	26176.3223	0.0000	24.000
10_VES_170	26176.3225	0.0000	24.000
10_VES_190	26084.4691	0.0000	24.000
10_VES_200	26084.4693	0.0000	24.000
10_VES_280	26007.6678	0.0000	24.000
10_VES_290	26007.6681	0.0000	24.000
10_VES_300	26007.6687	0.0000	24.000
10_VES_320	25916.9361	0.0000	24.000
10_VES_330	25916.9364	0.0000	24.000
10_VES_340	25916.9369	0.0000	24.000
10_VES_350	25916.9374	0.0000	24.000
10_VES_400	25822.7577	0.0000	24.000
10_VES_420	21917.7584	0.0000	24.000
10_VES_430	21917.7590	0.0000	24.000
10_VES_450	21842.1160	0.0000	24.000
10_VES_460	21842.1163	0.0000	24.000
10_VES_470	21842.1167	0.0000	24.000
10_VES_540	21788.6958	0.0000	24.000



10_VES_550	21788.6961	0.0000	24.000
10_VES_560	21788.6966	0.0000	24.000
10_VES_580	21715.5088	0.0000	24.000
10_VES_590	21715.5090	0.0000	24.000
10_VES_610	21205.5096	0.0000	24.000
10_VES_660	20144.7005	0.0000	24.000
10_VES_670	20144.7006	0.0000	24.000
10_VES_680	18830.7008	0.0000	24.000
10_VES_690	17030.7010	0.0000	24.000
40_VES_040	8230.7014	0.0000	24.000
40_VES_050	8230.7015	0.0000	24.000
40_VES_060	7313.2016	0.0000	24.000
40_VES_070	7313.2017	0.0000	24.000
40_VES_080	6880.7019	0.0000	24.000
40_VES_090	6880.7022	0.0000	24.000
40_VES_100	6670.7025	0.0000	24.000
40_VES_110	6670.7028	0.0000	24.000
40_VES_120	5680.7031	0.0000	24.000
40_VES_130	5680.7036	0.0000	24.000
40_VES_160	5680.7040	0.0000	24.000
40_VES_140	5661.6184	0.0000	24.000
40_VES_150	5661.6184	0.0000	24.000
40_VES_200	5661.6184	0.0000	24.000
40_VES_210	5661.6184	0.0000	24.000
40_VES_220	5661.6184	0.0000	24.000
40_VES_230	5661.6184	0.0000	24.000
40_VES_240	5661.6184	0.0000	24.000
40_VES_250	5661.6185	0.0000	24.000
40_VES_260	5661.6185	0.0000	24.000
40_VES_270	591.6185	0.0000	24.000
60_VES_040	591.6185	0.0000	24.000
60_VES_050	591.6185	0.0000	24.000
60_VES_060	591.6185	0.0000	24.000
60_VES_070	5591.6185	0.0000	24.000
60_VES_080	5591.6185	0.0000	24.000
60_VES_090	4928.1185	0.0000	24.000
60_VES_100	4928.1185	0.0000	24.000
60_VES_110	3938.1185	0.0000	24.000
60_VES_120	3938.1185	0.0000	24.000
60_VES_270	3683.1185	0.0000	24.000
60_VES_320	3250.6185	0.0000	24.000
60_VES_190	3239.8141	0.0000	24.000
60_VES_200	3239.8141	0.0000	24.000
60_VES_210	3239.8141	0.0000	24.000
60_VES_220	3239.8141	0.0000	24.000
60_VES_230			

	3239.8141	0.0000	24.000
60_VES_240	3239.8141	0.0000	24.000
60_VES_250	3239.8141	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	6999.9999	0.0000	24.000
90_VES_060	6999.9999	0.0000	24.000
90_VES_070	6999.9999	0.0000	24.000
90_VES_080	6999.9999	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	26372.0844	0.0000	24.000
10_VES_040	26372.0844	0.0000	24.000
10_VES_210	26084.4695	0.0000	24.000
10_VES_410	21917.7579	0.0000	24.000
10_VES_600	21715.5092	0.0000	24.000
90_VES_040	6999.9999	0.0000	24.000
60_VES_140	3239.8141	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	6999.9999	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	6999.9999	0.0000	24.000
HUB6	300.0000	0.0000	24.000
HUB9	0.0000	0.0000	24.000
HUB10	8230.7013	0.0000	24.000
RES_CBA	26372.0844	0.0000	24.000
RES_MRD	26268.0876	0.0000	24.000
RES_ANT			

	26176.3228	0.0000	24.000
RES_CGR	26084.4700	0.0000	24.000
RES_RRP	26007.6694	0.0000	24.000
RES_TLG	25916.9381	0.0000	24.000
RES_MIR	21917.7596	0.0000	24.000
RES_PEN	21842.1173	0.0000	24.000
RES_IAC	21788.6972	0.0000	24.000
RES_SCA	21205.5098	0.0000	24.000
RES_BIG	3250.6185	0.0000	24.000
RES_SID	2846.3141	0.0000	24.000
RES_ARC	591.6185	0.0000	24.000
RES_PLN	8230.7013	0.0000	24.000
RES_CBO	5680.7040	0.0000	24.000
ERP ARC	591.6185	0.0000	24.000
ERP PLN	6999.9999	0.0000	24.000
COOL_CBA	26268.0873	0.0000	24.000
COOL_MRD	26176.3221	0.0000	24.000
COOL_ANT	26084.4691	0.0000	24.000
COOL_CGR	26007.6677	0.0000	24.000
COOL_RRP	25916.9360	0.0000	24.000
COOL_TLG	25822.7576	0.0000	24.000
COOL_MIR	21842.1159	0.0000	24.000
COOL_PEN	21788.6958	0.0000	24.000
COOL_IAC	21715.5088	0.0000	24.000
COOL_SCA	21134.7005	0.0000	24.000
COOL_BIG	3239.8141	0.0000	24.000
COOL_ARC	591.6185	0.0000	24.000
COOL_PLN	8230.7013	0.0000	24.000
COOL_CBO	5661.6184	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	-26372.084	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97
TGS	MaximumFlow	71.79	-5000.000	20.00	0.6325	35.97
PE CBA	MaximumFlow	80.04	0.000	45.88	0.6325	35.97
PE CGR	MaximumFlow	81.16	0.000	32.41	0.6325	35.97
UTE TLG	MaximumFlow	92.04	0.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	92.23	0.000	34.11	0.6325	35.97
PE BSP	MaximumFlow	91.49	510.000	31.19	0.6325	35.97
PE SCA	MaximumFlow	98.55	990.000	38.29	0.6325	35.97
PE RCL	MaximumFlow	96.31	1314.000	34.18	0.6325	35.97
PE LMR	MaximumFlow	94.41	1800.000	32.22	0.6325	35.97
PE AMR	MaximumFlow	93.37	1800.000	30.75	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	90.76	0.000	28.00	0.6325	35.97
PE CMP	MaximumFlow	89.67	917.500	27.21	0.6325	35.97
PE ITU	MaximumFlow	88.15	0.000	26.04	0.6325	35.97
PE ACB	MaximumFlow	85.36	210.000	24.81	0.6325	35.97
PE CIC ARC	MaximumFlow	89.14	0.000	23.31	0.6325	35.97
PE RPR	MaximumFlow	89.14	2509.500	23.37	0.6325	35.97
PE JVL	MaximumFlow	69.46	0.000	19.99	0.6325	35.97
PE GMM	MaximumFlow	66.26	663.500	19.86	0.6325	35.97
PE GSP	MaximumFlow	61.22	990.000	20.98	0.6325	35.97
PE BRQ	MaximumFlow	59.83	255.000	20.91	0.6325	35.97
PE TJC	MaximumFlow	57.97	432.500	21.21	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	32.62	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	22.40	0.6325	35.97
PE ITA	MaximumFlow	70.28	0.000	22.01	0.6325	35.97
PE GRM	MaximumFlow	64.56	0.000	23.45	0.6325	35.97
EMED GRM	MaximumFlow	63.32	7000.000	23.20	0.6325	35.97
PE IND	MaximumFlow	88.50	432.500	25.95	0.6325	35.97
UTE ARC	MaximumFlow	89.14	2560.500	23.37	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	87.10	0.000	25.67	0.6325	35.97

PE CLG	MaximumFlow	89.38	0.000	22.74	0.6325	35.97
PE GMN	MaximumFlow	91.73	0.000	28.97	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	96.44	0.000	36.75	0.6325	35.97
PE VLP	MaximumFlow	97.14	0.000	39.86	0.6325	35.97
PE IAC	MaximumFlow	87.29	0.000	29.21	0.6325	35.97
PE IBT	MaximumFlow	98.01	0.000	37.17	0.6325	35.97
UFN TLG	MaximumFlow	92.04	3905.000	39.48	0.6325	35.97
PE ITP	MaximumFlow	83.21	990.000	25.20	0.6325	35.97
PE ITR	MaximumFlow	97.22	0.000	36.41	0.6325	35.97
COM_CBA	MaximumFlow	76.29	103.997	42.30	0.6325	35.97
COM_MRD	MaximumFlow	80.65	91.765	32.27	0.6325	35.97
COMB_ANT	MaximumFlow	80.60	91.854	32.39	0.6325	35.97
COMB_CGR	MaximumFlow	81.15	76.802	32.41	0.6325	35.97
COMB_RRP	MaximumFlow	80.50	90.733	32.34	0.6325	35.97
COMB_TLG	MaximumFlow	80.34	94.181	31.99	0.6325	35.97
COMB_MIR	MaximumFlow	82.95	75.644	30.61	0.6325	35.97
COMB_PEN	MaximumFlow	87.49	53.422	30.39	0.6325	35.97
COMB_IAC	MaximumFlow	87.29	73.188	29.21	0.6325	35.97
COMB_SCA	MaximumFlow	85.01	70.809	27.46	0.6325	35.97
COMB_ARC	MaximumFlow	89.13	0.000	23.37	0.6325	35.97
COMB_PLN	MaximumFlow	91.97	0.000	29.32	0.6325	35.97
COMB_CBO	MaximumFlow	80.64	19.086	25.39	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	56.67	10.804	21.07	0.6325	35.97

Accumulated Volume Summary			
Xreg Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-26372.0844	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	0.0000	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	917.5000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	210.0000	0.0000	24.000
PE CIC ARC	0.0000	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	432.5000	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	0.0000	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	103.9970	0.0000	24.000
COM_MRD	91.7655	0.0000	24.000
COMB_ANT	91.8537	0.0000	24.000

COMB_CGR	76.8023	0.0000	24.000
COMB_RRP	90.7334	0.0000	24.000
COMB_TLG	94.1806	0.0000	24.000
COMB_MIR	75.6436	0.0000	24.000
COMB_PEN	53.4215	0.0000	24.000
COMB_IAC	73.1884	0.0000	24.000
COMB_SCA	70.8093	0.0000	24.000
COMB_ARC	0.0000	0.0000	24.000
COMB_PLN	0.0000	0.0000	24.000
COMB_CBO	19.0856	0.0000	24.000
COMB_SID	4.8141	0.0000	24.000
COMB_BIG	10.8044	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 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
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_DRR					

	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

### 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	26372.084	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97
TGS	MaximumFlow	71.79	-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	-26372.0844	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	80.04	0.000	45.88	0.6325	35.97
PE CGR	MaximumFlow	81.16	0.000	32.41	0.6325	35.97
UTE TLG	MaximumFlow	92.04	0.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	92.23	0.000	34.11	0.6325	35.97
PE BSP	MaximumFlow	91.49	510.000	31.19	0.6325	35.97
PE SCA	MaximumFlow	98.55	990.000	38.29	0.6325	35.97
PE RCL	MaximumFlow	96.31	1314.000	34.18	0.6325	35.97
PE LMR	MaximumFlow	94.41	1800.000	32.22	0.6325	35.97
PE AMR	MaximumFlow	93.37	1800.000	30.75	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	90.76	0.000	28.00	0.6325	35.97
PE CMP	MaximumFlow	89.67	917.500	27.21	0.6325	35.97
PE ITU	MaximumFlow	88.15	0.000	26.04	0.6325	35.97

PE ACB	MaximumFlow	85.36	210.000	24.81	0.6325	35.97
PE CIC ARC	MaximumFlow	89.14	0.000	23.31	0.6325	35.97
PE RPR	MaximumFlow	89.14	2509.500	23.37	0.6325	35.97
PE JVL	MaximumFlow	69.46	0.000	19.99	0.6325	35.97
PE GMM	MaximumFlow	66.26	663.500	19.86	0.6325	35.97
PE GSP	MaximumFlow	61.22	990.000	20.98	0.6325	35.97
PE BRQ	MaximumFlow	59.83	255.000	20.91	0.6325	35.97
PE TJC	MaximumFlow	57.97	432.500	21.21	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	32.62	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	22.40	0.6325	35.97
PE ITA	MaximumFlow	70.28	0.000	22.01	0.6325	35.97
PE GRM	MaximumFlow	64.56	0.000	23.45	0.6325	35.97
EMED GRM	MaximumFlow	63.32	7000.000	23.20	0.6325	35.97
PE IND	MaximumFlow	88.50	432.500	25.95	0.6325	35.97
UTE ARC	MaximumFlow	89.14	2560.500	23.37	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	87.10	0.000	25.67	0.6325	35.97
PE CLG	MaximumFlow	89.38	0.000	22.74	0.6325	35.97
PE GMN	MaximumFlow	91.73	0.000	28.97	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	96.44	0.000	36.75	0.6325	35.97
PE VLP	MaximumFlow	97.14	0.000	39.86	0.6325	35.97
PE IAC	MaximumFlow	87.29	0.000	29.21	0.6325	35.97
PE IBT	MaximumFlow	98.01	0.000	37.17	0.6325	35.97
UFN TLG	MaximumFlow	92.04	3905.000	39.48	0.6325	35.97
PE ITP	MaximumFlow	83.21	990.000	25.20	0.6325	35.97
PE ITR	MaximumFlow	97.22	0.000	36.41	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	0.0000	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	917.5000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	210.0000	0.0000	24.000
PE CIC ARC	0.0000	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	432.5000	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	0.0000	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	76.29	103.997	42.30	0.6325	35.97
COM_MRD	MaximumFlow	80.65	91.765	32.27	0.6325	35.97
COMB_ANT	MaximumFlow	80.60	91.854	32.39	0.6325	35.97
COMB_CGR	MaximumFlow	81.15	76.802	32.41	0.6325	35.97
COMB_RRP	MaximumFlow	80.50	90.733	32.34	0.6325	35.97
COMB_TLG	MaximumFlow	80.34	94.181	31.99	0.6325	35.97
COMB_MIR	MaximumFlow	82.95	75.644	30.61	0.6325	35.97
COMB_PEN	MaximumFlow	87.49	53.422	30.39	0.6325	35.97
COMB_IAC	MaximumFlow	87.29	73.188	29.21	0.6325	35.97
COMB_SCA	MaximumFlow	85.01	70.809	27.46	0.6325	35.97
COMB_ARC	MaximumFlow	89.13	0.000	23.37	0.6325	35.97
COMB_PLN	MaximumFlow	91.97	0.000	29.32	0.6325	35.97
COMB_CBO	MaximumFlow	80.64	19.086	25.39	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	56.67	10.804	21.07	0.6325	35.97

Accumulated Volume Summary			
Fuel Delivery Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
COM_CBA	103.9970	0.0000	24.000
COM_MRD	91.7655	0.0000	24.000
COMB_ANT	91.8537	0.0000	24.000
COMB_CGR	76.8023	0.0000	24.000
COMB_RRP	90.7334	0.0000	24.000

COMB_TLG	94.1806	0.0000	24.000
COMB_MIR	75.6436	0.0000	24.000
COMB_PEN	53.4215	0.0000	24.000
COMB_IAC	73.1884	0.0000	24.000
COMB_SCA	70.8093	0.0000	24.000
COMB_ARC	0.0000	0.0000	24.000
COMB_PLN	0.0000	0.0000	24.000
COMB_CBO	19.0856	0.0000	24.000
COMB_SID	4.8141	0.0000	24.000
COMB_BIG	10.8044	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			
		Up	Down		Up	Down		
CBA	MaximumDownstreamPressure	76.29	100.00	26268.087	42.30	63.63	0.6325	35.97
MRD	MaximumDownstreamPressure	80.65	100.00	26176.322	32.27	48.92	0.6325	35.97
ANT	MaximumDownstreamPressure	80.60	100.00	26084.469	32.39	49.08	0.6325	35.97
CGR	MaximumDownstreamPressure	81.15	100.00	26007.668	32.41	50.57	0.6325	35.97
RRP	MaximumDownstreamPressure	80.50	100.00	25916.936	32.34	49.11	0.6325	35.97
TLG	MaximumDownstreamPressure	80.34	100.00	25822.758	31.99	49.03	0.6325	35.97
MIR	MaximumDownstreamPressure	82.95	100.00	21842.116	30.61	44.77	0.6325	35.97
PEN	MaximumDownstreamPressure	87.49	100.00	21788.696	30.39	41.78	0.6325	35.97
IAC	MaximumDownstreamPressure	87.29	100.00	21715.509	29.21	39.94	0.6325	35.97
SCA	MaximumDownstreamPressure	85.01	100.00	21134.700	27.46	39.79	0.6325	35.97
ARC	Bypass	89.13	89.13	591.618	23.37	23.37	0.6325	35.97
PLN	Bypass	91.97	91.97	8230.701	29.32	29.32	0.6325	35.97
CBO	MaximumDownstreamPressure	80.64	99.80	5661.618	25.39	42.12	0.6325	35.97
SID_mod	MaximumDownstreamPressure	60.60	74.50	2841.500	20.35	36.48	0.6325	35.97
BIG	MaximumDownstreamPressure	56.67	75.00	3239.814	21.07	43.06	0.6325	35.97

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			
		Up	Down		Up	Down		
CBA-B	BankControl	76.29	100.00	13134.044	42.30	63.63	0.6325	35.97
CBA-A	BankControl	76.29	100.00	13134.044	42.30	63.63	0.6325	35.97
MRD-B	BankControl	80.65	100.00	13088.161	32.27	48.92	0.6325	35.97



MRD-A	BankControl	80.65	100.00	13088.161	32.27	48.92	0.6325	35.97
ANT-B	BankControl	80.60	100.00	13042.235	32.39	49.08	0.6325	35.97
ANT-A	BankControl	80.60	100.00	13042.235	32.39	49.08	0.6325	35.97
CGR-D	Closed	81.15	100.00	0.000	32.41	50.57	0.6325	35.97
CGR-C	BankControl	81.15	100.00	8669.223	32.41	50.57	0.6325	35.97
CGR-B	BankControl	81.15	100.00	8669.223	32.41	50.57	0.6325	35.97
CGR-A	BankControl	81.15	100.00	8669.223	32.41	50.57	0.6325	35.97
RRP-B	BankControl	80.50	100.00	12958.468	32.34	49.11	0.6325	35.97
RRP-A	BankControl	80.50	100.00	12958.468	32.34	49.11	0.6325	35.97
TLG-A	BankControl	80.34	100.00	13714.846	31.99	49.03	0.6325	35.97
TLG-B	BankControl	80.34	100.00	13714.846	31.99	49.03	0.6325	35.97
MIR-B	BankControl	82.95	100.00	10921.058	30.61	44.77	0.6325	35.97
MIR-A	BankControl	82.95	100.00	10921.058	30.61	44.77	0.6325	35.97
PEN-D	Closed	87.49	100.00	0.000	30.39	41.78	0.6325	35.97
PEN-C	BankControl	87.49	100.00	7262.899	30.39	41.78	0.6325	35.97
PEN-B	BankControl	87.49	100.00	7262.899	30.39	41.78	0.6325	35.97
PEN-A	BankControl	87.49	100.00	7262.899	30.39	41.78	0.6325	35.97
IAC-B	MinimumSpeed	87.29	100.00	13687.787	29.21	39.94	0.6325	35.97
IAC-A	MinimumSpeed	87.29	100.00	13687.787	29.21	39.94	0.6325	35.97
SCA-B	MinimumSpeed	85.01	100.00	11562.955	27.46	39.79	0.6325	35.97
SCA-A	MinimumSpeed	85.01	100.00	11562.955	27.46	39.79	0.6325	35.97
ARC_MCD	Closed	90.64	90.64	0.000	23.37	23.37	0.6325	35.97
ARC_MCC	Closed	90.64	90.64	0.000	23.37	23.37	0.6325	35.97
ARC_MCB	Closed	90.64	90.64	0.000	23.37	23.37	0.6325	35.97
ARC_MCA	Closed	90.64	90.64	0.000	23.37	23.37	0.6325	35.97
PLN-A	Closed	90.64	90.64	0.000	29.32	29.32	0.6325	35.97
PLN-B	Closed	90.64	90.64	0.000	29.32	29.32	0.6325	35.97
CBO-C	Closed	80.64	99.80	0.000	25.39	42.12	0.6325	35.97
CBO-B	Closed	80.64	99.80	0.000	25.39	42.12	0.6325	35.97
CBO-A	BankControl	80.64	99.80	5661.618	25.39	42.12	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	56.67	75.00	1079.938	21.07	43.06	0.6325	35.97
BIG_MCA	BankControl	56.67	75.00	1079.938	21.07	43.06	0.6325	35.97
BIG_MCC	BankControl	56.67	75.00	1079.938	21.07	43.06	0.6325	35.97

Accumulated Volume Summary			
Bank Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA	26268.0873	0.0000	24.000
MRD	26176.3221	0.0000	24.000

ANT	26084.4691	0.0000	24.000
CGR	26007.6677	0.0000	24.000
RRP	25916.9360	0.0000	24.000
TLG	25822.7576	0.0000	24.000
MIR	21842.1159	0.0000	24.000
PEN	21788.6958	0.0000	24.000
IAC	21715.5088	0.0000	24.000
SCA	21134.7005	0.0000	24.000
ARC	591.6185	0.0000	24.000
PLN	8230.7013	0.0000	24.000
CBO	5661.6184	0.0000	24.000
SID_mod	2841.5000	0.0000	24.000
BIG	3239.8141	0.0000	24.000

Accumulated Volume Summary			
Member Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA-B	13134.0437	0.0000	24.000
CBA-A	13134.0437	0.0000	24.000
MRD-B	13088.1610	0.0000	24.000
MRD-A	13088.1610	0.0000	24.000
ANT-B	13042.2346	0.0000	24.000
ANT-A	13042.2346	0.0000	24.000
CGR-D	0.0000	0.0000	24.000
CGR-C	8669.2226	0.0000	24.000
CGR-B	8669.2226	0.0000	24.000
CGR-A	8669.2226	0.0000	24.000
RRP-B	12958.4680	0.0000	24.000
RRP-A	12958.4680	0.0000	24.000
TLG-A	13714.8459	0.0000	24.000
TLG-B	13714.8459	0.0000	24.000
MIR-B	10921.0580	0.0000	24.000
MIR-A	10921.0580	0.0000	24.000
PEN-D	0.0000	0.0000	24.000
PEN-C	7262.8986	0.0000	24.000
PEN-B	7262.8986	0.0000	24.000
PEN-A	7262.8986	0.0000	24.000
IAC-B	13687.7868	0.0000	24.000
IAC-A	13687.7868	0.0000	24.000
SCA-B	11562.9545	0.0000	24.000
SCA-A	11562.9545	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	0.0000	0.0000	24.000
PLN-B	0.0000	0.0000	24.000
CBO-C	0.0000	0.0000	24.000
CBO-B	0.0000	0.0000	24.000
CBO-A	5661.6184	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	1079.9380	0.0000	24.000
BIG_MCA	1079.9380	0.0000	24.000
BIG_MCC	1079.9380	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							
	Up	Down	Distance				

Pipe Name	Node Name	Node Name	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
XREG	TGS	MaximumFlow
BANK	PEN	MaximumDownstreamPressure
BANK	IAC	MaximumDownstreamPressure
BANK	PLN	Bypass