

GASBOL_TGS_C31**Default Initial Values Selected**

Pressure	91.117
Flow	1563.519
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	302.2243256	0.0000000	0.0000000	Flux N11-C0002
1	0.0001000	159.1426302	0.0000000	0.0000000	Flux N11-C0002
2	0.0001000	83.7633952	0.0000000	0.0000000	Flux N11-C0002
3	0.0001000	52.7036200	0.0000000	0.0000000	Flux N09-D0008
4	0.0001000	7.6266553	0.0000000	0.0000000	Flux N09-D0008

DPMX increased to 9764.86

5	0.0001000	0.0587091	0.0000000	0.0000000	Flux N09-D0010-PEIAC
6	0.0001000	0.0013486	0.0000000	0.0000000	Node N09-D0010-PEIAC
7	0.0001000	0.0000001	0.0000000	0.0000000	Node S03-M0004-BIG1

- 8 Compressor PEN-D FROM: BankControl TO: Closed
- 8 Compressor ARC_MCD FROM: BankControl TO: Closed
- 8 Compressor ARC_MCC FROM: BankControl TO: Closed
- 8 Compressor ARC_MCB FROM: BankControl TO: Closed
- 8 Compressor ARC_MCA FROM: BankControl TO: Closed
- 8 Compressor PLN-A FROM: BankControl TO: MinimumSpeed
- 8 Compressor CBO-B FROM: BankControl TO: MinimumSpeed
- 8 Compressor CBO-A FROM: BankControl TO: MinimumSpeed
- 8 Compressor SID_MCC FROM: BankControl TO: Closed

8	0.0001000	0.0640886	0.0000000	0.0000000	Xreg COM_CBA
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DPMX increased to 19529.72

9	0.0001000	0.0005525	0.0000000	0.0000000	Node N02-E0002-MRD1
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10	0.0001000	0.0000026	0.0000623	0.0000000	TNode S02-E006
11	0.0001000	2.4993407	0.0000623	0.0000000	Flux N01-A001

DPMX increased to 39059.44

12	0.0001000	0.0037637	0.0000623	0.0000000	Flux N01-B002
13	0.0001000	0.0029386	0.0000623	0.0000000	Node N02-E002-MRD1
14	0.0001000	0.0000015	0.0000768	0.0000000	TNode N04-A002

DPMX increased to 48824.28

15	0.0001000	0.1831039	0.0000768	0.0000000	Flux N10-A001
16	0.0001000	0.0000206	0.0000325	0.0000000	TNode N11-C005
17	0.0001000	0.0238265	0.0000325	0.0000000	Flux N10-A001
18	0.0001000	0.0000004	0.0000390	0.0000000	TNode N11-B003
19	0.0001000	0.0029712	0.0000200	0.0000000	Equip COOL_IAC
20	0.0001000	0.0002553	0.0000096	0.0000000	Equip 10_VES_660
21	0.0001000	0.0000191	0.0000002	0.0000000	Flux N11-C001

GASBOL_TGS_C31 : 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	1215.330	38300.208
Total Output Flow	1215.330	38300.211
Network Flow Balance	0.000	-0.003

Node Mass Balance Report : 0.000 hours

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

Pipe Hydraulic Summary Report : 0.000 hours

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N01-A001	85.00	78.44	30000.208	30000.208	1143.8572	51.70	45.91
N01-B001	78.44	73.46	30000.208	30000.208	737.3593	45.91	42.20
N02-A001	99.99	97.77	29882.808	29882.808	660.7296	48.00	45.95
N02-B001	97.77	92.84	29882.808	29882.808	1213.9481	45.95	42.06
N02-C001	92.84	87.16	29882.808	29882.808	1301.4062	42.06	38.25
N02-D001	87.16	81.12	29882.808	29882.808	1223.7869	38.25	34.80
N02-E001	81.12	73.87	29882.808	29882.808	1290.5086	34.80	31.35
N03-A001	99.99	95.41	29769.364	29769.364	1168.9791	48.00	44.06
N03-B001	95.41	89.97	29769.364	29769.364	1240.8033	44.06	40.08
N03-C001	89.97	84.73	29769.364	29769.364	1007.9800	40.08	36.74
N03-D001	84.73	79.11	29769.364	29769.364	1208.8394	36.74	33.85
N03-E001	79.11	74.08	29769.364	29769.364	891.2309	33.85	31.50
N04-A001	99.99	97.27	29656.391	29656.391	543.8493	48.00	45.72
N04-A002	97.27	96.46	29656.391	29656.391	388.8886	45.72	44.90
N04-A003	96.46	95.77	29656.391	29656.391	80.4702	44.90	44.39
N04-B001	95.77	89.82	29656.391	29656.391	1315.9982	44.39	40.00
N04-C001	89.82	88.76	29656.391	29656.391	405.6289	40.00	39.32
N04-C002	88.76	85.87	29656.391	29656.391	459.1398	39.32	37.43
N04-C003	85.87	83.70	29656.391	29656.391	558.6014	37.43	36.24
N04-D001	83.70	75.71	29656.391	29656.391	1207.9465	36.24	31.74
N05-A001	99.99	92.81	29550.961	29550.961	1677.5297	48.00	42.08
N05-B001	92.81	90.78	29550.961	29550.961	660.6301	42.08	40.59

N05-B002	90.78	88.51	29550.961	29550.961	342.3419	40.59	39.03
N05-B003	88.51	88.28	29550.961	29550.961	272.4594	39.03	38.95
N05-B004	88.28	86.00	29550.961	29550.961	309.1144	38.95	37.43
N05-C001	86.00	79.29	29550.961	29550.961	1524.1052	37.43	33.89
N05-D001	79.29	73.38	29550.961	29550.961	1168.5327	33.89	31.35
N06-A001	99.99	100.25	29438.357	29438.357	102.3888	48.00	48.05
N06-A002	100.25	93.82	29438.357	29438.357	1321.1598	48.05	42.79
N06-B001	93.82	92.53	29438.357	29438.357	583.9833	42.79	41.74
N06-B002	92.53	87.92	29438.357	29438.357	1006.3690	41.74	38.55
N06-C001	87.92	83.33	29438.357	29438.358	1118.0854	38.55	35.87
N06-D001	83.33	78.58	29438.358	29438.358	859.0976	35.87	33.28
N06-E001	78.58	73.37	29438.358	29438.358	1002.2722	33.28	31.04
N07-A001	99.99	94.77	29325.600	29325.600	1441.1671	48.00	43.37
N07-B001	94.77	91.86	29325.600	29325.600	571.8254	43.37	41.20
N07-B002	91.86	89.64	29325.600	29325.600	604.5884	41.20	39.48
N07-C001	89.64	88.55	24740.600	24740.600	573.0574	39.48	38.22
N07-C002	88.55	85.12	24740.600	24740.600	967.2550	38.22	35.26
N07-D001	85.12	81.23	24740.600	24740.600	1006.8775	35.26	32.41
N07-E001	81.23	77.71	24740.600	24740.600	934.9189	32.41	30.26
N08-A001	99.99	96.20	24646.620	24646.620	1548.3548	48.00	42.57
N08-B001	96.20	93.10	24646.620	24646.620	1183.3848	42.57	39.05
N08-B002	93.10	91.32	24646.620	24646.620	381.9104	39.05	37.52
N08-C001	91.32	89.73	24646.620	24646.621	812.7149	37.52	35.94
N08-C002	89.73	87.74	24646.621	24646.621	476.3633	35.94	34.40
N08-D001	87.74	86.84	24646.621	24646.621	488.3092	34.40	33.71
N08-D002	86.84	86.41	24646.621	24646.621	50.1941	33.71	33.39
N08-D003	86.41	83.59	24646.621	24646.621	856.2486	33.39	31.51
N10-A001	99.99	100.01	24497.535	24497.535	202.1367	45.10	44.73
N10-A002	100.01	98.42	24497.535	24497.535	265.7885	44.73	43.25
N10-A003	98.42	97.34	24497.535	24497.535	643.1726	43.25	41.58
N10-B001	96.39	93.18	24497.536	24497.536	1289.1123	40.59	37.22
N10-C001	93.18	92.85	24497.536	24497.536	196.9468	37.22	36.87
N10-C002	92.85	90.88	24497.536	24497.536	273.0042	36.87	35.39
N10-C003	90.88	89.95	24497.536	24497.536	305.0592	35.39	34.64
N10-C004	89.95	88.95	24497.536	24497.536	262.4723	34.64	33.90
N10-C005	88.95	89.34	24497.536	24497.536	211.1569	33.90	34.13
N10-C006	89.34	89.00	24497.536	24497.536	29.4454	34.13	33.89
N10-D001	89.00	83.35	23307.536	23307.536	1482.2150	33.89	29.95
N10-E001	83.35	83.78	23307.536	23307.536	103.7758	29.95	30.34
N10-E002	83.78	82.61	23307.536	23307.536	125.9408	30.34	29.58
N10-E003	82.61	83.57	23307.536	23307.536	103.4490	29.58	30.38
N10-E004	83.57	81.35	23307.536	23307.536	319.5150	30.38	29.02
N11-A001	100.00	98.40	23226.577	23226.577	389.0995	44.66	43.01
N11-A002	98.40	98.34	23226.577	23226.577	99.0026	43.01	42.82
N11-A003	98.34	98.96	22236.577	22236.577	232.0318	42.82	42.83
N11-A004							

	98.96	96.63	22236.577	22236.577	693.8345	42.83	40.33
N11-B001	96.63	95.76	22236.577	22236.577	149.8296	40.33	39.58
N11-B002	95.76	97.44	22236.577	22236.577	212.5767	39.58	40.42
N11-B003	97.44	96.43	22236.577	22236.577	627.0388	40.42	39.05
N11-B004	96.43	95.65	22236.577	22236.577	200.7767	39.05	38.35
N11-C001	95.65	95.87	22236.577	22236.577	65.7795	38.35	38.41
N11-C002	95.87	95.59	22236.577	22236.577	12.1612	38.41	38.21
N11-C003	95.59	94.86	22236.577	22236.577	606.2554	38.21	37.04
N11-C004	94.86	92.27	20922.577	20922.577	494.0899	37.04	34.82
N11-C005	92.27	92.69	20922.577	20922.577	271.0976	34.82	34.88
N11-D001	92.69	92.57	20922.577	20922.577	199.3180	34.88	34.63
N11-D002	92.57	92.95	19122.577	19122.577	150.7611	34.63	34.72
N11-D003	92.95	91.59	19122.577	19122.577	278.1820	34.72	33.54
N11-D004	91.59	91.04	19122.577	19122.577	568.4363	33.54	32.73
N11-E001	91.04	91.09	19122.577	19122.577	121.8206	32.73	32.68
N11-E002	91.09	91.24	17322.577	17322.577	238.9808	32.68	32.56
N11-E003	91.24	90.11	17322.577	17322.578	275.3439	32.56	31.58
N11-E004	90.11	89.54	17322.578	17322.578	407.8294	31.58	30.94
S01-A002	99.41	98.51	10287.015	10287.015	258.1802	39.30	37.33
S01-B001	98.51	97.94	10287.015	10287.015	154.1603	37.33	36.26
S01-B002	97.94	97.11	10287.015	10287.015	134.6856	36.26	35.20
S01-C001	97.11	96.38	10287.015	10287.015	239.1417	35.20	33.93
S01-C002	96.38	96.60	8487.015	8487.015	75.4804	33.93	33.75
S01-D001	96.60	95.00	8487.015	8487.015	420.6630	33.75	31.31
S01-E002	94.88	94.23	8257.015	8257.015	568.2138	30.48	29.10
S01-F001	94.23	92.88	8257.015	8257.016	485.4912	29.10	27.82
S01-G001	92.20	92.43	7799.515	7799.515	142.0311	26.73	26.89
S01-G002	92.43	90.87	7799.515	7799.515	432.9477	26.89	26.04
S01-H001	90.87	90.14	7367.015	7367.016	650.9100	26.04	25.97
S01-I001	90.14	90.07	7367.016	7367.016	79.2446	25.97	25.97
S01-I002	90.07	88.87	7367.016	7367.016	82.8145	25.97	25.25
S01-I003	88.87	88.44	7367.016	7367.016	500.1143	25.25	25.53
S01-J001	88.44	88.31	6377.016	6377.016	173.8073	25.53	25.60
S01-J002	88.31	86.47	6377.016	6377.016	460.5430	25.60	24.90
S01-J003	86.47	86.60	6377.016	6377.016	252.7500	24.90	25.34
S01-K001	86.60	87.07	6377.016	6377.016	278.8486	25.34	25.91
S01-K002	87.07	85.56	6377.016	6377.016	566.1659	25.91	25.37
S02-A001	99.72	97.05	6341.954	6341.954	629.5980	37.77	30.88
S02-B001	97.05	97.63	6341.954	6341.954	72.7813	30.88	30.87
S02-B002	97.63	96.33	6341.954	6341.954	83.0544	30.87	29.67
S02-B003	96.33	97.50	6341.954	6341.954	264.0667	29.67	29.33
S02-B004	97.50	95.63	6341.954	6341.954	120.7513	29.33	27.79
S02-B005	95.63	95.81	6341.954	6341.954	155.6726	27.79	27.51
S02-C001	95.81	96.55	6341.954	6341.954	221.8553	27.51	27.44
S02-C002	96.55	94.70	6341.954	6341.954	118.1736	27.44	26.08
S02-C003							

	94.70	95.32	6341.954	6341.954	31.5334	26.08	26.43
S02-C004	95.32	93.97	6341.954	6341.954	84.2709	26.43	25.49
S02-C005	93.97	94.40	6341.954	6341.954	159.3405	25.49	25.63
S02-D001	94.40	94.26	6341.954	6341.954	896.4647	25.63	25.00
S02-E002	97.22	95.32	6341.954	6341.954	95.1476	25.98	24.76
S02-E003	95.32	96.05	6341.954	6341.954	54.8626	24.76	25.19
S02-E004	96.05	93.53	6341.954	6341.954	281.1457	25.19	23.65
S02-E005	93.53	95.47	6341.954	6341.954	44.7719	23.65	24.88
S02-E006	95.47	94.34	6341.954	6341.954	171.0772	24.88	24.18
S02-G001	93.79	95.67	6341.954	6341.954	322.0003	22.49	23.97
S02-G002	95.67	92.40	6341.954	6341.954	308.1351	23.97	22.28
S02-G003	92.40	93.92	6341.954	6341.954	25.0994	22.28	23.28
S02-G004	93.92	92.31	6341.954	6341.954	62.9955	23.28	22.35
S02-G005	92.31	90.60	6341.954	6341.954	249.2436	22.35	21.76
S02-H001	90.60	92.64	6341.954	6341.954	109.9570	21.76	23.25
S02-H002	92.64	89.22	6341.954	6341.954	424.4813	23.25	21.79
S02-H003	89.22	90.14	6341.954	6341.954	258.5877	21.79	22.87
S02-H004	90.14	88.98	6341.954	6341.954	131.6182	22.87	22.33
S02-I001	88.98	87.29	6341.954	6341.954	351.8688	22.33	21.94
S02-I002	87.29	87.25	6341.954	6341.954	272.3074	21.94	22.49
S02-J001	87.25	86.81	6341.954	6341.954	535.8788	22.49	23.06
S02-J002	86.81	86.80	5661.954	5661.954	56.9154	23.06	23.14
S03-A001	66.00	65.94	591.954	591.954	11.4404	13.77	15.04
S03-A002	65.94	66.25	591.954	591.954	116.1375	15.04	20.25
S03-A003	66.25	66.06	591.954	591.954	57.3540	20.25	20.62
S03-B001	66.06	65.95	591.954	591.954	389.1074	20.62	20.99
S03-C001	65.95	65.94	591.954	591.954	149.0287	20.99	21.00
S03-C002	65.94	66.48	591.954	591.954	129.4228	21.00	21.18
S03-D001	66.48	71.24	591.954	591.954	379.6809	21.18	21.63
S03-E001	71.24	68.89	5591.954	5591.954	384.3774	20.17	19.98
S03-F001	68.89	68.26	5591.954	5591.954	42.3170	19.98	19.67
S03-F002	68.26	66.84	5591.954	5591.954	269.7126	19.67	19.96
S03-F003	66.84	65.68	5591.954	5591.954	128.1167	19.96	19.70
S03-F004	65.68	65.66	5591.954	5591.954	24.4285	19.70	19.85
S03-G001	65.66	61.89	4928.454	4928.454	325.0895	19.85	18.78
S03-G002	61.89	62.57	4928.454	4928.454	23.7859	18.78	19.65
S03-H001	62.57	62.00	4928.454	4928.454	8.3080	19.65	19.14
S03-H002	62.00	62.25	4928.454	4928.454	127.1638	19.14	20.29
S03-H003	62.25	59.42	4928.454	4928.454	119.5033	20.29	18.47
S03-H004	59.42	60.37	4928.454	4928.454	67.6632	18.47	20.03
S03-H005	60.37	59.18	4928.454	4928.454	19.4464	20.03	18.97
S03-H006	59.18	60.56	4928.454	4928.454	81.5727	18.97	20.97
S03-I001	60.56	60.54	3938.454	3938.454	12.0502	20.97	20.99
S03-I002	60.54	58.91	3938.454	3938.454	125.3241	20.99	19.92
S03-I003	58.91	59.28	3938.454	3938.454	96.6616	19.92	20.80
S03-I004							

	59.28	59.16	3938.454	3938.454	67.5964	20.80	20.90
S03-J002	59.16	58.65	3683.454	3683.454	98.8954	20.90	20.70
S03-L001	58.65	56.23	3683.454	3683.454	87.1430	20.70	18.82
S03-L002	56.23	57.84	3683.454	3683.454	76.6219	18.82	21.06
S03-L003	57.84	56.37	3683.454	3683.454	17.2125	21.06	19.58
S03-L004	56.37	57.63	3683.454	3683.454	21.3149	19.58	21.06
S03-L005	57.63	56.92	3683.454	3683.454	54.0805	21.06	20.50
S03-L006	56.92	57.27	3683.454	3683.454	96.9592	20.50	21.20
S03-M001	57.27	55.57	3250.954	3250.954	248.7913	21.20	20.31
S03-M002	55.57	56.11	3250.954	3250.954	81.5461	20.31	21.18
S03-M003	56.11	55.95	3250.954	3250.954	24.5449	21.18	21.06
S04-A001	75.00	73.07	3239.814	3239.814	136.1239	44.07	33.18
S04-A002	73.07	72.16	3239.814	3239.814	42.3931	33.18	30.65
S04-A003	72.16	73.48	3239.814	3239.814	107.2516	30.65	28.46
S04-A004	73.48	70.31	3239.814	3239.814	62.3799	28.46	24.61
S04-A005	70.31	72.21	3239.814	3239.814	36.6807	24.61	25.73
S04-B001	72.21	69.29	3239.814	3239.814	35.4923	25.73	22.87
S04-B002	69.29	69.58	3239.814	3239.814	58.1680	22.87	22.86
S04-B003	69.58	67.97	3239.814	3239.814	21.1351	22.86	21.40
S04-B004	67.97	70.11	3239.814	3239.814	78.1878	21.40	23.09
S04-B005	70.11	67.61	3239.814	3239.814	72.9261	23.09	20.84
S04-B006	67.61	68.81	3239.814	3239.814	18.1977	20.84	21.94
S04-B007	68.81	67.25	3239.814	3239.814	23.4439	21.94	20.60
S04-B008	67.25	68.22	3239.814	3239.814	33.9200	20.60	21.55
S04-B009	68.22	66.37	3239.814	3239.814	20.1969	21.55	19.94
S04-B010	66.37	66.86	3239.814	3239.814	4.1837	19.94	20.42
S04-C001	66.86	67.78	3239.814	3239.814	42.4145	20.42	21.39
S04-C002	67.78	66.70	3239.814	3239.814	29.0987	21.39	20.51
S04-C003	66.70	67.68	3239.814	3239.814	79.3189	20.51	21.61
S04-C004	67.68	66.11	3239.814	3239.814	113.0639	21.61	20.52
S04-C005	66.11	67.27	3239.814	3239.814	117.9331	20.52	21.84
S04-D001	67.27	67.27	3239.814	3239.814	146.5925	21.84	21.80
S04-D002	67.27	65.92	3239.814	3239.814	53.9582	21.80	20.69
S04-D003	65.92	66.57	3239.814	3239.814	100.5647	20.69	21.54
S04-E001	66.57	65.38	3239.814	3239.814	17.5021	21.54	20.50
S04-E002	65.38	66.48	3239.814	3239.814	17.9883	20.50	21.58
S04-E003	66.48	65.24	3239.814	3239.814	33.1848	21.58	20.54
S04-E004	65.24	66.23	3239.814	3239.814	18.8346	20.54	21.53
S04-E005	66.23	64.45	3239.814	3239.814	90.6849	21.53	20.24
S04-E006	64.45	65.10	3239.814	3239.814	81.4632	20.24	21.23
S04-E007	65.10	65.05	3239.814	3239.814	2.2134	21.23	21.19
S04-F001	65.05	62.47	3239.814	3239.814	50.2371	21.19	19.13
S04-F002	62.47	63.10	3239.814	3239.814	23.2910	19.13	19.98
S04-F003	63.10	62.05	3239.814	3239.814	25.0886	19.98	19.23
S04-G001	62.05	62.55	3239.814	3239.814	99.9976	19.23	20.59
S04-G002							

	62.55	60.84	3239.814	3239.814	54.0215	20.59	19.39
S04-G003	60.84	62.81	3239.814	3239.814	51.7417	19.39	21.65
S04-H001	62.81	62.04	3239.814	3239.814	43.3240	21.65	21.01
S04-H002	62.04	60.50	2846.314	2846.314	92.7117	21.01	20.07
S04-H003	60.50	61.16	2846.314	2846.314	17.6961	20.07	20.84
S04-H004	61.16	60.60	2846.314	2846.314	13.7230	20.84	20.35
S05-A001	74.50	74.78	2841.500	2841.500	19.7779	36.48	35.15
S05-A002	74.78	73.74	2841.500	2841.500	24.3175	35.15	32.64
S05-A003	73.74	74.70	2841.500	2841.500	63.8439	32.64	30.14
S05-A004	74.70	73.82	2409.000	2409.000	165.1039	30.14	24.21
S05-B001	73.82	72.14	2409.000	2409.000	77.2799	24.21	22.10
S05-B002	72.14	72.17	2409.000	2409.000	114.9220	22.10	21.81
S05-B003	72.17	70.53	2409.000	2409.000	15.6739	21.81	20.46
S05-B004	70.53	71.69	2409.000	2409.000	26.6034	20.46	21.52
S05-C001	71.69	70.12	2409.000	2409.000	115.3398	21.52	20.61
S05-C002	70.12	63.82	2409.000	2409.000	43.6700	20.61	16.06
S05-D001	63.82	63.90	2409.000	2409.000	208.5448	16.06	20.40
S05-D002	63.90	62.57	2409.000	2409.000	54.3099	20.40	19.78
S05-E001	62.57	62.88	2409.000	2409.000	17.0889	19.78	20.29
S05-E002	62.88	61.87	2409.000	2409.000	85.5836	20.29	20.24
S05-E003	61.87	62.54	2409.000	2409.000	15.1658	20.24	21.02
S05-E004	62.54	61.46	2409.000	2409.000	43.7786	21.02	20.32
S05-F001	61.46	61.29	2409.000	2409.000	38.9622	20.32	20.54
S05-F002	61.29	61.38	2409.000	2409.000	74.0142	20.54	21.11
S05-F003	61.38	59.30	2409.000	2409.000	134.1455	21.11	20.26
S05-G001	59.30	58.77	2409.000	2409.000	141.2582	20.26	20.97
S05-G002	58.77	57.10	2409.000	2409.000	108.3366	20.97	20.35
S05-H001	57.10	59.95	2409.000	2409.000	88.2939	20.35	23.19
S05-H002	59.95	57.98	2409.000	2409.000	30.7673	23.19	21.09
S05-H003	57.98	59.50	2409.000	2409.000	22.2439	21.09	22.65
S05-H004	59.50	57.31	2409.000	2409.000	52.0755	22.65	20.51
S05-H005	57.31	58.84	2409.000	2409.000	53.5815	20.51	22.28
S05-H006	58.84	58.61	2409.000	2409.000	20.2101	22.28	21.98
S05-I001	58.61	58.07	2409.000	2409.000	10.5277	21.98	21.42
S05-I002	58.07	57.80	2409.000	2409.000	81.4071	21.42	21.41
S05-I003	57.80	57.43	2409.000	2409.000	25.6983	21.41	21.13
S05-I004	57.43	56.90	2409.000	2409.000	53.6056	21.13	20.95
S05-J001	56.90	55.39	2409.000	2409.000	65.8333	20.95	20.12
S05-J002	55.39	55.79	2409.000	2409.000	20.7275	20.12	20.81
S05-J003	55.79	54.82	2409.000	2409.000	29.2913	20.81	20.13
S05-L001	54.82	54.63	2409.000	2409.000	3.1234	20.13	19.96
S05-L002	54.63	54.86	2409.000	2409.000	54.4281	19.96	20.93
S05-L003	54.86	54.34	2409.000	2409.000	41.1220	20.93	20.77
P01-A001	75.00	74.92	7000.000	7000.000	134.2381	25.09	25.05
P01-A002	74.92	74.26	7000.000	7000.000	83.2812	25.05	24.54
P01-B001							

	74.26	74.38	7000.000	7000.000	51.3224	24.54	24.67
P01-B002	74.38	73.16	7000.000	7000.000	200.1580	24.67	23.88
P01-B003	73.16	72.59	7000.000	7000.000	79.2000	23.88	23.53
P01-C001	72.59	73.12	7000.000	7000.000	37.6820	23.53	24.04
P01-C002	73.12	71.87	7000.000	7000.000	245.8414	24.04	23.40
P01-D001	71.87	71.93	7000.000	7000.000	23.7413	23.40	23.50
P01-D002	71.93	70.26	7000.000	7000.000	290.2612	23.50	22.79
P01-E001	70.26	69.03	7000.000	7000.000	470.6291	22.79	23.02
P01-F001	69.03	68.13	7000.000	7000.000	312.8148	23.02	23.11
P01-G001	68.13	67.83	7000.000	7000.000	95.0397	23.11	23.10
P01-G002	67.83	65.84	7000.000	7000.000	172.4823	23.10	21.91
P01-G003	65.84	66.48	7000.000	7000.000	33.0636	21.91	22.64
P01-H001	66.48	66.38	7000.000	7000.000	133.6695	22.64	22.98
P01-H002	66.38	65.09	7000.000	7000.000	79.2400	22.98	22.08
P01-H003	65.09	66.20	7000.000	7000.000	246.9218	22.08	23.90
P01-H004	66.20	65.29	7000.000	7000.000	41.2294	23.90	23.15
P01-I001	65.29	64.88	7000.000	7000.000	91.3062	23.15	23.05
P01-I002	64.88	64.53	7000.000	7000.000	267.2937	23.05	23.53
P01-J001	64.53	64.21	7000.000	7000.000	31.4265	23.53	23.32
P01-J002	64.21	64.42	7000.000	7000.000	153.0754	23.32	23.91
P01-J003	64.42	64.17	7000.000	7000.000	28.6286	23.91	23.74
P01-L001	64.17	63.29	7000.000	7000.000	125.8468	23.74	23.25
S01-F002	92.88	92.20	7799.516	7799.516	176.2209	27.82	26.73
S01-A001	99.58	99.41	10287.015	10287.015	60.3616	39.95	39.30
N10-A004	97.34	96.39	24497.535	24497.535	284.1415	41.58	40.59
S01-E001	95.00	94.88	8487.015	8487.015	137.8351	31.31	30.48
S02-E001	94.26	97.22	6341.954	6341.954	266.9853	25.00	25.98
S02-F008	93.57	95.67	6341.954	6341.954	72.4524	22.50	23.71
S02-F001	94.34	95.47	6341.954	6341.954	69.2821	24.18	24.72
S02-F002	95.47	92.10	6341.954	6341.954	265.1251	24.72	22.21
S02-F003	92.10	94.61	6341.954	6341.954	271.6191	22.21	23.50
S02-F004	94.61	93.20	6341.954	6341.954	104.7870	23.50	22.50
S02-F005	93.20	94.62	6341.954	6341.954	111.7527	22.50	23.26
S02-F006	94.62	92.97	6341.954	6341.954	52.7474	23.26	22.18
S02-F007	92.97	93.57	6341.954	6341.954	87.3373	22.18	22.50
S02-F009	95.67	93.79	6341.954	6341.954	43.1889	23.71	22.49
N09_A001	99.99	100.16	24578.363	24578.363	122.3285	46.98	46.82
N09_A002	100.16	98.32	24578.363	24578.363	357.7266	46.82	44.91
N09_A003	98.32	97.69	24578.363	24578.363	611.9242	44.91	43.42
N09_A004	97.69	97.12	24578.363	24578.363	81.1147	43.42	42.92
N09_A005	97.12	97.05	24578.363	24578.363	107.5115	42.92	42.71
N09_B001	97.05	96.91	24578.363	24578.363	131.3015	42.71	42.42
N09_B002	96.91	95.75	24578.363	24578.363	216.2278	42.42	41.35
N09_B003	95.75	96.06	24578.363	24578.363	99.5801	41.35	41.42
N09_B004	96.06	95.30	24578.363	24578.363	121.3722	41.42	40.76
N09_B005							

N04-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N04-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N05-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N06-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N07-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N08-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-C006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E003						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-D004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N11-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-K001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-K002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B003						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-G005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-F004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I001						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-H006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-L006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S03-M003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-A005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-B010	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-E007						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S04-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-E004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-H006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-I004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L001						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S05-L003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-G003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-H004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-I001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-I002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-J003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
P01-L001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N10-A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S01-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-E001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
S02-F009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_A005						

	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_B007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_C005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D001	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D002	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D003	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D004	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D005	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D006	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D007	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D008	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000
N09_D009	0.6325	0.6325	35.9734	35.9734	0.0000	0.0000

Pipe Quality Summary						
Pipe Name	C1		C2		C3	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	89.20	89.20	5.90	5.90	1.81	1.81
N01-B001	89.20	89.20	5.90	5.90	1.81	1.81
N02-A001	89.20	89.20	5.90	5.90	1.81	1.81
N02-B001	89.20	89.20	5.90	5.90	1.81	1.81
N02-C001	89.20	89.20	5.90	5.90	1.81	1.81
N02-D001	89.20	89.20	5.90	5.90	1.81	1.81
N02-E001	89.20	89.20	5.90	5.90	1.81	1.81
N03-A001	89.20	89.20	5.90	5.90	1.81	1.81
N03-B001	89.20	89.20	5.90	5.90	1.81	1.81
N03-C001	89.20	89.20	5.90	5.90	1.81	1.81
N03-D001	89.20	89.20	5.90	5.90	1.81	1.81
N03-E001	89.20	89.20	5.90	5.90	1.81	1.81
N04-A001	89.20	89.20	5.90	5.90	1.81	1.81
N04-A002	89.20	89.20	5.90	5.90	1.81	1.81
N04-A003	89.20	89.20	5.90	5.90	1.81	1.81
N04-B001	89.20	89.20	5.90	5.90	1.81	1.81
N04-C001	89.20	89.20	5.90	5.90	1.81	1.81

N04-C002	89.20	89.20	5.90	5.90	1.81	1.81
N04-C003	89.20	89.20	5.90	5.90	1.81	1.81
N04-D001	89.20	89.20	5.90	5.90	1.81	1.81
N05-A001	89.20	89.20	5.90	5.90	1.81	1.81
N05-B001	89.20	89.20	5.90	5.90	1.81	1.81
N05-B002	89.20	89.20	5.90	5.90	1.81	1.81
N05-B003	89.20	89.20	5.90	5.90	1.81	1.81
N05-B004	89.20	89.20	5.90	5.90	1.81	1.81
N05-C001	89.20	89.20	5.90	5.90	1.81	1.81
N05-D001	89.20	89.20	5.90	5.90	1.81	1.81
N06-A001	89.20	89.20	5.90	5.90	1.81	1.81
N06-A002	89.20	89.20	5.90	5.90	1.81	1.81
N06-B001	89.20	89.20	5.90	5.90	1.81	1.81
N06-B002	89.20	89.20	5.90	5.90	1.81	1.81
N06-C001	89.20	89.20	5.90	5.90	1.81	1.81
N06-D001	89.20	89.20	5.90	5.90	1.81	1.81
N06-E001	89.20	89.20	5.90	5.90	1.81	1.81
N07-A001	89.20	89.20	5.90	5.90	1.81	1.81
N07-B001	89.20	89.20	5.90	5.90	1.81	1.81
N07-B002	89.20	89.20	5.90	5.90	1.81	1.81
N07-C001	89.20	89.20	5.90	5.90	1.81	1.81
N07-C002	89.20	89.20	5.90	5.90	1.81	1.81
N07-D001	89.20	89.20	5.90	5.90	1.81	1.81
N07-E001	89.20	89.20	5.90	5.90	1.81	1.81
N08-A001	89.20	89.20	5.90	5.90	1.81	1.81
N08-B001	89.20	89.20	5.90	5.90	1.81	1.81
N08-B002	89.20	89.20	5.90	5.90	1.81	1.81
N08-C001	89.20	89.20	5.90	5.90	1.81	1.81
N08-C002	89.20	89.20	5.90	5.90	1.81	1.81
N08-D001	89.20	89.20	5.90	5.90	1.81	1.81
N08-D002	89.20	89.20	5.90	5.90	1.81	1.81
N08-D003	89.20	89.20	5.90	5.90	1.81	1.81
N10-A001	89.20	89.20	5.90	5.90	1.81	1.81
N10-A002	89.20	89.20	5.90	5.90	1.81	1.81
N10-A003	89.20	89.20	5.90	5.90	1.81	1.81
N10-B001	89.20	89.20	5.90	5.90	1.81	1.81
N10-C001	89.20	89.20	5.90	5.90	1.81	1.81
N10-C002	89.20	89.20	5.90	5.90	1.81	1.81
N10-C003	89.20	89.20	5.90	5.90	1.81	1.81
N10-C004	89.20	89.20	5.90	5.90	1.81	1.81
N10-C005	89.20	89.20	5.90	5.90	1.81	1.81
N10-C006	89.20	89.20	5.90	5.90	1.81	1.81
N10-D001	89.20	89.20	5.90	5.90	1.81	1.81
N10-E001	89.20	89.20	5.90	5.90	1.81	1.81
N10-E002	89.20	89.20	5.90	5.90	1.81	1.81
N10-E003						

	89.20	89.20	5.90	5.90	1.81	1.81
N10-E004	89.20	89.20	5.90	5.90	1.81	1.81
N11-A001	89.20	89.20	5.90	5.90	1.81	1.81
N11-A002	89.20	89.20	5.90	5.90	1.81	1.81
N11-A003	89.20	89.20	5.90	5.90	1.81	1.81
N11-A004	89.20	89.20	5.90	5.90	1.81	1.81
N11-B001	89.20	89.20	5.90	5.90	1.81	1.81
N11-B002	89.20	89.20	5.90	5.90	1.81	1.81
N11-B003	89.20	89.20	5.90	5.90	1.81	1.81
N11-B004	89.20	89.20	5.90	5.90	1.81	1.81
N11-C001	89.20	89.20	5.90	5.90	1.81	1.81
N11-C002	89.20	89.20	5.90	5.90	1.81	1.81
N11-C003	89.20	89.20	5.90	5.90	1.81	1.81
N11-C004	89.20	89.20	5.90	5.90	1.81	1.81
N11-C005	89.20	89.20	5.90	5.90	1.81	1.81
N11-D001	89.20	89.20	5.90	5.90	1.81	1.81
N11-D002	89.20	89.20	5.90	5.90	1.81	1.81
N11-D003	89.20	89.20	5.90	5.90	1.81	1.81
N11-D004	89.20	89.20	5.90	5.90	1.81	1.81
N11-E001	89.20	89.20	5.90	5.90	1.81	1.81
N11-E002	89.20	89.20	5.90	5.90	1.81	1.81
N11-E003	89.20	89.20	5.90	5.90	1.81	1.81
N11-E004	89.20	89.20	5.90	5.90	1.81	1.81
S01-A002	89.20	89.20	5.90	5.90	1.81	1.81
S01-B001	89.20	89.20	5.90	5.90	1.81	1.81
S01-B002	89.20	89.20	5.90	5.90	1.81	1.81
S01-C001	89.20	89.20	5.90	5.90	1.81	1.81
S01-C002	89.20	89.20	5.90	5.90	1.81	1.81
S01-D001	89.20	89.20	5.90	5.90	1.81	1.81
S01-E002	89.20	89.20	5.90	5.90	1.81	1.81
S01-F001	89.20	89.20	5.90	5.90	1.81	1.81
S01-G001	89.20	89.20	5.90	5.90	1.81	1.81
S01-G002	89.20	89.20	5.90	5.90	1.81	1.81
S01-H001	89.20	89.20	5.90	5.90	1.81	1.81
S01-I001	89.20	89.20	5.90	5.90	1.81	1.81
S01-I002	89.20	89.20	5.90	5.90	1.81	1.81
S01-I003	89.20	89.20	5.90	5.90	1.81	1.81
S01-J001	89.20	89.20	5.90	5.90	1.81	1.81
S01-J002	89.20	89.20	5.90	5.90	1.81	1.81
S01-J003	89.20	89.20	5.90	5.90	1.81	1.81
S01-K001	89.20	89.20	5.90	5.90	1.81	1.81
S01-K002	89.20	89.20	5.90	5.90	1.81	1.81
S02-A001	89.20	89.20	5.90	5.90	1.81	1.81
S02-B001	89.20	89.20	5.90	5.90	1.81	1.81
S02-B002	89.20	89.20	5.90	5.90	1.81	1.81
S02-B003						

	89.20	89.20	5.90	5.90	1.81	1.81
S02-B004	89.20	89.20	5.90	5.90	1.81	1.81
S02-B005	89.20	89.20	5.90	5.90	1.81	1.81
S02-C001	89.20	89.20	5.90	5.90	1.81	1.81
S02-C002	89.20	89.20	5.90	5.90	1.81	1.81
S02-C003	89.20	89.20	5.90	5.90	1.81	1.81
S02-C004	89.20	89.20	5.90	5.90	1.81	1.81
S02-C005	89.20	89.20	5.90	5.90	1.81	1.81
S02-D001	89.20	89.20	5.90	5.90	1.81	1.81
S02-E002	89.20	89.20	5.90	5.90	1.81	1.81
S02-E003	89.20	89.20	5.90	5.90	1.81	1.81
S02-E004	89.20	89.20	5.90	5.90	1.81	1.81
S02-E005	89.20	89.20	5.90	5.90	1.81	1.81
S02-E006	89.20	89.20	5.90	5.90	1.81	1.81
S02-G001	89.20	89.20	5.90	5.90	1.81	1.81
S02-G002	89.20	89.20	5.90	5.90	1.81	1.81
S02-G003	89.20	89.20	5.90	5.90	1.81	1.81
S02-G004	89.20	89.20	5.90	5.90	1.81	1.81
S02-G005	89.20	89.20	5.90	5.90	1.81	1.81
S02-H001	89.20	89.20	5.90	5.90	1.81	1.81
S02-H002	89.20	89.20	5.90	5.90	1.81	1.81
S02-H003	89.20	89.20	5.90	5.90	1.81	1.81
S02-H004	89.20	89.20	5.90	5.90	1.81	1.81
S02-I001	89.20	89.20	5.90	5.90	1.81	1.81
S02-I002	89.20	89.20	5.90	5.90	1.81	1.81
S02-J001	89.20	89.20	5.90	5.90	1.81	1.81
S02-J002	89.20	89.20	5.90	5.90	1.81	1.81
S03-A001	89.20	89.20	5.90	5.90	1.81	1.81
S03-A002	89.20	89.20	5.90	5.90	1.81	1.81
S03-A003	89.20	89.20	5.90	5.90	1.81	1.81
S03-B001	89.20	89.20	5.90	5.90	1.81	1.81
S03-C001	89.20	89.20	5.90	5.90	1.81	1.81
S03-C002	89.20	89.20	5.90	5.90	1.81	1.81
S03-D001	89.20	89.20	5.90	5.90	1.81	1.81
S03-E001	89.20	89.20	5.90	5.90	1.81	1.81
S03-F001	89.20	89.20	5.90	5.90	1.81	1.81
S03-F002	89.20	89.20	5.90	5.90	1.81	1.81
S03-F003	89.20	89.20	5.90	5.90	1.81	1.81
S03-F004	89.20	89.20	5.90	5.90	1.81	1.81
S03-G001	89.20	89.20	5.90	5.90	1.81	1.81
S03-G002	89.20	89.20	5.90	5.90	1.81	1.81
S03-H001	89.20	89.20	5.90	5.90	1.81	1.81
S03-H002	89.20	89.20	5.90	5.90	1.81	1.81
S03-H003	89.20	89.20	5.90	5.90	1.81	1.81
S03-H004	89.20	89.20	5.90	5.90	1.81	1.81
S03-I001						

	89.20	89.20	5.90	5.90	1.81	1.81
S03-H006	89.20	89.20	5.90	5.90	1.81	1.81
S03-I001	89.20	89.20	5.90	5.90	1.81	1.81
S03-I002	89.20	89.20	5.90	5.90	1.81	1.81
S03-I003	89.20	89.20	5.90	5.90	1.81	1.81
S03-J001	89.20	89.20	5.90	5.90	1.81	1.81
S03-J002	89.20	89.20	5.90	5.90	1.81	1.81
S03-L001	89.20	89.20	5.90	5.90	1.81	1.81
S03-L002	89.20	89.20	5.90	5.90	1.81	1.81
S03-L003	89.20	89.20	5.90	5.90	1.81	1.81
S03-L004	89.20	89.20	5.90	5.90	1.81	1.81
S03-L005	89.20	89.20	5.90	5.90	1.81	1.81
S03-L006	89.20	89.20	5.90	5.90	1.81	1.81
S03-M001	89.20	89.20	5.90	5.90	1.81	1.81
S03-M002	89.20	89.20	5.90	5.90	1.81	1.81
S03-M003	89.20	89.20	5.90	5.90	1.81	1.81
S04-A001	89.20	89.20	5.90	5.90	1.81	1.81
S04-A002	89.20	89.20	5.90	5.90	1.81	1.81
S04-A003	89.20	89.20	5.90	5.90	1.81	1.81
S04-A004	89.20	89.20	5.90	5.90	1.81	1.81
S04-A005	89.20	89.20	5.90	5.90	1.81	1.81
S04-B001	89.20	89.20	5.90	5.90	1.81	1.81
S04-B002	89.20	89.20	5.90	5.90	1.81	1.81
S04-B003	89.20	89.20	5.90	5.90	1.81	1.81
S04-B004	89.20	89.20	5.90	5.90	1.81	1.81
S04-B005	89.20	89.20	5.90	5.90	1.81	1.81
S04-B006	89.20	89.20	5.90	5.90	1.81	1.81
S04-B007	89.20	89.20	5.90	5.90	1.81	1.81
S04-B008	89.20	89.20	5.90	5.90	1.81	1.81
S04-B009	89.20	89.20	5.90	5.90	1.81	1.81
S04-B010	89.20	89.20	5.90	5.90	1.81	1.81
S04-C001	89.20	89.20	5.90	5.90	1.81	1.81
S04-C002	89.20	89.20	5.90	5.90	1.81	1.81
S04-C003	89.20	89.20	5.90	5.90	1.81	1.81
S04-C004	89.20	89.20	5.90	5.90	1.81	1.81
S04-C005	89.20	89.20	5.90	5.90	1.81	1.81
S04-D001	89.20	89.20	5.90	5.90	1.81	1.81
S04-D002	89.20	89.20	5.90	5.90	1.81	1.81
S04-D003	89.20	89.20	5.90	5.90	1.81	1.81
S04-E001	89.20	89.20	5.90	5.90	1.81	1.81
S04-E002	89.20	89.20	5.90	5.90	1.81	1.81
S04-E003	89.20	89.20	5.90	5.90	1.81	1.81
S04-E004	89.20	89.20	5.90	5.90	1.81	1.81
S04-E005	89.20	89.20	5.90	5.90	1.81	1.81
S04-E006	89.20	89.20	5.90	5.90	1.81	1.81
S04-E007						

	89.20	89.20	5.90	5.90	1.81	1.81
S04-F001	89.20	89.20	5.90	5.90	1.81	1.81
S04-F002	89.20	89.20	5.90	5.90	1.81	1.81
S04-F003	89.20	89.20	5.90	5.90	1.81	1.81
S04-G001	89.20	89.20	5.90	5.90	1.81	1.81
S04-G002	89.20	89.20	5.90	5.90	1.81	1.81
S04-G003	89.20	89.20	5.90	5.90	1.81	1.81
S04-H001	89.20	89.20	5.90	5.90	1.81	1.81
S04-H002	89.20	89.20	5.90	5.90	1.81	1.81
S04-H003	89.20	89.20	5.90	5.90	1.81	1.81
S04-H004	89.20	89.20	5.90	5.90	1.81	1.81
S05-A001	89.20	89.20	5.90	5.90	1.81	1.81
S05-A002	89.20	89.20	5.90	5.90	1.81	1.81
S05-A003	89.20	89.20	5.90	5.90	1.81	1.81
S05-A004	89.20	89.20	5.90	5.90	1.81	1.81
S05-B001	89.20	89.20	5.90	5.90	1.81	1.81
S05-B002	89.20	89.20	5.90	5.90	1.81	1.81
S05-B003	89.20	89.20	5.90	5.90	1.81	1.81
S05-B004	89.20	89.20	5.90	5.90	1.81	1.81
S05-C001	89.20	89.20	5.90	5.90	1.81	1.81
S05-C002	89.20	89.20	5.90	5.90	1.81	1.81
S05-D001	89.20	89.20	5.90	5.90	1.81	1.81
S05-D002	89.20	89.20	5.90	5.90	1.81	1.81
S05-E001	89.20	89.20	5.90	5.90	1.81	1.81
S05-E002	89.20	89.20	5.90	5.90	1.81	1.81
S05-E003	89.20	89.20	5.90	5.90	1.81	1.81
S05-E004	89.20	89.20	5.90	5.90	1.81	1.81
S05-F001	89.20	89.20	5.90	5.90	1.81	1.81
S05-F002	89.20	89.20	5.90	5.90	1.81	1.81
S05-F003	89.20	89.20	5.90	5.90	1.81	1.81
S05-G001	89.20	89.20	5.90	5.90	1.81	1.81
S05-G002	89.20	89.20	5.90	5.90	1.81	1.81
S05-H001	89.20	89.20	5.90	5.90	1.81	1.81
S05-H002	89.20	89.20	5.90	5.90	1.81	1.81
S05-H003	89.20	89.20	5.90	5.90	1.81	1.81
S05-H004	89.20	89.20	5.90	5.90	1.81	1.81
S05-H005	89.20	89.20	5.90	5.90	1.81	1.81
S05-H006	89.20	89.20	5.90	5.90	1.81	1.81
S05-I001	89.20	89.20	5.90	5.90	1.81	1.81
S05-I002	89.20	89.20	5.90	5.90	1.81	1.81
S05-I003	89.20	89.20	5.90	5.90	1.81	1.81
S05-I004	89.20	89.20	5.90	5.90	1.81	1.81
S05-J001	89.20	89.20	5.90	5.90	1.81	1.81
S05-J002	89.20	89.20	5.90	5.90	1.81	1.81
S05-J003	89.20	89.20	5.90	5.90	1.81	1.81
S05-L001						

	89.20	89.20	5.90	5.90	1.81	1.81
S05-L002	89.20	89.20	5.90	5.90	1.81	1.81
S05-L003	89.20	89.20	5.90	5.90	1.81	1.81
P01-A001	89.20	89.20	5.90	5.90	1.81	1.81
P01-A002	89.20	89.20	5.90	5.90	1.81	1.81
P01-B001	89.20	89.20	5.90	5.90	1.81	1.81
P01-B002	89.20	89.20	5.90	5.90	1.81	1.81
P01-B003	89.20	89.20	5.90	5.90	1.81	1.81
P01-C001	89.20	89.20	5.90	5.90	1.81	1.81
P01-C002	89.20	89.20	5.90	5.90	1.81	1.81
P01-D001	89.20	89.20	5.90	5.90	1.81	1.81
P01-D002	89.20	89.20	5.90	5.90	1.81	1.81
P01-E001	89.20	89.20	5.90	5.90	1.81	1.81
P01-F001	89.20	89.20	5.90	5.90	1.81	1.81
P01-G001	89.20	89.20	5.90	5.90	1.81	1.81
P01-G002	89.20	89.20	5.90	5.90	1.81	1.81
P01-G003	89.20	89.20	5.90	5.90	1.81	1.81
P01-H001	89.20	89.20	5.90	5.90	1.81	1.81
P01-H002	89.20	89.20	5.90	5.90	1.81	1.81
P01-H003	89.20	89.20	5.90	5.90	1.81	1.81
P01-H004	89.20	89.20	5.90	5.90	1.81	1.81
P01-I001	89.20	89.20	5.90	5.90	1.81	1.81
P01-I002	89.20	89.20	5.90	5.90	1.81	1.81
P01-J001	89.20	89.20	5.90	5.90	1.81	1.81
P01-J002	89.20	89.20	5.90	5.90	1.81	1.81
P01-J003	89.20	89.20	5.90	5.90	1.81	1.81
P01-L001	89.20	89.20	5.90	5.90	1.81	1.81
S01-F002	89.20	89.20	5.90	5.90	1.81	1.81
S01-A001	89.20	89.20	5.90	5.90	1.81	1.81
N10-A004	89.20	89.20	5.90	5.90	1.81	1.81
S01-E001	89.20	89.20	5.90	5.90	1.81	1.81
S02-E001	89.20	89.20	5.90	5.90	1.81	1.81
S02-F008	89.20	89.20	5.90	5.90	1.81	1.81
S02-F001	89.20	89.20	5.90	5.90	1.81	1.81
S02-F002	89.20	89.20	5.90	5.90	1.81	1.81
S02-F003	89.20	89.20	5.90	5.90	1.81	1.81
S02-F004	89.20	89.20	5.90	5.90	1.81	1.81
S02-F005	89.20	89.20	5.90	5.90	1.81	1.81
S02-F006	89.20	89.20	5.90	5.90	1.81	1.81
S02-F007	89.20	89.20	5.90	5.90	1.81	1.81
S02-F009	89.20	89.20	5.90	5.90	1.81	1.81
N09_A001	89.20	89.20	5.90	5.90	1.81	1.81
N09_A002	89.20	89.20	5.90	5.90	1.81	1.81
N09_A003	89.20	89.20	5.90	5.90	1.81	1.81
N09_A004	89.20	89.20	5.90	5.90	1.81	1.81
N09_A005						

	89.20	89.20	5.90	5.90	1.81	1.81
N09_B001	89.20	89.20	5.90	5.90	1.81	1.81
N09_B002	89.20	89.20	5.90	5.90	1.81	1.81
N09_B003	89.20	89.20	5.90	5.90	1.81	1.81
N09_B004	89.20	89.20	5.90	5.90	1.81	1.81
N09_B005	89.20	89.20	5.90	5.90	1.81	1.81
N09_B006	89.20	89.20	5.90	5.90	1.81	1.81
N09_B007	89.20	89.20	5.90	5.90	1.81	1.81
N09_C001	89.20	89.20	5.90	5.90	1.81	1.81
N09_C002	89.20	89.20	5.90	5.90	1.81	1.81
N09_C003	89.20	89.20	5.90	5.90	1.81	1.81
N09_C004	89.20	89.20	5.90	5.90	1.81	1.81
N09_C005	89.20	89.20	5.90	5.90	1.81	1.81
N09_D001	89.20	89.20	5.90	5.90	1.81	1.81
N09_D002	89.20	89.20	5.90	5.90	1.81	1.81
N09_D003	89.20	89.20	5.90	5.90	1.81	1.81
N09_D004	89.20	89.20	5.90	5.90	1.81	1.81
N09_D005	89.20	89.20	5.90	5.90	1.81	1.81
N09_D006	89.20	89.20	5.90	5.90	1.81	1.81
N09_D007	89.20	89.20	5.90	5.90	1.81	1.81
N09_D008	89.20	89.20	5.90	5.90	1.81	1.81
N09_D009	89.20	89.20	5.90	5.90	1.81	1.81

Pipe Quality Summary						
Pipe Name	IC4		NC4		IC5	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	0.29	0.29	0.40	0.40	0.12	0.12
N01-B001	0.29	0.29	0.40	0.40	0.12	0.12
N02-A001	0.29	0.29	0.40	0.40	0.12	0.12
N02-B001	0.29	0.29	0.40	0.40	0.12	0.12
N02-C001	0.29	0.29	0.40	0.40	0.12	0.12
N02-D001	0.29	0.29	0.40	0.40	0.12	0.12
N02-E001	0.29	0.29	0.40	0.40	0.12	0.12
N03-A001	0.29	0.29	0.40	0.40	0.12	0.12
N03-B001	0.29	0.29	0.40	0.40	0.12	0.12
N03-C001	0.29	0.29	0.40	0.40	0.12	0.12
N03-D001	0.29	0.29	0.40	0.40	0.12	0.12
N03-E001	0.29	0.29	0.40	0.40	0.12	0.12
N04-A001	0.29	0.29	0.40	0.40	0.12	0.12
N04-A002	0.29	0.29	0.40	0.40	0.12	0.12
N04-A003	0.29	0.29	0.40	0.40	0.12	0.12
N04-B001	0.29	0.29	0.40	0.40	0.12	0.12
N04-C001	0.29	0.29	0.40	0.40	0.12	0.12

N04-C002	0.29	0.29	0.40	0.40	0.12	0.12
N04-C003	0.29	0.29	0.40	0.40	0.12	0.12
N04-D001	0.29	0.29	0.40	0.40	0.12	0.12
N05-A001	0.29	0.29	0.40	0.40	0.12	0.12
N05-B001	0.29	0.29	0.40	0.40	0.12	0.12
N05-B002	0.29	0.29	0.40	0.40	0.12	0.12
N05-B003	0.29	0.29	0.40	0.40	0.12	0.12
N05-B004	0.29	0.29	0.40	0.40	0.12	0.12
N05-C001	0.29	0.29	0.40	0.40	0.12	0.12
N05-D001	0.29	0.29	0.40	0.40	0.12	0.12
N06-A001	0.29	0.29	0.40	0.40	0.12	0.12
N06-A002	0.29	0.29	0.40	0.40	0.12	0.12
N06-B001	0.29	0.29	0.40	0.40	0.12	0.12
N06-B002	0.29	0.29	0.40	0.40	0.12	0.12
N06-C001	0.29	0.29	0.40	0.40	0.12	0.12
N06-D001	0.29	0.29	0.40	0.40	0.12	0.12
N06-E001	0.29	0.29	0.40	0.40	0.12	0.12
N07-A001	0.29	0.29	0.40	0.40	0.12	0.12
N07-B001	0.29	0.29	0.40	0.40	0.12	0.12
N07-B002	0.29	0.29	0.40	0.40	0.12	0.12
N07-C001	0.29	0.29	0.40	0.40	0.12	0.12
N07-C002	0.29	0.29	0.40	0.40	0.12	0.12
N07-D001	0.29	0.29	0.40	0.40	0.12	0.12
N07-E001	0.29	0.29	0.40	0.40	0.12	0.12
N08-A001	0.29	0.29	0.40	0.40	0.12	0.12
N08-B001	0.29	0.29	0.40	0.40	0.12	0.12
N08-B002	0.29	0.29	0.40	0.40	0.12	0.12
N08-C001	0.29	0.29	0.40	0.40	0.12	0.12
N08-C002	0.29	0.29	0.40	0.40	0.12	0.12
N08-D001	0.29	0.29	0.40	0.40	0.12	0.12
N08-D002	0.29	0.29	0.40	0.40	0.12	0.12
N08-D003	0.29	0.29	0.40	0.40	0.12	0.12
N10-A001	0.29	0.29	0.40	0.40	0.12	0.12
N10-A002	0.29	0.29	0.40	0.40	0.12	0.12
N10-A003	0.29	0.29	0.40	0.40	0.12	0.12
N10-B001	0.29	0.29	0.40	0.40	0.12	0.12
N10-C001	0.29	0.29	0.40	0.40	0.12	0.12
N10-C002	0.29	0.29	0.40	0.40	0.12	0.12
N10-C003	0.29	0.29	0.40	0.40	0.12	0.12
N10-C004	0.29	0.29	0.40	0.40	0.12	0.12
N10-C005	0.29	0.29	0.40	0.40	0.12	0.12
N10-C006	0.29	0.29	0.40	0.40	0.12	0.12
N10-D001	0.29	0.29	0.40	0.40	0.12	0.12
N10-E001	0.29	0.29	0.40	0.40	0.12	0.12
N10-E002	0.29	0.29	0.40	0.40	0.12	0.12
N10-E003						

	0.29	0.29	0.40	0.40	0.12	0.12
N10-E004	0.29	0.29	0.40	0.40	0.12	0.12
N11-A001	0.29	0.29	0.40	0.40	0.12	0.12
N11-A002	0.29	0.29	0.40	0.40	0.12	0.12
N11-A003	0.29	0.29	0.40	0.40	0.12	0.12
N11-A004	0.29	0.29	0.40	0.40	0.12	0.12
N11-B001	0.29	0.29	0.40	0.40	0.12	0.12
N11-B002	0.29	0.29	0.40	0.40	0.12	0.12
N11-B003	0.29	0.29	0.40	0.40	0.12	0.12
N11-B004	0.29	0.29	0.40	0.40	0.12	0.12
N11-C001	0.29	0.29	0.40	0.40	0.12	0.12
N11-C002	0.29	0.29	0.40	0.40	0.12	0.12
N11-C003	0.29	0.29	0.40	0.40	0.12	0.12
N11-C004	0.29	0.29	0.40	0.40	0.12	0.12
N11-C005	0.29	0.29	0.40	0.40	0.12	0.12
N11-D001	0.29	0.29	0.40	0.40	0.12	0.12
N11-D002	0.29	0.29	0.40	0.40	0.12	0.12
N11-D003	0.29	0.29	0.40	0.40	0.12	0.12
N11-D004	0.29	0.29	0.40	0.40	0.12	0.12
N11-E001	0.29	0.29	0.40	0.40	0.12	0.12
N11-E002	0.29	0.29	0.40	0.40	0.12	0.12
N11-E003	0.29	0.29	0.40	0.40	0.12	0.12
N11-E004	0.29	0.29	0.40	0.40	0.12	0.12
S01-A002	0.29	0.29	0.40	0.40	0.12	0.12
S01-B001	0.29	0.29	0.40	0.40	0.12	0.12
S01-B002	0.29	0.29	0.40	0.40	0.12	0.12
S01-C001	0.29	0.29	0.40	0.40	0.12	0.12
S01-C002	0.29	0.29	0.40	0.40	0.12	0.12
S01-D001	0.29	0.29	0.40	0.40	0.12	0.12
S01-E002	0.29	0.29	0.40	0.40	0.12	0.12
S01-F001	0.29	0.29	0.40	0.40	0.12	0.12
S01-G001	0.29	0.29	0.40	0.40	0.12	0.12
S01-G002	0.29	0.29	0.40	0.40	0.12	0.12
S01-H001	0.29	0.29	0.40	0.40	0.12	0.12
S01-I001	0.29	0.29	0.40	0.40	0.12	0.12
S01-I002	0.29	0.29	0.40	0.40	0.12	0.12
S01-I003	0.29	0.29	0.40	0.40	0.12	0.12
S01-J001	0.29	0.29	0.40	0.40	0.12	0.12
S01-J002	0.29	0.29	0.40	0.40	0.12	0.12
S01-J003	0.29	0.29	0.40	0.40	0.12	0.12
S01-K001	0.29	0.29	0.40	0.40	0.12	0.12
S01-K002	0.29	0.29	0.40	0.40	0.12	0.12
S02-A001	0.29	0.29	0.40	0.40	0.12	0.12
S02-B001	0.29	0.29	0.40	0.40	0.12	0.12
S02-B002	0.29	0.29	0.40	0.40	0.12	0.12
S02-B003						

	0.29	0.29	0.40	0.40	0.12	0.12
S02-B004	0.29	0.29	0.40	0.40	0.12	0.12
S02-B005	0.29	0.29	0.40	0.40	0.12	0.12
S02-C001	0.29	0.29	0.40	0.40	0.12	0.12
S02-C002	0.29	0.29	0.40	0.40	0.12	0.12
S02-C003	0.29	0.29	0.40	0.40	0.12	0.12
S02-C004	0.29	0.29	0.40	0.40	0.12	0.12
S02-C005	0.29	0.29	0.40	0.40	0.12	0.12
S02-D001	0.29	0.29	0.40	0.40	0.12	0.12
S02-E002	0.29	0.29	0.40	0.40	0.12	0.12
S02-E003	0.29	0.29	0.40	0.40	0.12	0.12
S02-E004	0.29	0.29	0.40	0.40	0.12	0.12
S02-E005	0.29	0.29	0.40	0.40	0.12	0.12
S02-E006	0.29	0.29	0.40	0.40	0.12	0.12
S02-G001	0.29	0.29	0.40	0.40	0.12	0.12
S02-G002	0.29	0.29	0.40	0.40	0.12	0.12
S02-G003	0.29	0.29	0.40	0.40	0.12	0.12
S02-G004	0.29	0.29	0.40	0.40	0.12	0.12
S02-G005	0.29	0.29	0.40	0.40	0.12	0.12
S02-H001	0.29	0.29	0.40	0.40	0.12	0.12
S02-H002	0.29	0.29	0.40	0.40	0.12	0.12
S02-H003	0.29	0.29	0.40	0.40	0.12	0.12
S02-H004	0.29	0.29	0.40	0.40	0.12	0.12
S02-I001	0.29	0.29	0.40	0.40	0.12	0.12
S02-I002	0.29	0.29	0.40	0.40	0.12	0.12
S02-J001	0.29	0.29	0.40	0.40	0.12	0.12
S02-J002	0.29	0.29	0.40	0.40	0.12	0.12
S03-A001	0.29	0.29	0.40	0.40	0.12	0.12
S03-A002	0.29	0.29	0.40	0.40	0.12	0.12
S03-A003	0.29	0.29	0.40	0.40	0.12	0.12
S03-B001	0.29	0.29	0.40	0.40	0.12	0.12
S03-C001	0.29	0.29	0.40	0.40	0.12	0.12
S03-C002	0.29	0.29	0.40	0.40	0.12	0.12
S03-D001	0.29	0.29	0.40	0.40	0.12	0.12
S03-E001	0.29	0.29	0.40	0.40	0.12	0.12
S03-F001	0.29	0.29	0.40	0.40	0.12	0.12
S03-F002	0.29	0.29	0.40	0.40	0.12	0.12
S03-F003	0.29	0.29	0.40	0.40	0.12	0.12
S03-F004	0.29	0.29	0.40	0.40	0.12	0.12
S03-G001	0.29	0.29	0.40	0.40	0.12	0.12
S03-G002	0.29	0.29	0.40	0.40	0.12	0.12
S03-H001	0.29	0.29	0.40	0.40	0.12	0.12
S03-H002	0.29	0.29	0.40	0.40	0.12	0.12
S03-H003	0.29	0.29	0.40	0.40	0.12	0.12
S03-H004	0.29	0.29	0.40	0.40	0.12	0.12
S03-I001						

	0.29	0.29	0.40	0.40	0.12	0.12
S03-H006	0.29	0.29	0.40	0.40	0.12	0.12
S03-I001	0.29	0.29	0.40	0.40	0.12	0.12
S03-I002	0.29	0.29	0.40	0.40	0.12	0.12
S03-I003	0.29	0.29	0.40	0.40	0.12	0.12
S03-J001	0.29	0.29	0.40	0.40	0.12	0.12
S03-J002	0.29	0.29	0.40	0.40	0.12	0.12
S03-L001	0.29	0.29	0.40	0.40	0.12	0.12
S03-L002	0.29	0.29	0.40	0.40	0.12	0.12
S03-L003	0.29	0.29	0.40	0.40	0.12	0.12
S03-L004	0.29	0.29	0.40	0.40	0.12	0.12
S03-L005	0.29	0.29	0.40	0.40	0.12	0.12
S03-L006	0.29	0.29	0.40	0.40	0.12	0.12
S03-M001	0.29	0.29	0.40	0.40	0.12	0.12
S03-M002	0.29	0.29	0.40	0.40	0.12	0.12
S03-M003	0.29	0.29	0.40	0.40	0.12	0.12
S04-A001	0.29	0.29	0.40	0.40	0.12	0.12
S04-A002	0.29	0.29	0.40	0.40	0.12	0.12
S04-A003	0.29	0.29	0.40	0.40	0.12	0.12
S04-A004	0.29	0.29	0.40	0.40	0.12	0.12
S04-A005	0.29	0.29	0.40	0.40	0.12	0.12
S04-B001	0.29	0.29	0.40	0.40	0.12	0.12
S04-B002	0.29	0.29	0.40	0.40	0.12	0.12
S04-B003	0.29	0.29	0.40	0.40	0.12	0.12
S04-B004	0.29	0.29	0.40	0.40	0.12	0.12
S04-B005	0.29	0.29	0.40	0.40	0.12	0.12
S04-B006	0.29	0.29	0.40	0.40	0.12	0.12
S04-B007	0.29	0.29	0.40	0.40	0.12	0.12
S04-B008	0.29	0.29	0.40	0.40	0.12	0.12
S04-B009	0.29	0.29	0.40	0.40	0.12	0.12
S04-B010	0.29	0.29	0.40	0.40	0.12	0.12
S04-C001	0.29	0.29	0.40	0.40	0.12	0.12
S04-C002	0.29	0.29	0.40	0.40	0.12	0.12
S04-C003	0.29	0.29	0.40	0.40	0.12	0.12
S04-C004	0.29	0.29	0.40	0.40	0.12	0.12
S04-C005	0.29	0.29	0.40	0.40	0.12	0.12
S04-D001	0.29	0.29	0.40	0.40	0.12	0.12
S04-D002	0.29	0.29	0.40	0.40	0.12	0.12
S04-D003	0.29	0.29	0.40	0.40	0.12	0.12
S04-E001	0.29	0.29	0.40	0.40	0.12	0.12
S04-E002	0.29	0.29	0.40	0.40	0.12	0.12
S04-E003	0.29	0.29	0.40	0.40	0.12	0.12
S04-E004	0.29	0.29	0.40	0.40	0.12	0.12
S04-E005	0.29	0.29	0.40	0.40	0.12	0.12
S04-E006	0.29	0.29	0.40	0.40	0.12	0.12
S04-E007						

	0.29	0.29	0.40	0.40	0.12	0.12
S04-F001	0.29	0.29	0.40	0.40	0.12	0.12
S04-F002	0.29	0.29	0.40	0.40	0.12	0.12
S04-F003	0.29	0.29	0.40	0.40	0.12	0.12
S04-G001	0.29	0.29	0.40	0.40	0.12	0.12
S04-G002	0.29	0.29	0.40	0.40	0.12	0.12
S04-G003	0.29	0.29	0.40	0.40	0.12	0.12
S04-H001	0.29	0.29	0.40	0.40	0.12	0.12
S04-H002	0.29	0.29	0.40	0.40	0.12	0.12
S04-H003	0.29	0.29	0.40	0.40	0.12	0.12
S04-H004	0.29	0.29	0.40	0.40	0.12	0.12
S05-A001	0.29	0.29	0.40	0.40	0.12	0.12
S05-A002	0.29	0.29	0.40	0.40	0.12	0.12
S05-A003	0.29	0.29	0.40	0.40	0.12	0.12
S05-A004	0.29	0.29	0.40	0.40	0.12	0.12
S05-B001	0.29	0.29	0.40	0.40	0.12	0.12
S05-B002	0.29	0.29	0.40	0.40	0.12	0.12
S05-B003	0.29	0.29	0.40	0.40	0.12	0.12
S05-B004	0.29	0.29	0.40	0.40	0.12	0.12
S05-C001	0.29	0.29	0.40	0.40	0.12	0.12
S05-C002	0.29	0.29	0.40	0.40	0.12	0.12
S05-D001	0.29	0.29	0.40	0.40	0.12	0.12
S05-D002	0.29	0.29	0.40	0.40	0.12	0.12
S05-E001	0.29	0.29	0.40	0.40	0.12	0.12
S05-E002	0.29	0.29	0.40	0.40	0.12	0.12
S05-E003	0.29	0.29	0.40	0.40	0.12	0.12
S05-E004	0.29	0.29	0.40	0.40	0.12	0.12
S05-F001	0.29	0.29	0.40	0.40	0.12	0.12
S05-F002	0.29	0.29	0.40	0.40	0.12	0.12
S05-F003	0.29	0.29	0.40	0.40	0.12	0.12
S05-G001	0.29	0.29	0.40	0.40	0.12	0.12
S05-G002	0.29	0.29	0.40	0.40	0.12	0.12
S05-H001	0.29	0.29	0.40	0.40	0.12	0.12
S05-H002	0.29	0.29	0.40	0.40	0.12	0.12
S05-H003	0.29	0.29	0.40	0.40	0.12	0.12
S05-H004	0.29	0.29	0.40	0.40	0.12	0.12
S05-H005	0.29	0.29	0.40	0.40	0.12	0.12
S05-H006	0.29	0.29	0.40	0.40	0.12	0.12
S05-I001	0.29	0.29	0.40	0.40	0.12	0.12
S05-I002	0.29	0.29	0.40	0.40	0.12	0.12
S05-I003	0.29	0.29	0.40	0.40	0.12	0.12
S05-I004	0.29	0.29	0.40	0.40	0.12	0.12
S05-J001	0.29	0.29	0.40	0.40	0.12	0.12
S05-J002	0.29	0.29	0.40	0.40	0.12	0.12
S05-J003	0.29	0.29	0.40	0.40	0.12	0.12
S05-L001						

	0.29	0.29	0.40	0.40	0.12	0.12
S05-L002	0.29	0.29	0.40	0.40	0.12	0.12
S05-L003	0.29	0.29	0.40	0.40	0.12	0.12
P01-A001	0.29	0.29	0.40	0.40	0.12	0.12
P01-A002	0.29	0.29	0.40	0.40	0.12	0.12
P01-B001	0.29	0.29	0.40	0.40	0.12	0.12
P01-B002	0.29	0.29	0.40	0.40	0.12	0.12
P01-B003	0.29	0.29	0.40	0.40	0.12	0.12
P01-C001	0.29	0.29	0.40	0.40	0.12	0.12
P01-C002	0.29	0.29	0.40	0.40	0.12	0.12
P01-D001	0.29	0.29	0.40	0.40	0.12	0.12
P01-D002	0.29	0.29	0.40	0.40	0.12	0.12
P01-E001	0.29	0.29	0.40	0.40	0.12	0.12
P01-F001	0.29	0.29	0.40	0.40	0.12	0.12
P01-G001	0.29	0.29	0.40	0.40	0.12	0.12
P01-G002	0.29	0.29	0.40	0.40	0.12	0.12
P01-G003	0.29	0.29	0.40	0.40	0.12	0.12
P01-H001	0.29	0.29	0.40	0.40	0.12	0.12
P01-H002	0.29	0.29	0.40	0.40	0.12	0.12
P01-H003	0.29	0.29	0.40	0.40	0.12	0.12
P01-H004	0.29	0.29	0.40	0.40	0.12	0.12
P01-I001	0.29	0.29	0.40	0.40	0.12	0.12
P01-I002	0.29	0.29	0.40	0.40	0.12	0.12
P01-J001	0.29	0.29	0.40	0.40	0.12	0.12
P01-J002	0.29	0.29	0.40	0.40	0.12	0.12
P01-J003	0.29	0.29	0.40	0.40	0.12	0.12
P01-L001	0.29	0.29	0.40	0.40	0.12	0.12
S01-F002	0.29	0.29	0.40	0.40	0.12	0.12
S01-A001	0.29	0.29	0.40	0.40	0.12	0.12
N10-A004	0.29	0.29	0.40	0.40	0.12	0.12
S01-E001	0.29	0.29	0.40	0.40	0.12	0.12
S02-E001	0.29	0.29	0.40	0.40	0.12	0.12
S02-F008	0.29	0.29	0.40	0.40	0.12	0.12
S02-F001	0.29	0.29	0.40	0.40	0.12	0.12
S02-F002	0.29	0.29	0.40	0.40	0.12	0.12
S02-F003	0.29	0.29	0.40	0.40	0.12	0.12
S02-F004	0.29	0.29	0.40	0.40	0.12	0.12
S02-F005	0.29	0.29	0.40	0.40	0.12	0.12
S02-F006	0.29	0.29	0.40	0.40	0.12	0.12
S02-F007	0.29	0.29	0.40	0.40	0.12	0.12
S02-F009	0.29	0.29	0.40	0.40	0.12	0.12
N09_A001	0.29	0.29	0.40	0.40	0.12	0.12
N09_A002	0.29	0.29	0.40	0.40	0.12	0.12
N09_A003	0.29	0.29	0.40	0.40	0.12	0.12
N09_A004	0.29	0.29	0.40	0.40	0.12	0.12
N09_A005						

	0.29	0.29	0.40	0.40	0.12	0.12
N09_B001	0.29	0.29	0.40	0.40	0.12	0.12
N09_B002	0.29	0.29	0.40	0.40	0.12	0.12
N09_B003	0.29	0.29	0.40	0.40	0.12	0.12
N09_B004	0.29	0.29	0.40	0.40	0.12	0.12
N09_B005	0.29	0.29	0.40	0.40	0.12	0.12
N09_B006	0.29	0.29	0.40	0.40	0.12	0.12
N09_B007	0.29	0.29	0.40	0.40	0.12	0.12
N09_C001	0.29	0.29	0.40	0.40	0.12	0.12
N09_C002	0.29	0.29	0.40	0.40	0.12	0.12
N09_C003	0.29	0.29	0.40	0.40	0.12	0.12
N09_C004	0.29	0.29	0.40	0.40	0.12	0.12
N09_C005	0.29	0.29	0.40	0.40	0.12	0.12
N09_D001	0.29	0.29	0.40	0.40	0.12	0.12
N09_D002	0.29	0.29	0.40	0.40	0.12	0.12
N09_D003	0.29	0.29	0.40	0.40	0.12	0.12
N09_D004	0.29	0.29	0.40	0.40	0.12	0.12
N09_D005	0.29	0.29	0.40	0.40	0.12	0.12
N09_D006	0.29	0.29	0.40	0.40	0.12	0.12
N09_D007	0.29	0.29	0.40	0.40	0.12	0.12
N09_D008	0.29	0.29	0.40	0.40	0.12	0.12
N09_D009	0.29	0.29	0.40	0.40	0.12	0.12

Pipe Quality Summary						
Pipe Name	NC5		C6		CO2	
	%		%		%	
	Head	Tail	Head	Tail	Head	Tail
N01-A001	0.08	0.08	0.09	0.09	1.39	1.39
N01-B001	0.08	0.08	0.09	0.09	1.39	1.39
N02-A001	0.08	0.08	0.09	0.09	1.39	1.39
N02-B001	0.08	0.08	0.09	0.09	1.39	1.39
N02-C001	0.08	0.08	0.09	0.09	1.39	1.39
N02-D001	0.08	0.08	0.09	0.09	1.39	1.39
N02-E001	0.08	0.08	0.09	0.09	1.39	1.39
N03-A001	0.08	0.08	0.09	0.09	1.39	1.39
N03-B001	0.08	0.08	0.09	0.09	1.39	1.39
N03-C001	0.08	0.08	0.09	0.09	1.39	1.39
N03-D001	0.08	0.08	0.09	0.09	1.39	1.39
N03-E001	0.08	0.08	0.09	0.09	1.39	1.39
N04-A001	0.08	0.08	0.09	0.09	1.39	1.39
N04-A002	0.08	0.08	0.09	0.09	1.39	1.39
N04-A003	0.08	0.08	0.09	0.09	1.39	1.39
N04-B001	0.08	0.08	0.09	0.09	1.39	1.39
N04-C001	0.08	0.08	0.09	0.09	1.39	1.39

N04-C002	0.08	0.08	0.09	0.09	1.39	1.39
N04-C003	0.08	0.08	0.09	0.09	1.39	1.39
N04-D001	0.08	0.08	0.09	0.09	1.39	1.39
N05-A001	0.08	0.08	0.09	0.09	1.39	1.39
N05-B001	0.08	0.08	0.09	0.09	1.39	1.39
N05-B002	0.08	0.08	0.09	0.09	1.39	1.39
N05-B003	0.08	0.08	0.09	0.09	1.39	1.39
N05-B004	0.08	0.08	0.09	0.09	1.39	1.39
N05-C001	0.08	0.08	0.09	0.09	1.39	1.39
N05-D001	0.08	0.08	0.09	0.09	1.39	1.39
N06-A001	0.08	0.08	0.09	0.09	1.39	1.39
N06-A002	0.08	0.08	0.09	0.09	1.39	1.39
N06-B001	0.08	0.08	0.09	0.09	1.39	1.39
N06-B002	0.08	0.08	0.09	0.09	1.39	1.39
N06-C001	0.08	0.08	0.09	0.09	1.39	1.39
N06-D001	0.08	0.08	0.09	0.09	1.39	1.39
N06-E001	0.08	0.08	0.09	0.09	1.39	1.39
N07-A001	0.08	0.08	0.09	0.09	1.39	1.39
N07-B001	0.08	0.08	0.09	0.09	1.39	1.39
N07-B002	0.08	0.08	0.09	0.09	1.39	1.39
N07-C001	0.08	0.08	0.09	0.09	1.39	1.39
N07-C002	0.08	0.08	0.09	0.09	1.39	1.39
N07-D001	0.08	0.08	0.09	0.09	1.39	1.39
N07-E001	0.08	0.08	0.09	0.09	1.39	1.39
N08-A001	0.08	0.08	0.09	0.09	1.39	1.39
N08-B001	0.08	0.08	0.09	0.09	1.39	1.39
N08-B002	0.08	0.08	0.09	0.09	1.39	1.39
N08-C001	0.08	0.08	0.09	0.09	1.39	1.39
N08-C002	0.08	0.08	0.09	0.09	1.39	1.39
N08-D001	0.08	0.08	0.09	0.09	1.39	1.39
N08-D002	0.08	0.08	0.09	0.09	1.39	1.39
N08-D003	0.08	0.08	0.09	0.09	1.39	1.39
N10-A001	0.08	0.08	0.09	0.09	1.39	1.39
N10-A002	0.08	0.08	0.09	0.09	1.39	1.39
N10-A003	0.08	0.08	0.09	0.09	1.39	1.39
N10-B001	0.08	0.08	0.09	0.09	1.39	1.39
N10-C001	0.08	0.08	0.09	0.09	1.39	1.39
N10-C002	0.08	0.08	0.09	0.09	1.39	1.39
N10-C003	0.08	0.08	0.09	0.09	1.39	1.39
N10-C004	0.08	0.08	0.09	0.09	1.39	1.39
N10-C005	0.08	0.08	0.09	0.09	1.39	1.39
N10-C006	0.08	0.08	0.09	0.09	1.39	1.39
N10-D001	0.08	0.08	0.09	0.09	1.39	1.39
N10-E001	0.08	0.08	0.09	0.09	1.39	1.39
N10-E002	0.08	0.08	0.09	0.09	1.39	1.39
N10-E003						

	0.08	0.08	0.09	0.09	1.39	1.39
N10-E004	0.08	0.08	0.09	0.09	1.39	1.39
N11-A001	0.08	0.08	0.09	0.09	1.39	1.39
N11-A002	0.08	0.08	0.09	0.09	1.39	1.39
N11-A003	0.08	0.08	0.09	0.09	1.39	1.39
N11-A004	0.08	0.08	0.09	0.09	1.39	1.39
N11-B001	0.08	0.08	0.09	0.09	1.39	1.39
N11-B002	0.08	0.08	0.09	0.09	1.39	1.39
N11-B003	0.08	0.08	0.09	0.09	1.39	1.39
N11-B004	0.08	0.08	0.09	0.09	1.39	1.39
N11-C001	0.08	0.08	0.09	0.09	1.39	1.39
N11-C002	0.08	0.08	0.09	0.09	1.39	1.39
N11-C003	0.08	0.08	0.09	0.09	1.39	1.39
N11-C004	0.08	0.08	0.09	0.09	1.39	1.39
N11-C005	0.08	0.08	0.09	0.09	1.39	1.39
N11-D001	0.08	0.08	0.09	0.09	1.39	1.39
N11-D002	0.08	0.08	0.09	0.09	1.39	1.39
N11-D003	0.08	0.08	0.09	0.09	1.39	1.39
N11-D004	0.08	0.08	0.09	0.09	1.39	1.39
N11-E001	0.08	0.08	0.09	0.09	1.39	1.39
N11-E002	0.08	0.08	0.09	0.09	1.39	1.39
N11-E003	0.08	0.08	0.09	0.09	1.39	1.39
N11-E004	0.08	0.08	0.09	0.09	1.39	1.39
S01-A002	0.08	0.08	0.09	0.09	1.39	1.39
S01-B001	0.08	0.08	0.09	0.09	1.39	1.39
S01-B002	0.08	0.08	0.09	0.09	1.39	1.39
S01-C001	0.08	0.08	0.09	0.09	1.39	1.39
S01-C002	0.08	0.08	0.09	0.09	1.39	1.39
S01-D001	0.08	0.08	0.09	0.09	1.39	1.39
S01-E002	0.08	0.08	0.09	0.09	1.39	1.39
S01-F001	0.08	0.08	0.09	0.09	1.39	1.39
S01-G001	0.08	0.08	0.09	0.09	1.39	1.39
S01-G002	0.08	0.08	0.09	0.09	1.39	1.39
S01-H001	0.08	0.08	0.09	0.09	1.39	1.39
S01-I001	0.08	0.08	0.09	0.09	1.39	1.39
S01-I002	0.08	0.08	0.09	0.09	1.39	1.39
S01-I003	0.08	0.08	0.09	0.09	1.39	1.39
S01-J001	0.08	0.08	0.09	0.09	1.39	1.39
S01-J002	0.08	0.08	0.09	0.09	1.39	1.39
S01-J003	0.08	0.08	0.09	0.09	1.39	1.39
S01-K001	0.08	0.08	0.09	0.09	1.39	1.39
S01-K002	0.08	0.08	0.09	0.09	1.39	1.39
S02-A001	0.08	0.08	0.09	0.09	1.39	1.39
S02-B001	0.08	0.08	0.09	0.09	1.39	1.39
S02-B002	0.08	0.08	0.09	0.09	1.39	1.39
S02-B003						

	0.08	0.08	0.09	0.09	1.39	1.39
S02-B004	0.08	0.08	0.09	0.09	1.39	1.39
S02-B005	0.08	0.08	0.09	0.09	1.39	1.39
S02-C001	0.08	0.08	0.09	0.09	1.39	1.39
S02-C002	0.08	0.08	0.09	0.09	1.39	1.39
S02-C003	0.08	0.08	0.09	0.09	1.39	1.39
S02-C004	0.08	0.08	0.09	0.09	1.39	1.39
S02-C005	0.08	0.08	0.09	0.09	1.39	1.39
S02-D001	0.08	0.08	0.09	0.09	1.39	1.39
S02-E002	0.08	0.08	0.09	0.09	1.39	1.39
S02-E003	0.08	0.08	0.09	0.09	1.39	1.39
S02-E004	0.08	0.08	0.09	0.09	1.39	1.39
S02-E005	0.08	0.08	0.09	0.09	1.39	1.39
S02-E006	0.08	0.08	0.09	0.09	1.39	1.39
S02-G001	0.08	0.08	0.09	0.09	1.39	1.39
S02-G002	0.08	0.08	0.09	0.09	1.39	1.39
S02-G003	0.08	0.08	0.09	0.09	1.39	1.39
S02-G004	0.08	0.08	0.09	0.09	1.39	1.39
S02-G005	0.08	0.08	0.09	0.09	1.39	1.39
S02-H001	0.08	0.08	0.09	0.09	1.39	1.39
S02-H002	0.08	0.08	0.09	0.09	1.39	1.39
S02-H003	0.08	0.08	0.09	0.09	1.39	1.39
S02-H004	0.08	0.08	0.09	0.09	1.39	1.39
S02-I001	0.08	0.08	0.09	0.09	1.39	1.39
S02-I002	0.08	0.08	0.09	0.09	1.39	1.39
S02-J001	0.08	0.08	0.09	0.09	1.39	1.39
S02-J002	0.08	0.08	0.09	0.09	1.39	1.39
S03-A001	0.08	0.08	0.09	0.09	1.39	1.39
S03-A002	0.08	0.08	0.09	0.09	1.39	1.39
S03-A003	0.08	0.08	0.09	0.09	1.39	1.39
S03-B001	0.08	0.08	0.09	0.09	1.39	1.39
S03-C001	0.08	0.08	0.09	0.09	1.39	1.39
S03-C002	0.08	0.08	0.09	0.09	1.39	1.39
S03-D001	0.08	0.08	0.09	0.09	1.39	1.39
S03-E001	0.08	0.08	0.09	0.09	1.39	1.39
S03-F001	0.08	0.08	0.09	0.09	1.39	1.39
S03-F002	0.08	0.08	0.09	0.09	1.39	1.39
S03-F003	0.08	0.08	0.09	0.09	1.39	1.39
S03-F004	0.08	0.08	0.09	0.09	1.39	1.39
S03-G001	0.08	0.08	0.09	0.09	1.39	1.39
S03-G002	0.08	0.08	0.09	0.09	1.39	1.39
S03-H001	0.08	0.08	0.09	0.09	1.39	1.39
S03-H002	0.08	0.08	0.09	0.09	1.39	1.39
S03-H003	0.08	0.08	0.09	0.09	1.39	1.39
S03-H004	0.08	0.08	0.09	0.09	1.39	1.39
S03-I001						

	0.08	0.08	0.09	0.09	1.39	1.39
S03-H006	0.08	0.08	0.09	0.09	1.39	1.39
S03-I001	0.08	0.08	0.09	0.09	1.39	1.39
S03-I002	0.08	0.08	0.09	0.09	1.39	1.39
S03-I003	0.08	0.08	0.09	0.09	1.39	1.39
S03-J001	0.08	0.08	0.09	0.09	1.39	1.39
S03-J002	0.08	0.08	0.09	0.09	1.39	1.39
S03-L001	0.08	0.08	0.09	0.09	1.39	1.39
S03-L002	0.08	0.08	0.09	0.09	1.39	1.39
S03-L003	0.08	0.08	0.09	0.09	1.39	1.39
S03-L004	0.08	0.08	0.09	0.09	1.39	1.39
S03-L005	0.08	0.08	0.09	0.09	1.39	1.39
S03-L006	0.08	0.08	0.09	0.09	1.39	1.39
S03-M001	0.08	0.08	0.09	0.09	1.39	1.39
S03-M002	0.08	0.08	0.09	0.09	1.39	1.39
S03-M003	0.08	0.08	0.09	0.09	1.39	1.39
S04-A001	0.08	0.08	0.09	0.09	1.39	1.39
S04-A002	0.08	0.08	0.09	0.09	1.39	1.39
S04-A003	0.08	0.08	0.09	0.09	1.39	1.39
S04-A004	0.08	0.08	0.09	0.09	1.39	1.39
S04-A005	0.08	0.08	0.09	0.09	1.39	1.39
S04-B001	0.08	0.08	0.09	0.09	1.39	1.39
S04-B002	0.08	0.08	0.09	0.09	1.39	1.39
S04-B003	0.08	0.08	0.09	0.09	1.39	1.39
S04-B004	0.08	0.08	0.09	0.09	1.39	1.39
S04-B005	0.08	0.08	0.09	0.09	1.39	1.39
S04-B006	0.08	0.08	0.09	0.09	1.39	1.39
S04-B007	0.08	0.08	0.09	0.09	1.39	1.39
S04-B008	0.08	0.08	0.09	0.09	1.39	1.39
S04-B009	0.08	0.08	0.09	0.09	1.39	1.39
S04-B010	0.08	0.08	0.09	0.09	1.39	1.39
S04-C001	0.08	0.08	0.09	0.09	1.39	1.39
S04-C002	0.08	0.08	0.09	0.09	1.39	1.39
S04-C003	0.08	0.08	0.09	0.09	1.39	1.39
S04-C004	0.08	0.08	0.09	0.09	1.39	1.39
S04-C005	0.08	0.08	0.09	0.09	1.39	1.39
S04-D001	0.08	0.08	0.09	0.09	1.39	1.39
S04-D002	0.08	0.08	0.09	0.09	1.39	1.39
S04-D003	0.08	0.08	0.09	0.09	1.39	1.39
S04-E001	0.08	0.08	0.09	0.09	1.39	1.39
S04-E002	0.08	0.08	0.09	0.09	1.39	1.39
S04-E003	0.08	0.08	0.09	0.09	1.39	1.39
S04-E004	0.08	0.08	0.09	0.09	1.39	1.39
S04-E005	0.08	0.08	0.09	0.09	1.39	1.39
S04-E006	0.08	0.08	0.09	0.09	1.39	1.39
S04-E007						

	0.08	0.08	0.09	0.09	1.39	1.39
S04-F001	0.08	0.08	0.09	0.09	1.39	1.39
S04-F002	0.08	0.08	0.09	0.09	1.39	1.39
S04-F003	0.08	0.08	0.09	0.09	1.39	1.39
S04-G001	0.08	0.08	0.09	0.09	1.39	1.39
S04-G002	0.08	0.08	0.09	0.09	1.39	1.39
S04-G003	0.08	0.08	0.09	0.09	1.39	1.39
S04-H001	0.08	0.08	0.09	0.09	1.39	1.39
S04-H002	0.08	0.08	0.09	0.09	1.39	1.39
S04-H003	0.08	0.08	0.09	0.09	1.39	1.39
S04-H004	0.08	0.08	0.09	0.09	1.39	1.39
S05-A001	0.08	0.08	0.09	0.09	1.39	1.39
S05-A002	0.08	0.08	0.09	0.09	1.39	1.39
S05-A003	0.08	0.08	0.09	0.09	1.39	1.39
S05-A004	0.08	0.08	0.09	0.09	1.39	1.39
S05-B001	0.08	0.08	0.09	0.09	1.39	1.39
S05-B002	0.08	0.08	0.09	0.09	1.39	1.39
S05-B003	0.08	0.08	0.09	0.09	1.39	1.39
S05-B004	0.08	0.08	0.09	0.09	1.39	1.39
S05-C001	0.08	0.08	0.09	0.09	1.39	1.39
S05-C002	0.08	0.08	0.09	0.09	1.39	1.39
S05-D001	0.08	0.08	0.09	0.09	1.39	1.39
S05-D002	0.08	0.08	0.09	0.09	1.39	1.39
S05-E001	0.08	0.08	0.09	0.09	1.39	1.39
S05-E002	0.08	0.08	0.09	0.09	1.39	1.39
S05-E003	0.08	0.08	0.09	0.09	1.39	1.39
S05-E004	0.08	0.08	0.09	0.09	1.39	1.39
S05-F001	0.08	0.08	0.09	0.09	1.39	1.39
S05-F002	0.08	0.08	0.09	0.09	1.39	1.39
S05-F003	0.08	0.08	0.09	0.09	1.39	1.39
S05-G001	0.08	0.08	0.09	0.09	1.39	1.39
S05-G002	0.08	0.08	0.09	0.09	1.39	1.39
S05-H001	0.08	0.08	0.09	0.09	1.39	1.39
S05-H002	0.08	0.08	0.09	0.09	1.39	1.39
S05-H003	0.08	0.08	0.09	0.09	1.39	1.39
S05-H004	0.08	0.08	0.09	0.09	1.39	1.39
S05-H005	0.08	0.08	0.09	0.09	1.39	1.39
S05-H006	0.08	0.08	0.09	0.09	1.39	1.39
S05-I001	0.08	0.08	0.09	0.09	1.39	1.39
S05-I002	0.08	0.08	0.09	0.09	1.39	1.39
S05-I003	0.08	0.08	0.09	0.09	1.39	1.39
S05-I004	0.08	0.08	0.09	0.09	1.39	1.39
S05-J001	0.08	0.08	0.09	0.09	1.39	1.39
S05-J002	0.08	0.08	0.09	0.09	1.39	1.39
S05-J003	0.08	0.08	0.09	0.09	1.39	1.39
S05-L001						

	0.08	0.08	0.09	0.09	1.39	1.39
S05-L002	0.08	0.08	0.09	0.09	1.39	1.39
S05-L003	0.08	0.08	0.09	0.09	1.39	1.39
P01-A001	0.08	0.08	0.09	0.09	1.39	1.39
P01-A002	0.08	0.08	0.09	0.09	1.39	1.39
P01-B001	0.08	0.08	0.09	0.09	1.39	1.39
P01-B002	0.08	0.08	0.09	0.09	1.39	1.39
P01-B003	0.08	0.08	0.09	0.09	1.39	1.39
P01-C001	0.08	0.08	0.09	0.09	1.39	1.39
P01-C002	0.08	0.08	0.09	0.09	1.39	1.39
P01-D001	0.08	0.08	0.09	0.09	1.39	1.39
P01-D002	0.08	0.08	0.09	0.09	1.39	1.39
P01-E001	0.08	0.08	0.09	0.09	1.39	1.39
P01-F001	0.08	0.08	0.09	0.09	1.39	1.39
P01-G001	0.08	0.08	0.09	0.09	1.39	1.39
P01-G002	0.08	0.08	0.09	0.09	1.39	1.39
P01-G003	0.08	0.08	0.09	0.09	1.39	1.39
P01-H001	0.08	0.08	0.09	0.09	1.39	1.39
P01-H002	0.08	0.08	0.09	0.09	1.39	1.39
P01-H003	0.08	0.08	0.09	0.09	1.39	1.39
P01-H004	0.08	0.08	0.09	0.09	1.39	1.39
P01-I001	0.08	0.08	0.09	0.09	1.39	1.39
P01-I002	0.08	0.08	0.09	0.09	1.39	1.39
P01-J001	0.08	0.08	0.09	0.09	1.39	1.39
P01-J002	0.08	0.08	0.09	0.09	1.39	1.39
P01-J003	0.08	0.08	0.09	0.09	1.39	1.39
P01-L001	0.08	0.08	0.09	0.09	1.39	1.39
S01-F002	0.08	0.08	0.09	0.09	1.39	1.39
S01-A001	0.08	0.08	0.09	0.09	1.39	1.39
N10-A004	0.08	0.08	0.09	0.09	1.39	1.39
S01-E001	0.08	0.08	0.09	0.09	1.39	1.39
S02-E001	0.08	0.08	0.09	0.09	1.39	1.39
S02-F008	0.08	0.08	0.09	0.09	1.39	1.39
S02-F001	0.08	0.08	0.09	0.09	1.39	1.39
S02-F002	0.08	0.08	0.09	0.09	1.39	1.39
S02-F003	0.08	0.08	0.09	0.09	1.39	1.39
S02-F004	0.08	0.08	0.09	0.09	1.39	1.39
S02-F005	0.08	0.08	0.09	0.09	1.39	1.39
S02-F006	0.08	0.08	0.09	0.09	1.39	1.39
S02-F007	0.08	0.08	0.09	0.09	1.39	1.39
S02-F009	0.08	0.08	0.09	0.09	1.39	1.39
N09_A001	0.08	0.08	0.09	0.09	1.39	1.39
N09_A002	0.08	0.08	0.09	0.09	1.39	1.39
N09_A003	0.08	0.08	0.09	0.09	1.39	1.39
N09_A004	0.08	0.08	0.09	0.09	1.39	1.39
N09_A005						

	0.08	0.08	0.09	0.09	1.39	1.39
N09_B001	0.08	0.08	0.09	0.09	1.39	1.39
N09_B002	0.08	0.08	0.09	0.09	1.39	1.39
N09_B003	0.08	0.08	0.09	0.09	1.39	1.39
N09_B004	0.08	0.08	0.09	0.09	1.39	1.39
N09_B005	0.08	0.08	0.09	0.09	1.39	1.39
N09_B006	0.08	0.08	0.09	0.09	1.39	1.39
N09_B007	0.08	0.08	0.09	0.09	1.39	1.39
N09_C001	0.08	0.08	0.09	0.09	1.39	1.39
N09_C002	0.08	0.08	0.09	0.09	1.39	1.39
N09_C003	0.08	0.08	0.09	0.09	1.39	1.39
N09_C004	0.08	0.08	0.09	0.09	1.39	1.39
N09_C005	0.08	0.08	0.09	0.09	1.39	1.39
N09_D001	0.08	0.08	0.09	0.09	1.39	1.39
N09_D002	0.08	0.08	0.09	0.09	1.39	1.39
N09_D003	0.08	0.08	0.09	0.09	1.39	1.39
N09_D004	0.08	0.08	0.09	0.09	1.39	1.39
N09_D005	0.08	0.08	0.09	0.09	1.39	1.39
N09_D006	0.08	0.08	0.09	0.09	1.39	1.39
N09_D007	0.08	0.08	0.09	0.09	1.39	1.39
N09_D008	0.08	0.08	0.09	0.09	1.39	1.39
N09_D009	0.08	0.08	0.09	0.09	1.39	1.39

Pipe Quality Summary				
Pipe Name	N2		O2	
	%		%	
	Head	Tail	Head	Tail
N01-A001	0.71	0.71	0.01	0.01
N01-B001	0.71	0.71	0.01	0.01
N02-A001	0.71	0.71	0.01	0.01
N02-B001	0.71	0.71	0.01	0.01
N02-C001	0.71	0.71	0.01	0.01
N02-D001	0.71	0.71	0.01	0.01
N02-E001	0.71	0.71	0.01	0.01
N03-A001	0.71	0.71	0.01	0.01
N03-B001	0.71	0.71	0.01	0.01
N03-C001	0.71	0.71	0.01	0.01
N03-D001	0.71	0.71	0.01	0.01
N03-E001	0.71	0.71	0.01	0.01
N04-A001	0.71	0.71	0.01	0.01
N04-A002	0.71	0.71	0.01	0.01
N04-A003	0.71	0.71	0.01	0.01
N04-B001	0.71	0.71	0.01	0.01
N04-C001	0.71	0.71	0.01	0.01

N04-C002	0.71	0.71	0.01	0.01
N04-C003	0.71	0.71	0.01	0.01
N04-D001	0.71	0.71	0.01	0.01
N05-A001	0.71	0.71	0.01	0.01
N05-B001	0.71	0.71	0.01	0.01
N05-B002	0.71	0.71	0.01	0.01
N05-B003	0.71	0.71	0.01	0.01
N05-B004	0.71	0.71	0.01	0.01
N05-C001	0.71	0.71	0.01	0.01
N05-D001	0.71	0.71	0.01	0.01
N06-A001	0.71	0.71	0.01	0.01
N06-A002	0.71	0.71	0.01	0.01
N06-B001	0.71	0.71	0.01	0.01
N06-B002	0.71	0.71	0.01	0.01
N06-C001	0.71	0.71	0.01	0.01
N06-D001	0.71	0.71	0.01	0.01
N06-E001	0.71	0.71	0.01	0.01
N07-A001	0.71	0.71	0.01	0.01
N07-B001	0.71	0.71	0.01	0.01
N07-B002	0.71	0.71	0.01	0.01
N07-C001	0.71	0.71	0.01	0.01
N07-C002	0.71	0.71	0.01	0.01
N07-D001	0.71	0.71	0.01	0.01
N07-E001	0.71	0.71	0.01	0.01
N08-A001	0.71	0.71	0.01	0.01
N08-B001	0.71	0.71	0.01	0.01
N08-B002	0.71	0.71	0.01	0.01
N08-C001	0.71	0.71	0.01	0.01
N08-C002	0.71	0.71	0.01	0.01
N08-D001	0.71	0.71	0.01	0.01
N08-D002	0.71	0.71	0.01	0.01
N08-D003	0.71	0.71	0.01	0.01
N10-A001	0.71	0.71	0.01	0.01
N10-A002	0.71	0.71	0.01	0.01
N10-A003	0.71	0.71	0.01	0.01
N10-B001	0.71	0.71	0.01	0.01
N10-C001	0.71	0.71	0.01	0.01
N10-C002	0.71	0.71	0.01	0.01
N10-C003	0.71	0.71	0.01	0.01
N10-C004	0.71	0.71	0.01	0.01
N10-C005	0.71	0.71	0.01	0.01
N10-C006	0.71	0.71	0.01	0.01
N10-D001	0.71	0.71	0.01	0.01
N10-E001	0.71	0.71	0.01	0.01
N10-E002	0.71	0.71	0.01	0.01
N10-E003				

	0.71	0.71	0.01	0.01
N10-E004	0.71	0.71	0.01	0.01
N11-A001	0.71	0.71	0.01	0.01
N11-A002	0.71	0.71	0.01	0.01
N11-A003	0.71	0.71	0.01	0.01
N11-A004	0.71	0.71	0.01	0.01
N11-B001	0.71	0.71	0.01	0.01
N11-B002	0.71	0.71	0.01	0.01
N11-B003	0.71	0.71	0.01	0.01
N11-B004	0.71	0.71	0.01	0.01
N11-C001	0.71	0.71	0.01	0.01
N11-C002	0.71	0.71	0.01	0.01
N11-C003	0.71	0.71	0.01	0.01
N11-C004	0.71	0.71	0.01	0.01
N11-C005	0.71	0.71	0.01	0.01
N11-D001	0.71	0.71	0.01	0.01
N11-D002	0.71	0.71	0.01	0.01
N11-D003	0.71	0.71	0.01	0.01
N11-D004	0.71	0.71	0.01	0.01
N11-E001	0.71	0.71	0.01	0.01
N11-E002	0.71	0.71	0.01	0.01
N11-E003	0.71	0.71	0.01	0.01
N11-E004	0.71	0.71	0.01	0.01
S01-A002	0.71	0.71	0.01	0.01
S01-B001	0.71	0.71	0.01	0.01
S01-B002	0.71	0.71	0.01	0.01
S01-C001	0.71	0.71	0.01	0.01
S01-C002	0.71	0.71	0.01	0.01
S01-D001	0.71	0.71	0.01	0.01
S01-E002	0.71	0.71	0.01	0.01
S01-F001	0.71	0.71	0.01	0.01
S01-G001	0.71	0.71	0.01	0.01
S01-G002	0.71	0.71	0.01	0.01
S01-H001	0.71	0.71	0.01	0.01
S01-I001	0.71	0.71	0.01	0.01
S01-I002	0.71	0.71	0.01	0.01
S01-I003	0.71	0.71	0.01	0.01
S01-J001	0.71	0.71	0.01	0.01
S01-J002	0.71	0.71	0.01	0.01
S01-J003	0.71	0.71	0.01	0.01
S01-K001	0.71	0.71	0.01	0.01
S01-K002	0.71	0.71	0.01	0.01
S02-A001	0.71	0.71	0.01	0.01
S02-B001	0.71	0.71	0.01	0.01
S02-B002	0.71	0.71	0.01	0.01
S02-B003				

	0.71	0.71	0.01	0.01
S02-B004	0.71	0.71	0.01	0.01
S02-B005	0.71	0.71	0.01	0.01
S02-C001	0.71	0.71	0.01	0.01
S02-C002	0.71	0.71	0.01	0.01
S02-C003	0.71	0.71	0.01	0.01
S02-C004	0.71	0.71	0.01	0.01
S02-C005	0.71	0.71	0.01	0.01
S02-D001	0.71	0.71	0.01	0.01
S02-E002	0.71	0.71	0.01	0.01
S02-E003	0.71	0.71	0.01	0.01
S02-E004	0.71	0.71	0.01	0.01
S02-E005	0.71	0.71	0.01	0.01
S02-E006	0.71	0.71	0.01	0.01
S02-G001	0.71	0.71	0.01	0.01
S02-G002	0.71	0.71	0.01	0.01
S02-G003	0.71	0.71	0.01	0.01
S02-G004	0.71	0.71	0.01	0.01
S02-G005	0.71	0.71	0.01	0.01
S02-H001	0.71	0.71	0.01	0.01
S02-H002	0.71	0.71	0.01	0.01
S02-H003	0.71	0.71	0.01	0.01
S02-H004	0.71	0.71	0.01	0.01
S02-I001	0.71	0.71	0.01	0.01
S02-I002	0.71	0.71	0.01	0.01
S02-J001	0.71	0.71	0.01	0.01
S02-J002	0.71	0.71	0.01	0.01
S03-A001	0.71	0.71	0.01	0.01
S03-A002	0.71	0.71	0.01	0.01
S03-A003	0.71	0.71	0.01	0.01
S03-B001	0.71	0.71	0.01	0.01
S03-C001	0.71	0.71	0.01	0.01
S03-C002	0.71	0.71	0.01	0.01
S03-D001	0.71	0.71	0.01	0.01
S03-E001	0.71	0.71	0.01	0.01
S03-F001	0.71	0.71	0.01	0.01
S03-F002	0.71	0.71	0.01	0.01
S03-F003	0.71	0.71	0.01	0.01
S03-F004	0.71	0.71	0.01	0.01
S03-G001	0.71	0.71	0.01	0.01
S03-G002	0.71	0.71	0.01	0.01
S03-H001	0.71	0.71	0.01	0.01
S03-H002	0.71	0.71	0.01	0.01
S03-H003	0.71	0.71	0.01	0.01
S03-H004	0.71	0.71	0.01	0.01
S03-I001				

	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
S01-F002	0.71	0.71	0.01	0.01
S01-A001	0.71	0.71	0.01	0.01
N10-A004	0.71	0.71	0.01	0.01
S01-E001	0.71	0.71	0.01	0.01
S02-E001	0.71	0.71	0.01	0.01
S02-F008	0.71	0.71	0.01	0.01
S02-F001	0.71	0.71	0.01	0.01
S02-F002	0.71	0.71	0.01	0.01
S02-F003	0.71	0.71	0.01	0.01
S02-F004	0.71	0.71	0.01	0.01
S02-F005	0.71	0.71	0.01	0.01
S02-F006	0.71	0.71	0.01	0.01
S02-F007	0.71	0.71	0.01	0.01
S02-F009	0.71	0.71	0.01	0.01
N09_A001	0.71	0.71	0.01	0.01
N09_A002	0.71	0.71	0.01	0.01
N09_A003	0.71	0.71	0.01	0.01
N09_A004	0.71	0.71	0.01	0.01
N09_A005				

	0.71	0.71	0.01	0.01
N09_B001	0.71	0.71	0.01	0.01
N09_B002	0.71	0.71	0.01	0.01
N09_B003	0.71	0.71	0.01	0.01
N09_B004	0.71	0.71	0.01	0.01
N09_B005	0.71	0.71	0.01	0.01
N09_B006	0.71	0.71	0.01	0.01
N09_B007	0.71	0.71	0.01	0.01
N09_C001	0.71	0.71	0.01	0.01
N09_C002	0.71	0.71	0.01	0.01
N09_C003	0.71	0.71	0.01	0.01
N09_C004	0.71	0.71	0.01	0.01
N09_C005	0.71	0.71	0.01	0.01
N09_D001	0.71	0.71	0.01	0.01
N09_D002	0.71	0.71	0.01	0.01
N09_D003	0.71	0.71	0.01	0.01
N09_D004	0.71	0.71	0.01	0.01
N09_D005	0.71	0.71	0.01	0.01
N09_D006	0.71	0.71	0.01	0.01
N09_D007	0.71	0.71	0.01	0.01
N09_D008	0.71	0.71	0.01	0.01
N09_D009	0.71	0.71	0.01	0.01

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

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
N01-A001	Head	51.70	51.70	51.63	28.00
	Tail	45.91	45.91	45.86	28.00
N01-B001	Head	45.91	45.91	45.86	28.00
	Tail	42.20	42.20	42.16	28.00
N02-A001	Head	48.00	48.00	47.94	28.00
	Tail	45.95	45.95	45.90	28.00
N02-B001	Head	45.95	45.95	45.90	28.00
	Tail	42.06	42.06	42.02	28.00
N02-C001	Head	42.06	42.06	42.02	28.00
	Tail	38.25	38.25	38.21	28.00
N02-D001	Head	38.25	38.25	38.21	28.00
	Tail	34.80	34.80	34.78	28.00

N02-E001	Head	34.80	34.80	34.78	28.00
	Tail	31.35	31.35	31.34	28.00
N03-A001	Head	48.00	48.00	47.94	28.00
	Tail	44.06	44.06	44.01	28.00
N03-B001	Head	44.06	44.06	44.01	28.00
	Tail	40.08	40.08	40.04	28.00
N03-C001	Head	40.08	40.08	40.04	28.00
	Tail	36.74	36.74	36.71	28.00
N03-D001	Head	36.74	36.74	36.71	28.00
	Tail	33.85	33.85	33.83	28.00
N03-E001	Head	33.85	33.85	33.83	28.00
	Tail	31.50	31.50	31.49	28.00
N04-A001	Head	48.00	48.00	47.94	28.00
	Tail	45.72	45.72	45.66	28.00
N04-A002	Head	45.72	45.72	45.66	28.00
	Tail	44.90	44.90	44.85	28.00
N04-A003	Head	44.90	44.90	44.85	28.00
	Tail	44.39	44.39	44.34	28.00
N04-B001	Head	44.39	44.39	44.34	28.00
	Tail	40.00	40.00	39.96	28.00
N04-C001	Head	40.00	40.00	39.96	28.00
	Tail	39.32	39.32	39.29	28.00
N04-C002	Head	39.32	39.32	39.29	28.00
	Tail	37.43	37.43	37.40	28.00
N04-C003	Head	37.43	37.43	37.40	28.00
	Tail	36.24	36.24	36.21	28.00
N04-D001	Head	36.24	36.24	36.21	28.00
	Tail	31.74	31.74	31.73	28.00
N05-A001	Head	48.00	48.00	47.94	28.00
	Tail	42.08	42.08	42.04	28.00
N05-B001	Head	42.08	42.08	42.04	28.00
	Tail	40.59	40.59	40.55	28.00
N05-B002	Head	40.59	40.59	40.55	28.00
	Tail	39.03	39.03	39.00	28.00
N05-B003	Head	39.03	39.03	39.00	28.00
	Tail	38.95	38.95	38.91	28.00
N05-B004	Head	38.95	38.95	38.91	28.00
	Tail	37.43	37.43	37.40	28.00
N05-C001	Head	37.43	37.43	37.40	28.00
	Tail	33.89	33.89	33.87	28.00
N05-D001	Head	33.89	33.89	33.87	28.00
	Tail	31.35	31.35	31.34	28.00
N06-A001	Head	48.00	48.00	47.94	28.00
	Tail	48.05	48.05	47.99	28.00
N06-A002	Head	48.05	48.05	47.99	28.00

	Tail	42.79	42.79	42.75	28.00
N06-B001	Head	42.79	42.79	42.75	28.00
	Tail	41.74	41.74	41.69	28.00
N06-B002	Head	41.74	41.74	41.69	28.00
	Tail	38.55	38.55	38.52	28.00
N06-C001	Head	38.55	38.55	38.52	28.00
	Tail	35.87	35.87	35.84	28.00
N06-D001	Head	35.87	35.87	35.84	28.00
	Tail	33.28	33.28	33.26	28.00
N06-E001	Head	33.28	33.28	33.26	28.00
	Tail	31.04	31.04	31.03	28.00
N07-A001	Head	48.00	48.00	47.94	28.00
	Tail	43.37	43.37	43.32	28.00
N07-B001	Head	43.37	43.37	43.32	28.00
	Tail	41.20	41.20	41.16	28.00
N07-B002	Head	41.20	41.20	41.15	26.00
	Tail	39.48	39.48	39.44	26.00
N07-C001	Head	39.48	39.48	39.44	26.00
	Tail	38.22	38.22	38.17	26.00
N07-C002	Head	38.22	38.22	38.17	26.00
	Tail	35.26	35.26	35.23	26.00
N07-D001	Head	35.26	35.26	35.23	26.00
	Tail	32.41	32.41	32.39	26.00
N07-E001	Head	32.41	32.41	32.39	26.00
	Tail	30.26	30.26	30.24	26.00
N08-A001	Head	48.00	48.00	47.92	26.00
	Tail	42.57	42.57	42.52	26.00
N08-B001	Head	42.57	42.57	42.52	26.00
	Tail	39.05	39.05	39.00	26.00
N08-B002	Head	39.05	39.05	39.00	26.00
	Tail	37.52	37.52	37.48	26.00
N08-C001	Head	37.52	37.52	37.48	26.00
	Tail	35.94	35.94	35.91	26.00
N08-C002	Head	35.94	35.94	35.91	26.00
	Tail	34.40	34.40	34.37	26.00
N08-D001	Head	34.40	34.40	34.37	26.00
	Tail	33.71	33.71	33.68	26.00
N08-D002	Head	33.71	33.71	33.68	26.00
	Tail	33.39	33.39	33.37	26.00
N08-D003	Head	33.39	33.39	33.37	26.00
	Tail	31.51	31.51	31.49	26.00
N10-A001	Head	45.10	45.10	45.03	26.00
	Tail	44.73	44.73	44.67	26.00
N10-A002	Head	44.73	44.73	44.67	26.00
	Tail	43.25	43.25	43.19	26.00

N10-A003	Head	43.25	43.25	43.19	26.00
	Tail	41.58	41.58	41.53	26.00
N10-B001	Head	40.59	40.59	40.54	26.00
	Tail	37.22	37.22	37.18	26.00
N10-C001	Head	37.22	37.22	37.18	26.00
	Tail	36.87	36.87	36.83	26.00
N10-C002	Head	36.87	36.87	36.83	26.00
	Tail	35.39	35.39	35.35	26.00
N10-C003	Head	35.39	35.39	35.35	26.00
	Tail	34.64	34.64	34.61	26.00
N10-C004	Head	34.64	34.64	34.61	26.00
	Tail	33.90	33.90	33.87	26.00
N10-C005	Head	33.90	33.90	33.87	26.00
	Tail	34.13	34.13	34.10	26.00
N10-C006	Head	34.13	34.13	34.10	26.00
	Tail	33.89	33.89	33.86	26.00
N10-D001	Head	33.89	33.89	33.86	26.00
	Tail	29.95	29.95	29.93	26.00
N10-E001	Head	29.95	29.95	29.94	28.00
	Tail	30.34	30.34	30.33	28.00
N10-E002	Head	30.34	30.34	30.33	28.00
	Tail	29.58	29.58	29.58	28.00
N10-E003	Head	29.58	29.58	29.58	28.00
	Tail	30.38	30.38	30.37	28.00
N10-E004	Head	30.38	30.38	30.37	28.00
	Tail	29.02	29.02	29.02	28.00
N11-A001	Head	44.66	44.66	44.60	28.00
	Tail	43.01	43.01	42.96	28.00
N11-A002	Head	43.01	43.01	42.95	28.00
	Tail	42.82	42.82	42.77	28.00
N11-A003	Head	42.82	42.82	42.77	28.00
	Tail	42.83	42.83	42.78	28.00
N11-A004	Head	42.83	42.83	42.78	28.00
	Tail	40.33	40.33	40.28	28.00
N11-B001	Head	40.33	40.33	40.28	28.00
	Tail	39.58	39.58	39.54	28.00
N11-B002	Head	39.58	39.58	39.54	28.00
	Tail	40.42	40.42	40.37	28.00
N11-B003	Head	40.42	40.42	40.37	28.00
	Tail	39.05	39.05	39.00	28.00
N11-B004	Head	39.05	39.05	39.00	28.00
	Tail	38.35	38.35	38.31	28.00
N11-C001	Head	38.35	38.35	38.30	26.00
	Tail	38.41	38.41	38.36	26.00
N11-C002	Head	38.41	38.41	38.36	26.00

	Tail	38.21	38.21	38.16	26.00
N11-C003	Head	38.21	38.21	38.16	26.00
	Tail	37.04	37.04	37.00	26.00
N11-C004	Head	37.04	37.04	37.00	26.00
	Tail	34.82	34.82	34.78	26.00
N11-C005	Head	34.82	34.82	34.78	26.00
	Tail	34.88	34.88	34.84	26.00
N11-D001	Head	34.88	34.88	34.84	26.00
	Tail	34.63	34.63	34.59	26.00
N11-D002	Head	34.63	34.63	34.59	26.00
	Tail	34.72	34.72	34.68	26.00
N11-D003	Head	34.72	34.72	34.68	26.00
	Tail	33.54	33.54	33.51	26.00
N11-D004	Head	33.54	33.54	33.51	26.00
	Tail	32.73	32.73	32.70	26.00
N11-E001	Head	32.73	32.73	32.70	26.00
	Tail	32.68	32.68	32.65	26.00
N11-E002	Head	32.68	32.68	32.65	26.00
	Tail	32.56	32.56	32.53	26.00
N11-E003	Head	32.56	32.56	32.53	26.00
	Tail	31.58	31.58	31.56	26.00
N11-E004	Head	31.58	31.58	31.56	26.00
	Tail	30.94	30.94	30.92	26.00
S01-A002	Head	39.30	39.30	39.24	26.00
	Tail	37.33	37.33	37.28	26.00
S01-B001	Head	37.33	37.33	37.28	26.00
	Tail	36.26	36.26	36.21	26.00
S01-B002	Head	36.26	36.26	36.21	26.00
	Tail	35.20	35.20	35.16	26.00
S01-C001	Head	35.20	35.20	35.16	26.00
	Tail	33.93	33.93	33.89	26.00
S01-C002	Head	33.93	33.93	33.89	26.00
	Tail	33.75	33.75	33.70	26.00
S01-D001	Head	33.75	33.75	33.70	26.00
	Tail	31.31	31.31	31.29	26.00
S01-E002	Head	30.48	30.48	30.45	26.00
	Tail	29.10	29.10	29.08	26.00
S01-F001	Head	29.10	29.10	29.08	26.00
	Tail	27.82	27.82	27.81	26.00
S01-G001	Head	26.73	26.73	26.73	26.00
	Tail	26.89	26.89	26.89	26.00
S01-G002	Head	26.89	26.89	26.89	26.00
	Tail	26.04	26.04	26.04	26.00
S01-H001	Head	26.04	26.04	26.04	26.00
	Tail	25.97	25.97	25.97	26.00

S01-I001	Head	25.97	25.97	25.97	26.00
	Tail	25.97	25.97	25.97	26.00
S01-I002	Head	25.97	25.97	25.97	26.00
	Tail	25.25	25.25	25.25	26.00
S01-I003	Head	25.25	25.25	25.25	26.00
	Tail	25.53	25.53	25.53	26.00
S01-J001	Head	25.53	25.53	25.53	26.00
	Tail	25.60	25.60	25.60	26.00
S01-J002	Head	25.60	25.60	25.60	26.00
	Tail	24.90	24.90	24.91	26.00
S01-J003	Head	24.90	24.90	24.91	26.00
	Tail	25.34	25.34	25.34	26.00
S01-K001	Head	25.34	25.34	25.34	26.00
	Tail	25.91	25.91	25.91	26.00
S01-K002	Head	25.91	25.91	25.91	26.00
	Tail	25.37	25.37	25.38	26.00
S02-A001	Head	37.77	37.77	37.68	24.00
	Tail	30.88	30.88	30.84	24.00
S02-B001	Head	30.88	30.88	30.84	24.00
	Tail	30.87	30.87	30.82	24.00
S02-B002	Head	30.87	30.87	30.82	24.00
	Tail	29.67	29.67	29.63	24.00
S02-B003	Head	29.67	29.67	29.63	24.00
	Tail	29.33	29.33	29.29	24.00
S02-B004	Head	29.33	29.33	29.29	24.00
	Tail	27.79	27.79	27.76	24.00
S02-B005	Head	27.79	27.79	27.76	24.00
	Tail	27.51	27.51	27.48	24.00
S02-C001	Head	27.51	27.51	27.48	24.00
	Tail	27.44	27.44	27.42	24.00
S02-C002	Head	27.44	27.44	27.42	24.00
	Tail	26.08	26.08	26.07	24.00
S02-C003	Head	26.08	26.08	26.07	24.00
	Tail	26.43	26.43	26.42	24.00
S02-C004	Head	26.43	26.43	26.42	24.00
	Tail	25.49	25.49	25.48	24.00
S02-C005	Head	25.49	25.49	25.48	24.00
	Tail	25.63	25.63	25.62	24.00
S02-D001	Head	25.63	25.63	25.62	24.00
	Tail	25.00	25.00	24.99	24.00
S02-E002	Head	25.98	25.98	25.97	24.00
	Tail	24.76	24.76	24.76	24.00
S02-E003	Head	24.76	24.76	24.76	24.00
	Tail	25.19	25.19	25.19	24.00
S02-E004	Head	25.19	25.19	25.19	24.00

	Tail	23.65	23.65	23.66	24.00
S02-E005	Head	23.65	23.65	23.66	24.00
	Tail	24.88	24.88	24.87	24.00
S02-E006	Head	24.88	24.88	24.87	24.00
	Tail	24.18	24.18	24.18	24.00
S02-G001	Head	22.49	22.49	22.50	24.00
	Tail	23.97	23.97	23.97	24.00
S02-G002	Head	23.97	23.97	23.97	24.00
	Tail	22.28	22.28	22.29	24.00
S02-G003	Head	22.28	22.28	22.29	24.00
	Tail	23.28	23.28	23.29	24.00
S02-G004	Head	23.28	23.28	23.29	24.00
	Tail	22.35	22.35	22.36	24.00
S02-G005	Head	22.35	22.35	22.36	24.00
	Tail	21.76	21.76	21.78	24.00
S02-H001	Head	21.76	21.76	21.78	24.00
	Tail	23.25	23.25	23.25	24.00
S02-H002	Head	23.25	23.25	23.25	24.00
	Tail	21.79	21.79	21.81	24.00
S02-H003	Head	21.79	21.79	21.81	24.00
	Tail	22.87	22.87	22.88	24.00
S02-H004	Head	22.87	22.87	22.88	24.00
	Tail	22.33	22.33	22.34	24.00
S02-I001	Head	22.33	22.33	22.34	24.00
	Tail	21.94	21.94	21.95	24.00
S02-I002	Head	21.94	21.94	21.95	24.00
	Tail	22.49	22.49	22.50	24.00
S02-J001	Head	22.49	22.49	22.50	24.00
	Tail	23.06	23.06	23.07	24.00
S02-J002	Head	23.06	23.06	23.07	24.00
	Tail	23.14	23.14	23.15	24.00
S03-A001	Head	13.77	13.77	14.00	21.00
	Tail	15.04	15.04	15.24	21.00
S03-A002	Head	15.04	15.04	15.24	21.00
	Tail	20.25	20.25	20.28	21.00
S03-A003	Head	20.25	20.25	20.28	21.00
	Tail	20.62	20.62	20.64	21.00
S03-B001	Head	20.62	20.62	20.64	21.00
	Tail	20.99	20.99	20.99	21.00
S03-C001	Head	20.99	20.99	20.99	21.00
	Tail	21.00	21.00	21.00	21.00
S03-C002	Head	21.00	21.00	21.00	21.00
	Tail	21.18	21.18	21.18	21.00
S03-D001	Head	21.18	21.18	21.18	21.00
	Tail	21.63	21.63	21.61	21.00

S03-E001	Head	20.17	20.17	20.18	21.00
	Tail	19.98	19.98	19.99	21.00
S03-F001	Head	19.98	19.98	19.99	21.00
	Tail	19.67	19.67	19.67	21.00
S03-F002	Head	19.67	19.67	19.67	21.00
	Tail	19.96	19.96	19.96	21.00
S03-F003	Head	19.96	19.96	19.96	21.00
	Tail	19.70	19.70	19.71	21.00
S03-F004	Head	19.70	19.70	19.71	21.00
	Tail	19.85	19.85	19.85	21.00
S03-G001	Head	19.85	19.85	19.85	21.00
	Tail	18.78	18.78	18.79	21.00
S03-G002	Head	18.78	18.78	18.79	21.00
	Tail	19.65	19.65	19.66	21.00
S03-H001	Head	19.65	19.65	19.66	21.00
	Tail	19.14	19.14	19.15	21.00
S03-H002	Head	19.14	19.14	19.15	21.00
	Tail	20.29	20.29	20.29	21.00
S03-H003	Head	20.29	20.29	20.29	21.00
	Tail	18.47	18.47	18.48	21.00
S03-H004	Head	18.47	18.47	18.48	21.00
	Tail	20.03	20.03	20.04	21.00
S03-H005	Head	20.03	20.03	20.04	21.00
	Tail	18.97	18.97	18.98	21.00
S03-H006	Head	18.97	18.97	18.98	21.00
	Tail	20.97	20.97	20.97	21.00
S03-I001	Head	20.97	20.97	20.97	21.00
	Tail	20.99	20.99	20.99	21.00
S03-I002	Head	20.99	20.99	20.99	21.00
	Tail	19.92	19.92	19.93	21.00
S03-I003	Head	19.92	19.92	19.93	21.00
	Tail	20.80	20.80	20.80	21.00
S03-J001	Head	20.80	20.80	20.80	21.00
	Tail	20.90	20.90	20.90	21.00
S03-J002	Head	20.90	20.90	20.90	21.00
	Tail	20.70	20.70	20.71	21.00
S03-L001	Head	20.70	20.70	20.71	21.00
	Tail	18.82	18.82	18.84	21.00
S03-L002	Head	18.82	18.82	18.84	21.00
	Tail	21.06	21.06	21.06	21.00
S03-L003	Head	21.06	21.06	21.06	21.00
	Tail	19.58	19.58	19.59	21.00
S03-L004	Head	19.58	19.58	19.59	21.00
	Tail	21.06	21.06	21.06	21.00
S03-L005	Head	21.06	21.06	21.06	21.00

	Tail	20.50	20.50	20.50	21.00
S03-L006	Head	20.50	20.50	20.50	21.00
	Tail	21.20	21.20	21.20	21.00
S03-M001	Head	21.20	21.20	21.20	21.00
	Tail	20.31	20.31	20.31	21.00
S03-M002	Head	20.31	20.31	20.31	21.00
	Tail	21.18	21.18	21.18	21.00
S03-M003	Head	21.18	21.18	21.18	21.00
	Tail	21.06	21.06	21.06	21.00
S04-A001	Head	44.07	44.07	43.87	21.00
	Tail	33.18	33.18	33.08	21.00
S04-A002	Head	33.18	33.18	33.08	21.00
	Tail	30.65	30.65	30.57	21.00
S04-A003	Head	30.65	30.65	30.57	21.00
	Tail	28.46	28.46	28.40	21.00
S04-A004	Head	28.46	28.46	28.40	21.00
	Tail	24.61	24.61	24.58	21.00
S04-A005	Head	24.61	24.61	24.58	21.00
	Tail	25.73	25.73	25.69	21.00
S04-B001	Head	25.73	25.73	25.69	21.00
	Tail	22.87	22.87	22.85	21.00
S04-B002	Head	22.87	22.87	22.85	21.00
	Tail	22.86	22.86	22.84	21.00
S04-B003	Head	22.86	22.86	22.84	21.00
	Tail	21.40	21.40	21.39	21.00
S04-B004	Head	21.40	21.40	21.39	21.00
	Tail	23.09	23.09	23.07	21.00
S04-B005	Head	23.09	23.09	23.07	21.00
	Tail	20.84	20.84	20.84	21.00
S04-B006	Head	20.84	20.84	20.84	21.00
	Tail	21.94	21.94	21.93	21.00
S04-B007	Head	21.94	21.94	21.93	21.00
	Tail	20.60	20.60	20.60	21.00
S04-B008	Head	20.60	20.60	20.60	21.00
	Tail	21.55	21.55	21.54	21.00
S04-B009	Head	21.55	21.55	21.54	21.00
	Tail	19.94	19.94	19.95	21.00
S04-B010	Head	19.94	19.94	19.95	21.00
	Tail	20.42	20.42	20.42	21.00
S04-C001	Head	20.42	20.42	20.42	21.00
	Tail	21.39	21.39	21.39	21.00
S04-C002	Head	21.39	21.39	21.39	21.00
	Tail	20.51	20.51	20.52	21.00
S04-C003	Head	20.51	20.51	20.52	21.00
	Tail	21.61	21.61	21.60	21.00

S04-C004	Head	21.61	21.61	21.60	21.00
	Tail	20.52	20.52	20.53	21.00
S04-C005	Head	20.52	20.52	20.53	21.00
	Tail	21.84	21.84	21.84	21.00
S04-D001	Head	21.84	21.84	21.84	21.00
	Tail	21.80	21.80	21.79	21.00
S04-D002	Head	21.80	21.80	21.79	21.00
	Tail	20.69	20.69	20.69	21.00
S04-D003	Head	20.69	20.69	20.69	21.00
	Tail	21.54	21.54	21.54	21.00
S04-E001	Head	21.54	21.54	21.54	21.00
	Tail	20.50	20.50	20.50	21.00
S04-E002	Head	20.50	20.50	20.50	21.00
	Tail	21.58	21.58	21.57	21.00
S04-E003	Head	21.58	21.58	21.57	21.00
	Tail	20.54	20.54	20.55	21.00
S04-E004	Head	20.54	20.54	20.55	21.00
	Tail	21.53	21.53	21.52	21.00
S04-E005	Head	21.53	21.53	21.52	21.00
	Tail	20.24	20.24	20.25	21.00
S04-E006	Head	20.24	20.24	20.25	21.00
	Tail	21.23	21.23	21.23	21.00
S04-E007	Head	21.23	21.23	21.23	21.00
	Tail	21.19	21.19	21.19	21.00
S04-F001	Head	21.19	21.19	21.19	21.00
	Tail	19.13	19.13	19.14	21.00
S04-F002	Head	19.13	19.13	19.14	21.00
	Tail	19.98	19.98	19.99	21.00
S04-F003	Head	19.98	19.98	19.99	21.00
	Tail	19.23	19.23	19.24	21.00
S04-G001	Head	19.23	19.23	19.24	21.00
	Tail	20.59	20.59	20.59	21.00
S04-G002	Head	20.59	20.59	20.59	21.00
	Tail	19.39	19.39	19.40	21.00
S04-G003	Head	19.39	19.39	19.40	21.00
	Tail	21.65	21.65	21.64	21.00
S04-H001	Head	21.65	21.65	21.64	21.00
	Tail	21.01	21.01	21.01	21.00
S04-H002	Head	21.01	21.01	21.01	21.00
	Tail	20.07	20.07	20.08	21.00
S04-H003	Head	20.07	20.07	20.08	21.00
	Tail	20.84	20.84	20.84	21.00
S04-H004	Head	20.84	20.84	20.84	21.00
	Tail	20.35	20.35	20.36	21.00
S05-A001	Head	36.48	36.48	36.35	21.00

	Tail	35.15	35.15	35.03	21.00
S05-A002	Head	35.15	35.15	35.03	21.00
	Tail	32.64	32.64	32.55	21.00
S05-A003	Head	32.64	32.64	32.55	21.00
	Tail	30.14	30.14	30.06	21.00
S05-A004	Head	30.14	30.14	30.05	21.00
	Tail	24.21	24.21	24.18	21.00
S05-B001	Head	24.21	24.21	24.18	21.00
	Tail	22.10	22.10	22.09	21.00
S05-B002	Head	22.10	22.10	22.09	21.00
	Tail	21.81	21.81	21.80	21.00
S05-B003	Head	21.81	21.81	21.80	21.00
	Tail	20.46	20.46	20.46	21.00
S05-B004	Head	20.46	20.46	20.46	21.00
	Tail	21.52	21.52	21.52	21.00
S05-C001	Head	21.52	21.52	21.52	21.00
	Tail	20.61	20.61	20.61	21.00
S05-C002	Head	20.61	20.61	20.61	21.00
	Tail	16.06	16.06	16.11	21.00
S05-D001	Head	16.06	16.06	16.11	21.00
	Tail	20.40	20.40	20.41	21.00
S05-D002	Head	20.40	20.40	20.41	21.00
	Tail	19.78	19.78	19.79	21.00
S05-E001	Head	19.78	19.78	19.79	21.00
	Tail	20.29	20.29	20.29	21.00
S05-E002	Head	20.29	20.29	20.29	21.00
	Tail	20.24	20.24	20.25	21.00
S05-E003	Head	20.24	20.24	20.25	21.00
	Tail	21.02	21.02	21.02	21.00
S05-E004	Head	21.02	21.02	21.02	21.00
	Tail	20.32	20.32	20.33	21.00
S05-F001	Head	20.32	20.32	20.33	21.00
	Tail	20.54	20.54	20.54	21.00
S05-F002	Head	20.54	20.54	20.54	21.00
	Tail	21.11	21.11	21.11	21.00
S05-F003	Head	21.11	21.11	21.11	21.00
	Tail	20.26	20.26	20.27	21.00
S05-G001	Head	20.26	20.26	20.27	21.00
	Tail	20.97	20.97	20.97	21.00
S05-G002	Head	20.97	20.97	20.97	21.00
	Tail	20.35	20.35	20.36	21.00
S05-H001	Head	20.35	20.35	20.36	21.00
	Tail	23.19	23.19	23.17	21.00
S05-H002	Head	23.19	23.19	23.17	21.00
	Tail	21.09	21.09	21.09	21.00

S05-H003	Head	21.09	21.09	21.09	21.00
	Tail	22.65	22.65	22.63	21.00
S05-H004	Head	22.65	22.65	22.63	21.00
	Tail	20.51	20.51	20.52	21.00
S05-H005	Head	20.51	20.51	20.52	21.00
	Tail	22.28	22.28	22.27	21.00
S05-H006	Head	22.28	22.28	22.27	21.00
	Tail	21.98	21.98	21.97	21.00
S05-I001	Head	21.98	21.98	21.97	21.00
	Tail	21.42	21.42	21.42	21.00
S05-I002	Head	21.42	21.42	21.42	21.00
	Tail	21.41	21.41	21.40	21.00
S05-I003	Head	21.41	21.41	21.40	21.00
	Tail	21.13	21.13	21.13	21.00
S05-I004	Head	21.13	21.13	21.13	21.00
	Tail	20.95	20.95	20.95	21.00
S05-J001	Head	20.95	20.95	20.95	21.00
	Tail	20.12	20.12	20.13	21.00
S05-J002	Head	20.12	20.12	20.13	21.00
	Tail	20.81	20.81	20.81	21.00
S05-J003	Head	20.81	20.81	20.81	21.00
	Tail	20.13	20.13	20.13	21.00
S05-L001	Head	20.13	20.13	20.13	21.00
	Tail	19.96	19.96	19.97	21.00
S05-L002	Head	19.96	19.96	19.97	21.00
	Tail	20.93	20.93	20.93	21.00
S05-L003	Head	20.93	20.93	20.93	21.00
	Tail	20.77	20.77	20.78	21.00
P01-A001	Head	25.09	25.09	25.08	24.00
	Tail	25.05	25.05	25.04	24.00
P01-A002	Head	25.05	25.05	25.04	24.00
	Tail	24.54	24.54	24.54	24.00
P01-B001	Head	24.54	24.54	24.54	24.00
	Tail	24.67	24.67	24.67	24.00
P01-B002	Head	24.67	24.67	24.67	24.00
	Tail	23.88	23.88	23.88	24.00
P01-B003	Head	23.88	23.88	23.88	24.00
	Tail	23.53	23.53	23.53	24.00
P01-C001	Head	23.53	23.53	23.53	24.00
	Tail	24.04	24.04	24.04	24.00
P01-C002	Head	24.04	24.04	24.04	24.00
	Tail	23.40	23.40	23.40	24.00
P01-D001	Head	23.40	23.40	23.40	24.00
	Tail	23.50	23.50	23.50	24.00
P01-D002	Head	23.50	23.50	23.50	24.00

	Tail	22.79	22.79	22.80	24.00
P01-E001	Head	22.79	22.79	22.80	24.00
	Tail	23.02	23.02	23.03	24.00
P01-F001	Head	23.02	23.02	23.03	24.00
	Tail	23.11	23.11	23.12	24.00
P01-G001	Head	23.11	23.11	23.12	24.00
	Tail	23.10	23.10	23.10	24.00
P01-G002	Head	23.10	23.10	23.10	24.00
	Tail	21.91	21.91	21.92	24.00
P01-G003	Head	21.91	21.91	21.92	24.00
	Tail	22.64	22.64	22.65	24.00
P01-H001	Head	22.64	22.64	22.65	24.00
	Tail	22.98	22.98	22.99	24.00
P01-H002	Head	22.98	22.98	22.99	24.00
	Tail	22.08	22.08	22.09	24.00
P01-H003	Head	22.08	22.08	22.09	24.00
	Tail	23.90	23.90	23.90	24.00
P01-H004	Head	23.90	23.90	23.90	24.00
	Tail	23.15	23.15	23.16	24.00
P01-I001	Head	23.15	23.15	23.16	24.00
	Tail	23.05	23.05	23.06	24.00
P01-I002	Head	23.05	23.05	23.06	24.00
	Tail	23.53	23.53	23.53	24.00
P01-J001	Head	23.53	23.53	23.53	24.00
	Tail	23.32	23.32	23.32	24.00
P01-J002	Head	23.32	23.32	23.32	24.00
	Tail	23.91	23.91	23.91	24.00
P01-J003	Head	23.91	23.91	23.91	24.00
	Tail	23.74	23.74	23.74	24.00
P01-L001	Head	23.74	23.74	23.74	24.00
	Tail	23.25	23.25	23.25	24.00
S01-F002	Head	27.82	27.82	27.79	21.00
	Tail	26.73	26.73	26.70	21.00
S01-A001	Head	39.95	39.95	39.85	21.00
	Tail	39.30	39.30	39.21	21.00
N10-A004	Head	41.58	41.58	41.53	26.00
	Tail	40.59	40.59	40.54	26.00
S01-E001	Head	31.31	31.31	31.26	21.00
	Tail	30.48	30.48	30.42	21.00
S02-E001	Head	25.00	25.00	24.97	21.00
	Tail	25.98	25.98	25.95	21.00
S02-F008	Head	22.50	22.50	22.49	21.00
	Tail	23.71	23.71	23.69	21.00
S02-F001	Head	24.18	24.18	24.16	21.00
	Tail	24.72	24.72	24.70	21.00

S02-F002	Head	24.72	24.72	24.70	21.00
	Tail	22.21	22.21	22.21	21.00
S02-F003	Head	22.21	22.21	22.21	21.00
	Tail	23.50	23.50	23.48	21.00
S02-F004	Head	23.50	23.50	23.48	21.00
	Tail	22.50	22.50	22.49	21.00
S02-F005	Head	22.50	22.50	22.49	21.00
	Tail	23.26	23.26	23.25	21.00
S02-F006	Head	23.26	23.26	23.25	21.00
	Tail	22.18	22.18	22.17	21.00
S02-F007	Head	22.18	22.18	22.17	21.00
	Tail	22.50	22.50	22.49	21.00
S02-F009	Head	23.71	23.71	23.69	21.00
	Tail	22.49	22.49	22.48	21.00
N09_A001	Head	46.98	46.98	46.90	26.00
	Tail	46.82	46.82	46.74	26.00
N09_A002	Head	46.82	46.82	46.74	26.00
	Tail	44.91	44.91	44.85	26.00
N09_A003	Head	44.91	44.91	44.85	26.00
	Tail	43.42	43.42	43.36	26.00
N09_A004	Head	43.42	43.42	43.36	26.00
	Tail	42.92	42.92	42.86	26.00
N09_A005	Head	42.92	42.92	42.86	26.00
	Tail	42.71	42.71	42.65	26.00
N09_B001	Head	42.71	42.71	42.65	26.00
	Tail	42.42	42.42	42.36	26.00
N09_B002	Head	42.42	42.42	42.36	26.00
	Tail	41.35	41.35	41.29	26.00
N09_B003	Head	41.35	41.35	41.29	26.00
	Tail	41.42	41.42	41.36	26.00
N09_B004	Head	41.42	41.42	41.36	26.00
	Tail	40.76	40.76	40.71	26.00
N09_B005	Head	40.76	40.76	40.71	26.00
	Tail	40.45	40.45	40.40	26.00
N09_B006	Head	40.45	40.45	40.40	26.00
	Tail	39.00	39.00	38.96	26.00
N09_B007	Head	39.00	39.00	38.96	26.00
	Tail	38.03	38.03	37.99	26.00
N09_C001	Head	38.03	38.03	37.99	26.00
	Tail	37.63	37.63	37.59	26.00
N09_C002	Head	37.63	37.63	37.59	26.00
	Tail	35.75	35.75	35.71	26.00
N09_C003	Head	35.75	35.75	35.71	26.00
	Tail	35.59	35.59	35.55	26.00
N09_C004	Head	35.59	35.59	35.55	26.00

	Tail	34.81	34.81	34.78	26.00
N09_C005	Head	34.81	34.81	34.78	26.00
	Tail	33.43	33.43	33.40	26.00
N09_D001	Head	33.43	33.43	33.40	26.00
	Tail	33.33	33.33	33.30	26.00
N09_D002	Head	33.33	33.33	33.30	26.00
	Tail	32.75	32.75	32.73	26.00
N09_D003	Head	32.75	32.75	32.73	26.00
	Tail	32.82	32.82	32.79	26.00
N09_D004	Head	32.82	32.82	32.79	26.00
	Tail	32.03	32.03	32.01	26.00
N09_D005	Head	32.03	32.03	32.01	26.00
	Tail	32.21	32.21	32.19	26.00
N09_D006	Head	32.21	32.21	32.19	26.00
	Tail	31.36	31.36	31.34	26.00
N09_D007	Head	31.36	31.36	31.34	26.00
	Tail	31.62	31.62	31.60	26.00
N09_D008	Head	31.62	31.62	31.60	26.00
	Tail	30.89	30.89	30.88	26.00
N09_D009	Head	30.89	30.89	30.88	26.00
	Tail	30.85	30.85	30.83	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			
		Up	Down		Up	Down		MJ/m3
10_VES_060	PercentOpen	97.77	97.77	29882.808	45.95	45.95	0.6325	35.97
10_VES_070	PercentOpen	92.84	92.84	29882.808	42.06	42.06	0.6325	35.97
10_VES_080	PercentOpen	87.16	87.16	29882.808	38.25	38.25	0.6325	35.97
10_VES_090	PercentOpen	81.12	81.12	29882.808	34.80	34.80	0.6325	35.97
10_VES_140	PercentOpen	95.41	95.41	29769.364	44.06	44.06	0.6325	35.97
10_VES_150	PercentOpen	89.97	89.97	29769.364	40.08	40.08	0.6325	35.97
10_VES_160	PercentOpen	84.73	84.73	29769.364	36.74	36.74	0.6325	35.97
10_VES_170	PercentOpen	79.11	79.11	29769.364	33.85	33.85	0.6325	35.97
10_VES_190	PercentOpen	95.77	95.77	29656.391	44.39	44.39	0.6325	35.97
10_VES_200	PercentOpen	89.82	89.82	29656.391	40.00	40.00	0.6325	35.97
10_VES_280	PercentOpen	92.81	92.81	29550.961	42.08	42.08	0.6325	35.97
10_VES_290	PercentOpen	86.00	86.00	29550.961	37.43	37.43	0.6325	35.97

10_VES_300	PercentOpen	79.29	79.29	29550.961	33.89	33.89	0.6325	35.97
10_VES_320	PercentOpen	93.82	93.82	29438.357	42.79	42.79	0.6325	35.97
10_VES_330	PercentOpen	87.92	87.92	29438.357	38.55	38.55	0.6325	35.97
10_VES_340	PercentOpen	83.33	83.33	29438.358	35.87	35.87	0.6325	35.97
10_VES_350	PercentOpen	78.58	78.58	29438.358	33.28	33.28	0.6325	35.97
10_VES_400	PercentOpen	94.77	94.77	29325.600	43.37	43.37	0.6325	35.97
10_VES_420	PercentOpen	85.12	85.12	24740.600	35.26	35.26	0.6325	35.97
10_VES_430	PercentOpen	81.23	81.23	24740.600	32.41	32.41	0.6325	35.97
10_VES_450	PercentOpen	96.20	96.20	24646.620	42.57	42.57	0.6325	35.97
10_VES_460	PercentOpen	91.32	91.32	24646.620	37.52	37.52	0.6325	35.97
10_VES_470	PercentOpen	87.74	87.74	24646.621	34.40	34.40	0.6325	35.97
10_VES_540	PercentOpen	97.05	97.05	24578.363	42.71	42.71	0.6325	35.97
10_VES_550	PercentOpen	92.66	92.66	24578.363	38.03	38.03	0.6325	35.97
10_VES_560	PercentOpen	87.06	87.06	24578.363	33.43	33.43	0.6325	35.97
10_VES_580	PercentOpen	96.39	96.39	24497.536	40.59	40.59	0.6325	35.97
10_VES_590	PercentOpen	93.18	93.18	24497.536	37.22	37.22	0.6325	35.97
10_VES_610	PercentOpen	83.35	83.35	23307.536	29.95	29.95	0.6325	35.97
10_VES_660	PercentOpen	96.63	96.63	22236.578	40.33	40.33	0.6325	35.97
10_VES_670	PercentOpen	95.65	95.65	22236.578	38.35	38.35	0.6325	35.97
10_VES_680	PercentOpen	92.69	92.69	20922.578	34.88	34.88	0.6325	35.97
10_VES_690	PercentOpen	91.04	91.04	19122.578	32.73	32.73	0.6325	35.97
40_VES_040	PercentOpen	98.51	98.51	10287.015	37.33	37.33	0.6325	35.97
40_VES_050	PercentOpen	97.11	97.11	10287.015	35.20	35.20	0.6325	35.97
40_VES_060	PercentOpen	96.60	96.60	8487.015	33.75	33.75	0.6325	35.97
40_VES_070	PercentOpen	95.00	95.00	8487.015	31.31	31.31	0.6325	35.97
40_VES_080	PercentOpen	94.23	94.23	8257.015	29.10	29.10	0.6325	35.97
40_VES_090	PercentOpen	92.20	92.20	7799.516	26.73	26.73	0.6325	35.97
40_VES_100	PercentOpen	90.87	90.87	7367.016	26.04	26.04	0.6325	35.97
40_VES_110	PercentOpen	90.14	90.14	7367.016	25.97	25.97	0.6325	35.97
40_VES_120	PercentOpen	88.44	88.44	6377.016	25.53	25.53	0.6325	35.97
40_VES_130	PercentOpen	86.60	86.60	6377.016	25.34	25.34	0.6325	35.97
40_VES_160	PercentOpen	85.56	85.56	6377.016	25.37	25.37	0.6325	35.97
40_VES_140	PercentOpen	97.05	97.05	6341.954	30.88	30.88	0.6325	35.97
40_VES_150	PercentOpen	95.81	95.81	6341.954	27.51	27.51	0.6325	35.97
40_VES_200	PercentOpen	94.40	94.40	6341.954	25.63	25.63	0.6325	35.97
40_VES_210	PercentOpen	94.26	94.26	6341.954	25.00	25.00	0.6325	35.97
40_VES_220	PercentOpen	94.34	94.34	6341.954	24.18	24.18	0.6325	35.97
40_VES_230	PercentOpen	93.79	93.79	6341.954	22.49	22.49	0.6325	35.97
40_VES_240	PercentOpen	90.60	90.60	6341.954	21.76	21.76	0.6325	35.97
40_VES_250	PercentOpen	88.98	88.98	6341.954	22.33	22.33	0.6325	35.97
40_VES_260	PercentOpen	87.25	87.25	6341.954	22.49	22.49	0.6325	35.97
40_VES_270	PercentOpen	86.80	86.80	591.954	23.14	23.14	0.6325	35.97
60_VES_040	PercentOpen	66.06	66.06	591.954	20.62	20.62	0.6325	35.97
60_VES_050	PercentOpen	65.95	65.95	591.954	20.99	20.99	0.6325	35.97
60_VES_060	PercentOpen	66.48	66.48	591.954	21.18	21.18	0.6325	35.97
60_VES_070								

	PercentOpen	71.24	71.24	5591.954	20.17	20.17	0.6325	35.97
60_VES_080	PercentOpen	68.89	68.89	5591.954	19.98	19.98	0.6325	35.97
60_VES_090	PercentOpen	65.66	65.66	4928.454	19.85	19.85	0.6325	35.97
60_VES_100	PercentOpen	62.57	62.57	4928.454	19.65	19.65	0.6325	35.97
60_VES_110	PercentOpen	60.56	60.56	3938.454	20.97	20.97	0.6325	35.97
60_VES_120	PercentOpen	59.28	59.28	3938.454	20.80	20.80	0.6325	35.97
60_VES_270	PercentOpen	58.65	58.65	3683.454	20.70	20.70	0.6325	35.97
60_VES_320	PercentOpen	57.27	57.27	3250.954	21.20	21.20	0.6325	35.97
60_VES_190	PercentOpen	72.21	72.21	3239.814	25.73	25.73	0.6325	35.97
60_VES_200	PercentOpen	66.86	66.86	3239.814	20.42	20.42	0.6325	35.97
60_VES_210	PercentOpen	67.27	67.27	3239.814	21.84	21.84	0.6325	35.97
60_VES_220	PercentOpen	66.57	66.57	3239.814	21.54	21.54	0.6325	35.97
60_VES_230	PercentOpen	65.05	65.05	3239.814	21.19	21.19	0.6325	35.97
60_VES_240	PercentOpen	62.05	62.05	3239.814	19.23	19.23	0.6325	35.97
60_VES_250	PercentOpen	62.81	62.81	3239.814	21.65	21.65	0.6325	35.97
60_VES_290	PercentOpen	74.50	74.50	2841.500	36.48	36.48	0.6325	35.97
80_VES_020	PercentOpen	73.82	73.82	2409.000	24.21	24.21	0.6325	35.97
80_VES_030	PercentOpen	71.69	71.69	2409.000	21.52	21.52	0.6325	35.97
80_VES_040	PercentOpen	63.82	63.82	2409.000	16.06	16.06	0.6325	35.97
80_VES_050	PercentOpen	62.57	62.57	2409.000	19.78	19.78	0.6325	35.97
80_VES_060	PercentOpen	61.46	61.46	2409.000	20.32	20.32	0.6325	35.97
80_VES_070	PercentOpen	59.30	59.30	2409.000	20.26	20.26	0.6325	35.97
80_VES_080	PercentOpen	57.10	57.10	2409.000	20.35	20.35	0.6325	35.97
80_VES_090	PercentOpen	58.61	58.61	2409.000	21.98	21.98	0.6325	35.97
80_VES_100	PercentOpen	56.90	56.90	2409.000	20.95	20.95	0.6325	35.97
80_VES_110	PercentOpen	54.82	54.82	2409.000	20.13	20.13	0.6325	35.97
10_VES_050	PercentOpen	72.59	72.59	7000.000	23.53	23.53	0.6325	35.97
90_VES_060	PercentOpen	71.87	71.87	7000.000	23.40	23.40	0.6325	35.97
90_VES_070	PercentOpen	70.26	70.26	7000.000	22.79	22.79	0.6325	35.97
90_VES_080	PercentOpen	69.03	69.03	7000.000	23.02	23.02	0.6325	35.97
90_VES_090	PercentOpen	68.13	68.13	7000.000	23.11	23.11	0.6325	35.97
90_VES_100	PercentOpen	66.48	66.48	7000.000	22.64	22.64	0.6325	35.97
90_VES_110	PercentOpen	65.29	65.29	7000.000	23.15	23.15	0.6325	35.97
90_VES_120	PercentOpen	64.53	64.53	7000.000	23.53	23.53	0.6325	35.97
90_VES_130	PercentOpen	64.17	64.17	7000.000	23.74	23.74	0.6325	35.97
MTN	PercentOpen	85.00	85.00	30000.208	51.70	51.70	0.6325	35.97
10_VES_040	PercentOpen	78.44	78.44	30000.208	45.91	45.91	0.6325	35.97
10_VES_210	PercentOpen	83.70	83.70	29656.391	36.24	36.24	0.6325	35.97
10_VES_410	PercentOpen	89.64	89.64	25420.600	39.48	39.48	0.6325	35.97
10_VES_600	PercentOpen	89.00	89.00	24497.536	33.89	33.89	0.6325	35.97
90_VES_040	PercentOpen	74.26	74.26	7000.000	24.54	24.54	0.6325	35.97
60_VES_140	PercentOpen	75.00	75.00	3239.814	44.07	44.07	0.6325	35.97
HUB7	PercentOpen	65.00	65.00	2800.000	25.00	25.00	0.6325	35.97
HUB8	PercentOpen	65.00	65.00	-3300.000	25.00	25.00	0.6325	35.97
ARA1	PercentOpen	86.80	86.80	2509.500	23.14	23.14	0.6325	35.97

	PercentOpen	54.34	54.34	0.000	20.77	20.77	0.6325	35.97
CAN2	PercentOpen	54.34	54.34	0.000	20.77	20.77	0.6325	35.97
HUB1	PercentOpen	89.54	89.54	7000.000	30.94	30.94	0.6325	35.97
HUB2	PercentOpen	89.54	65.00	0.000	30.94	25.00	0.6325	35.97
HUB3	PercentOpen	65.00	89.54	0.000	25.00	30.94	0.6325	35.97
HUB4	PercentOpen	89.54	65.00	0.000	30.94	25.00	0.6325	35.97
HUB5	PercentOpen	89.54	89.54	7000.000	30.94	30.94	0.6325	35.97
HUB6	PercentOpen	65.00	65.00	300.000	25.00	25.00	0.6325	35.97
HUB9	PercentOpen	89.54	65.00	0.000	30.94	25.00	0.6325	35.97
HUB10	PercentOpen	89.54	89.54	10322.578	30.94	30.94	0.6325	35.97
RES_CBA	Resistance	73.46	73.45	30000.208	42.20	42.20	0.6325	35.97
RES_MRD	Resistance	73.87	73.86	29882.808	31.35	31.35	0.6325	35.97
RES_ANT	Resistance	74.08	74.07	29769.364	31.50	31.50	0.6325	35.97
RES_CGR	Resistance	75.71	75.70	29656.391	31.74	31.74	0.6325	35.97
RES_RRP	Resistance	73.38	73.37	29550.961	31.35	31.35	0.6325	35.97
RES_TLG	Resistance	73.37	73.36	29438.358	31.04	31.03	0.6325	35.97
RES_MIR	Resistance	77.71	77.70	24740.600	30.26	30.26	0.6325	35.97
RES_PEN	Resistance	83.59	83.58	24646.621	31.51	31.50	0.6325	35.97
RES_IAC	Resistance	83.07	83.06	24578.363	30.85	30.85	0.6325	35.97
RES_SCA	Resistance	81.35	81.35	23307.536	29.02	29.02	0.6325	35.97
RES_BIG	Resistance	55.95	55.95	3250.954	21.06	21.06	0.6325	35.97
RES_SID	Resistance	60.60	60.60	2846.314	20.35	20.35	0.6325	35.97
RES_ARC	Resistance	86.80	86.80	591.954	23.14	23.14	0.6325	35.97
RES_PLN	Resistance	89.54	89.27	10322.578	30.94	30.84	0.6325	35.97
RES_CBO	Resistance	85.56	85.47	6377.016	25.37	25.34	0.6325	35.97
ERP ARC	MaximumDownstreamPressure	86.79	66.00	591.954	23.14	13.77	0.6325	35.97
ERP PLN	MaximumDownstreamPressure	89.54	75.00	7000.000	30.94	25.09	0.6325	35.97
COOL_CBA	Resistance	100.00	99.99	29882.808	66.91	48.00	0.6325	35.97
COOL_MRD	Resistance	100.00	99.99	29769.364	55.00	48.00	0.6325	35.97
COOL_ANT	Resistance	100.00	99.99	29656.391	54.93	48.00	0.6325	35.97
COOL_CGR	Resistance	100.00	99.99	29550.961	54.30	48.00	0.6325	35.97
COOL_RRP	Resistance	100.00	99.99	29438.357	55.47	48.00	0.6325	35.97
COOL_TLG	Resistance	100.00	99.99	29325.600	55.14	48.00	0.6325	35.97
COOL_MIR	Resistance	100.00	99.99	24646.620	49.48	48.00	0.6325	35.97
COOL_PEN	Resistance	100.00	99.99	24578.363	46.98	46.98	0.6325	35.97
COOL_IAC	Resistance	100.00	99.99	24497.536	45.10	45.10	0.6325	35.97
COOL_SCA	Resistance	100.00	100.00	23226.578	44.66	44.66	0.6325	35.97
COOL_BIG	Resistance	75.00	75.00	3239.814	44.07	44.07	0.6325	35.97
COOL_ARC	Resistance	86.80	86.79	591.954	23.14	23.14	0.6325	35.97
COOL_PLN	Resistance	99.80	99.58	10287.015	39.95	39.95	0.6325	35.97
COOL_CBO	Resistance	99.80	99.72	6341.954	37.77	37.77	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	29882.8084	0.0000	24.000
10_VES_070	29882.8084	0.0000	24.000
10_VES_080	29882.8084	0.0000	24.000
10_VES_090	29882.8084	0.0000	24.000
10_VES_140	29769.3639	0.0000	24.000
10_VES_150	29769.3639	0.0000	24.000
10_VES_160	29769.3639	0.0000	24.000
10_VES_170	29769.3640	0.0000	24.000
10_VES_190	29656.3909	0.0000	24.000
10_VES_200	29656.3909	0.0000	24.000
10_VES_280	29550.9611	0.0000	24.000
10_VES_290	29550.9611	0.0000	24.000
10_VES_300	29550.9612	0.0000	24.000
10_VES_320	29438.3574	0.0000	24.000
10_VES_330	29438.3575	0.0000	24.000
10_VES_340	29438.3576	0.0000	24.000
10_VES_350	29438.3577	0.0000	24.000
10_VES_400	29325.5997	0.0000	24.000
10_VES_420	24740.5999	0.0000	24.000
10_VES_430	24740.6001	0.0000	24.000
10_VES_450	24646.6204	0.0000	24.000
10_VES_460	24646.6205	0.0000	24.000
10_VES_470	24646.6206	0.0000	24.000
10_VES_540	24578.3629	0.0000	24.000
10_VES_550	24578.3629	0.0000	24.000
10_VES_560	24578.3631	0.0000	24.000
10_VES_580	24497.5356	0.0000	24.000
10_VES_590	24497.5356	0.0000	24.000
10_VES_610	23307.5358	0.0000	24.000
10_VES_660	22236.5775	0.0000	24.000
10_VES_670	22236.5776	0.0000	24.000
10_VES_680	20922.5776	0.0000	24.000
10_VES_690	19122.5777	0.0000	24.000
40_VES_040	10287.0155	0.0000	24.000
40_VES_050	10287.0155	0.0000	24.000
40_VES_060	8487.0155	0.0000	24.000
40_VES_070	8487.0155	0.0000	24.000
40_VES_080	8257.0155	0.0000	24.000
40_VES_090	7799.5155	0.0000	24.000
40_VES_100	7367.0155	0.0000	24.000
40_VES_110	7367.0156	0.0000	24.000
40_VES_120	6377.0156	0.0000	24.000
40_VES_130	6377.0157	0.0000	24.000

40_VES_160	6377.0158	0.0000	24.000
40_VES_140	6341.9542	0.0000	24.000
40_VES_150	6341.9542	0.0000	24.000
40_VES_200	6341.9542	0.0000	24.000
40_VES_210	6341.9542	0.0000	24.000
40_VES_220	6341.9542	0.0000	24.000
40_VES_230	6341.9542	0.0000	24.000
40_VES_240	6341.9542	0.0000	24.000
40_VES_250	6341.9542	0.0000	24.000
40_VES_260	6341.9542	0.0000	24.000
40_VES_270	591.9542	0.0000	24.000
60_VES_040	591.9542	0.0000	24.000
60_VES_050	591.9542	0.0000	24.000
60_VES_060	591.9542	0.0000	24.000
60_VES_070	5591.9542	0.0000	24.000
60_VES_080	5591.9542	0.0000	24.000
60_VES_090	4928.4542	0.0000	24.000
60_VES_100	4928.4542	0.0000	24.000
60_VES_110	3938.4542	0.0000	24.000
60_VES_120	3938.4542	0.0000	24.000
60_VES_270	3683.4542	0.0000	24.000
60_VES_320	3250.9542	0.0000	24.000
60_VES_190	3239.8143	0.0000	24.000
60_VES_200	3239.8143	0.0000	24.000
60_VES_210	3239.8143	0.0000	24.000
60_VES_220	3239.8143	0.0000	24.000
60_VES_230	3239.8143	0.0000	24.000
60_VES_240	3239.8143	0.0000	24.000
60_VES_250	3239.8143	0.0000	24.000
60_VES_290	2841.5000	0.0000	24.000
80_VES_020	2409.0000	0.0000	24.000
80_VES_030	2409.0000	0.0000	24.000
80_VES_040	2409.0000	0.0000	24.000
80_VES_050	2409.0000	0.0000	24.000
80_VES_060	2409.0000	0.0000	24.000
80_VES_070	2409.0000	0.0000	24.000
80_VES_080	2409.0000	0.0000	24.000
80_VES_090	2409.0000	0.0000	24.000
80_VES_100	2409.0000	0.0000	24.000
80_VES_110	2409.0000	0.0000	24.000
10_VES_050	7000.0000	0.0000	24.000
90_VES_060	7000.0000	0.0000	24.000
90_VES_070	7000.0000	0.0000	24.000
90_VES_080	7000.0000	0.0000	24.000
90_VES_090	7000.0000	0.0000	24.000
90_VES_100			

	7000.0000	0.0000	24.000
90_VES_110	7000.0000	0.0000	24.000
90_VES_120	7000.0000	0.0000	24.000
90_VES_130	7000.0000	0.0000	24.000
MTN	30000.2077	0.0000	24.000
10_VES_040	30000.2077	0.0000	24.000
10_VES_210	29656.3910	0.0000	24.000
10_VES_410	25420.5998	0.0000	24.000
10_VES_600	24497.5357	0.0000	24.000
90_VES_040	7000.0000	0.0000	24.000
60_VES_140	3239.8143	0.0000	24.000
HUB7	2800.0000	0.0000	24.000
HUB8	-3300.0000	0.0000	24.000
ARA1	2509.5000	0.0000	24.000
CAN1	0.0000	0.0000	24.000
CAN2	0.0000	0.0000	24.000
HUB1	7000.0000	0.0000	24.000
HUB2	0.0000	0.0000	24.000
HUB3	0.0000	0.0000	24.000
HUB4	0.0000	0.0000	24.000
HUB5	7000.0000	0.0000	24.000
HUB6	300.0000	0.0000	24.000
HUB9	0.0000	0.0000	24.000
HUB10	10322.5778	0.0000	24.000
RES_CBA	30000.2077	0.0000	24.000
RES_MRD	29882.8084	0.0000	24.000
RES_ANT	29769.3640	0.0000	24.000
RES_CGR	29656.3910	0.0000	24.000
RES_RRP	29550.9614	0.0000	24.000
RES_TLG	29438.3579	0.0000	24.000
RES_MIR	24740.6003	0.0000	24.000
RES_PEN	24646.6208	0.0000	24.000
RES_IAC	24578.3633	0.0000	24.000
RES_SCA	23307.5359	0.0000	24.000
RES_BIG	3250.9542	0.0000	24.000
RES_SID	2846.3143	0.0000	24.000
RES_ARC	591.9542	0.0000	24.000
RES_PLN	10322.5778	0.0000	24.000
RES_CBO	6377.0158	0.0000	24.000
ERP ARC	591.9542	0.0000	24.000
ERP PLN	7000.0000	0.0000	24.000
COOL_CBA	29882.8084	0.0000	24.000
COOL_MRD	29769.3639	0.0000	24.000
COOL_ANT	29656.3909	0.0000	24.000
COOL_CGR	29550.9611	0.0000	24.000
COOL_RRP			

	29438.3574	0.0000	24.000
COOL_TLG	29325.5997	0.0000	24.000
COOL_MIR	24646.6203	0.0000	24.000
COOL_PEN	24578.3629	0.0000	24.000
COOL_IAC	24497.5355	0.0000	24.000
COOL_SCA	23226.5775	0.0000	24.000
COOL_BIG	3239.8143	0.0000	24.000
COOL_ARC	591.9542	0.0000	24.000
COOL_PLN	10287.0155	0.0000	24.000
COOL_CBO	6341.9542	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	-30000.208	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97
TGS	MaximumFlow	71.24	-5000.000	20.00	0.6325	35.97
PE CBA	MaximumFlow	78.44	0.000	45.91	0.6325	35.97
PE CGR	MaximumFlow	75.71	0.000	31.74	0.6325	35.97
UTE TLG	MaximumFlow	89.64	680.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	89.73	0.000	35.94	0.6325	35.97
PE BSP	MaximumFlow	89.00	1190.000	33.89	0.6325	35.97
PE SCA	MaximumFlow	98.34	990.000	42.82	0.6325	35.97
PE RCL	MaximumFlow	94.86	1314.000	37.04	0.6325	35.97
PE LMR	MaximumFlow	92.57	1800.000	34.63	0.6325	35.97
PE AMR	MaximumFlow	91.09	1800.000	32.68	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	97.94	0.000	36.26	0.6325	35.97

PE CMP	MaximumFlow	96.38	1800.000	33.93	0.6325	35.97
PE ITU	MaximumFlow	94.23	0.000	29.10	0.6325	35.97
PE ACB	MaximumFlow	90.87	432.500	26.04	0.6325	35.97
PE CIC ARC	MaximumFlow	86.81	680.000	23.06	0.6325	35.97
PE RPR	MaximumFlow	86.80	2509.500	23.14	0.6325	35.97
PE JVL	MaximumFlow	68.89	0.000	19.98	0.6325	35.97
PE GMM	MaximumFlow	65.66	663.500	19.85	0.6325	35.97
PE GSP	MaximumFlow	60.56	990.000	20.97	0.6325	35.97
PE BRQ	MaximumFlow	59.16	255.000	20.90	0.6325	35.97
PE TJC	MaximumFlow	57.27	432.500	21.20	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	33.18	0.6325	35.97
PE TBR	MaximumFlow	65.05	0.000	21.19	0.6325	35.97
PE URS	MaximumFlow	62.04	393.500	21.01	0.6325	35.97
PE NVZ	MaximumFlow	74.70	432.500	30.14	0.6325	35.97
PE VZC	MaximumFlow	59.30	0.000	20.26	0.6325	35.97
PE ARA	MaximumFlow	57.43	0.000	21.13	0.6325	35.97
PE CCH	MaximumFlow	54.86	0.000	20.93	0.6325	35.97
PE RFP	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE CAN	MaximumFlow	54.34	2409.000	20.77	0.6325	35.97
PE JGN	MaximumFlow	74.26	0.000	24.54	0.6325	35.97
PE ITA	MaximumFlow	70.26	0.000	22.79	0.6325	35.97
PE GRM	MaximumFlow	64.53	0.000	23.53	0.6325	35.97
EMED GRM	MaximumFlow	63.29	7000.000	23.25	0.6325	35.97
PE IND	MaximumFlow	94.88	230.000	30.48	0.6325	35.97
UTE ARC	MaximumFlow	86.80	2560.500	23.14	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	92.88	457.500	27.82	0.6325	35.97
PE CLG	MaximumFlow	87.25	0.000	22.49	0.6325	35.97
PE GMN	MaximumFlow	99.41	0.000	39.30	0.6325	35.97
EMED GASCAR_S	MaximumFlow	65.00	500.000	25.00	0.6325	35.97
PE IGR	MaximumFlow	58.84	0.000	22.28	0.6325	35.97
EMED JCT	MaximumFlow	65.00	300.000	25.00	0.6325	35.97
PE GUA	MaximumFlow	95.30	0.000	40.76	0.6325	35.97
PE VLP	MaximumFlow	96.20	0.000	42.57	0.6325	35.97
PE IAC	MaximumFlow	83.07	0.000	30.85	0.6325	35.97
PE IBT	MaximumFlow	97.34	0.000	41.58	0.6325	35.97
UFN TLG	MaximumFlow	89.64	3905.000	39.48	0.6325	35.97
PE ITP	MaximumFlow	88.44	990.000	25.53	0.6325	35.97
PE ITR	MaximumFlow	96.63	0.000	40.33	0.6325	35.97
COM_CBA	MaximumFlow	73.45	117.399	42.20	0.6325	35.97
COM_MRD	MaximumFlow	73.86	113.445	31.35	0.6325	35.97
COMB_ANT	MaximumFlow	74.07	112.973	31.50	0.6325	35.97
COMB_CGR	MaximumFlow	75.70	105.430	31.74	0.6325	35.97
COMB_RRP	MaximumFlow	73.37	112.604	31.35	0.6325	35.97
COMB_TLG	MaximumFlow	73.36	112.758	31.03	0.6325	35.97

COMB_MIR	MaximumFlow	77.70	93.980	30.26	0.6325	35.97
COMB_PEN	MaximumFlow	83.58	68.258	31.50	0.6325	35.97
COMB_IAC	MaximumFlow	83.06	80.828	30.85	0.6325	35.97
COMB_SCA	MaximumFlow	81.35	80.958	29.02	0.6325	35.97
COMB_ARC	MaximumFlow	86.80	0.000	23.14	0.6325	35.97
COMB_PLN	MaximumFlow	89.27	35.562	30.84	0.6325	35.97
COMB_CBO	MaximumFlow	85.47	35.062	25.34	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	55.95	11.140	21.06	0.6325	35.97

Accumulated Volume Summary			
Xreg Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-30000.2077	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	680.0000	0.0000	24.000
PE BLC	0.0000	0.0000	24.000
PE BSP	1190.0000	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	1800.0000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	432.5000	0.0000	24.000
PE CIC ARC	680.0000	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	230.0000	0.0000	24.000
UTE ARC	2560.5000	0.0000	24.000
UTE CAN	0.0000	0.0000	24.000
PE PFZ	457.5000	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	117.3993	0.0000	24.000
COM_MRD	113.4445	0.0000	24.000
COMB_ANT	112.9731	0.0000	24.000
COMB_CGR	105.4300	0.0000	24.000
COMB_RRP	112.6040	0.0000	24.000
COMB_TLG	112.7582	0.0000	24.000
COMB_MIR	93.9799	0.0000	24.000
COMB_PEN	68.2579	0.0000	24.000
COMB_IAC	80.8277	0.0000	24.000
COMB_SCA	80.9583	0.0000	24.000
COMB_ARC	0.0000	0.0000	24.000
COMB_PLN	35.5623	0.0000	24.000
COMB_CBO	35.0616	0.0000	24.000
COMB_SID	4.8143	0.0000	24.000
COMB_BIG	11.1399	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_TLC						

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

Xreg Quality Summary					
Xreg Name	NC5	C6	CO2	N2	O2
	%	%	%	%	%
RGD	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_E	0.08	0.09	1.39	0.71	0.01
TGS	0.08	0.09	1.39	0.71	0.01
PE CBA	0.08	0.09	1.39	0.71	0.01
PE CGR	0.08	0.09	1.39	0.71	0.01
UTE TLG	0.08	0.09	1.39	0.71	0.01
PE BLC	0.08	0.09	1.39	0.71	0.01
PE BSP	0.08	0.09	1.39	0.71	0.01
PE SCA	0.08	0.09	1.39	0.71	0.01
PE RCL	0.08	0.09	1.39	0.71	0.01
PE LMR	0.08	0.09	1.39	0.71	0.01
PE AMR	0.08	0.09	1.39	0.71	0.01
PE RPL	0.08	0.09	1.39	0.71	0.01
PE SMR	0.08	0.09	1.39	0.71	0.01
PE CMP	0.08	0.09	1.39	0.71	0.01
PE ITU	0.08	0.09	1.39	0.71	0.01
PE ACB	0.08	0.09	1.39	0.71	0.01
PE CIC ARC	0.08	0.09	1.39	0.71	0.01
PE RPR	0.08	0.09	1.39	0.71	0.01
PE JVL	0.08	0.09	1.39	0.71	0.01
PE GMM	0.08	0.09	1.39	0.71	0.01
PE GSP	0.08	0.09	1.39	0.71	0.01
PE BRQ	0.08	0.09	1.39	0.71	0.01
PE TJC	0.08	0.09	1.39	0.71	0.01
PE SPA	0.08	0.09	1.39	0.71	0.01
PE TBR	0.08	0.09	1.39	0.71	0.01
PE URS	0.08	0.09	1.39	0.71	0.01
PE NVZ	0.08	0.09	1.39	0.71	0.01
PE VZC	0.08	0.09	1.39	0.71	0.01
PE ARA	0.08	0.09	1.39	0.71	0.01

PE CCH	0.08	0.09	1.39	0.71	0.01
PE RFP	0.08	0.09	1.39	0.71	0.01
PE CAN	0.08	0.09	1.39	0.71	0.01
PE JGN	0.08	0.09	1.39	0.71	0.01
PE ITA	0.08	0.09	1.39	0.71	0.01
PE GRM	0.08	0.09	1.39	0.71	0.01
EMED GRM	0.08	0.09	1.39	0.71	0.01
PE IND	0.08	0.09	1.39	0.71	0.01
UTE ARC	0.08	0.09	1.39	0.71	0.01
UTE CAN	0.08	0.09	1.39	0.71	0.01
PE PFZ	0.08	0.09	1.39	0.71	0.01
PE CLG	0.08	0.09	1.39	0.71	0.01
PE GMN	0.08	0.09	1.39	0.71	0.01
EMED GASCAR_S	0.08	0.09	1.39	0.71	0.01
PE IGR	0.08	0.09	1.39	0.71	0.01
EMED JCT	0.08	0.09	1.39	0.71	0.01
PE GUA	0.08	0.09	1.39	0.71	0.01
PE VLP	0.08	0.09	1.39	0.71	0.01
PE IAC	0.08	0.09	1.39	0.71	0.01
PE IBT	0.08	0.09	1.39	0.71	0.01
UFN TLG	0.08	0.09	1.39	0.71	0.01
PE ITP	0.08	0.09	1.39	0.71	0.01
PE ITR	0.08	0.09	1.39	0.71	0.01
COM_CBA	0.08	0.09	1.39	0.71	0.01
COM_MRD	0.08	0.09	1.39	0.71	0.01
COMB_ANT	0.08	0.09	1.39	0.71	0.01
COMB_CGR	0.08	0.09	1.39	0.71	0.01
COMB_RRP	0.08	0.09	1.39	0.71	0.01
COMB_TLG	0.08	0.09	1.39	0.71	0.01
COMB_MIR	0.08	0.09	1.39	0.71	0.01
COMB_PEN	0.08	0.09	1.39	0.71	0.01
COMB_IAC	0.08	0.09	1.39	0.71	0.01
COMB_SCA	0.08	0.09	1.39	0.71	0.01
COMB_ARC	0.08	0.09	1.39	0.71	0.01
COMB_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	30000.208	51.70	0.6325	35.97
EMED GASCAR_E	MaximumPressure	65.00	-3300.000	25.00	0.6325	35.97
TGS	MaximumFlow	71.24	-5000.000	20.00	0.6325	35.97

Accumulated Volume Summary			
Supply Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-30000.2077	0.0000	24.000
EMED GASCAR_E	-3300.0000	0.0000	24.000
TGS	-5000.0000	0.0000	24.000

Supply Quality Summary Report : 0.000 hours

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

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

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

EMED GASCAR_E	0.08	0.09	1.39	0.71	0.01
TGS	0.08	0.09	1.39	0.71	0.01

Delivery Hydraulic Summary Report : 0.000 hours

Delivery Summary						
Delivery Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
PE CBA	MaximumFlow	78.44	0.000	45.91	0.6325	35.97
PE CGR	MaximumFlow	75.71	0.000	31.74	0.6325	35.97
UTE TLG	MaximumFlow	89.64	680.000	39.48	0.6325	35.97
PE BLC	MaximumFlow	89.73	0.000	35.94	0.6325	35.97
PE BSP	MaximumFlow	89.00	1190.000	33.89	0.6325	35.97
PE SCA	MaximumFlow	98.34	990.000	42.82	0.6325	35.97
PE RCL	MaximumFlow	94.86	1314.000	37.04	0.6325	35.97
PE LMR	MaximumFlow	92.57	1800.000	34.63	0.6325	35.97
PE AMR	MaximumFlow	91.09	1800.000	32.68	0.6325	35.97
PE RPL	MaximumFlow	65.00	2500.000	25.00	0.6325	35.97
PE SMR	MaximumFlow	97.94	0.000	36.26	0.6325	35.97
PE CMP	MaximumFlow	96.38	1800.000	33.93	0.6325	35.97
PE ITU	MaximumFlow	94.23	0.000	29.10	0.6325	35.97
PE ACB	MaximumFlow	90.87	432.500	26.04	0.6325	35.97
PE CIC ARC	MaximumFlow	86.81	680.000	23.06	0.6325	35.97
PE RPR	MaximumFlow	86.80	2509.500	23.14	0.6325	35.97
PE JVL	MaximumFlow	68.89	0.000	19.98	0.6325	35.97
PE GMM	MaximumFlow	65.66	663.500	19.85	0.6325	35.97
PE GSP	MaximumFlow	60.56	990.000	20.97	0.6325	35.97
PE BRQ	MaximumFlow	59.16	255.000	20.90	0.6325	35.97
PE TJC	MaximumFlow	57.27	432.500	21.20	0.6325	35.97
PE SPA	MaximumFlow	73.07	0.000	33.18	0.6325	35.97
PE TBR	MaximumFlow	65.05	0.000	21.19	0.6325	35.97
PE URS	MaximumFlow	62.04	393.500	21.01	0.6325	35.97
PE NVZ	MaximumFlow	74.70	432.500	30.14	0.6325	35.97
PE VZC	MaximumFlow	59.30	0.000	20.26	0.6325	35.97
PE ARA	MaximumFlow	57.43	0.000	21.13	0.6325	35.97
PE CCH	MaximumFlow	54.86	0.000	20.93	0.6325	35.97
PE RFP	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE CAN	MaximumFlow	54.34	2409.000	20.77	0.6325	35.97
PE JGN	MaximumFlow	74.26	0.000	24.54	0.6325	35.97
PE ITA	MaximumFlow	70.26	0.000	22.79	0.6325	35.97

PE GRM	MaximumFlow	64.53	0.000	23.53	0.6325	35.97
EMED GRM	MaximumFlow	63.29	7000.000	23.25	0.6325	35.97
PE IND	MaximumFlow	94.88	230.000	30.48	0.6325	35.97
UTE ARC	MaximumFlow	86.80	2560.500	23.14	0.6325	35.97
UTE CAN	MaximumFlow	54.34	0.000	20.77	0.6325	35.97
PE PFZ	MaximumFlow	92.88	457.500	27.82	0.6325	35.97
PE CLG	MaximumFlow	87.25	0.000	22.49	0.6325	35.97
PE GMN	MaximumFlow	99.41	0.000	39.30	0.6325	35.97
EMED GASCAR_S	MaximumFlow	65.00	500.000	25.00	0.6325	35.97
PE IGR	MaximumFlow	58.84	0.000	22.28	0.6325	35.97
EMED JCT	MaximumFlow	65.00	300.000	25.00	0.6325	35.97
PE GUA	MaximumFlow	95.30	0.000	40.76	0.6325	35.97
PE VLP	MaximumFlow	96.20	0.000	42.57	0.6325	35.97
PE IAC	MaximumFlow	83.07	0.000	30.85	0.6325	35.97
PE IBT	MaximumFlow	97.34	0.000	41.58	0.6325	35.97
UFN TLG	MaximumFlow	89.64	3905.000	39.48	0.6325	35.97
PE ITP	MaximumFlow	88.44	990.000	25.53	0.6325	35.97
PE ITR	MaximumFlow	96.63	0.000	40.33	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	680.0000	0.0000	24.000
PE BLC	0.0000	0.0000	24.000
PE BSP	1190.0000	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	1800.0000	0.0000	24.000
PE ITU	0.0000	0.0000	24.000
PE ACB	432.5000	0.0000	24.000
PE CIC ARC	680.0000	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	230.0000	0.0000	24.000
UTE ARC	2560.5000	0.0000	24.000
UTE CAN	0.0000	0.0000	24.000
PE PFZ	457.5000	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 ITO			

	0.6325	35.9734	0.0000
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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	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value

Name						
		kg/cm2g	kSm3/d	Deg C		MJ/m3
COM_CBA	MaximumFlow	73.45	117.399	42.20	0.6325	35.97
COM_MRD	MaximumFlow	73.86	113.445	31.35	0.6325	35.97
COMB_ANT	MaximumFlow	74.07	112.973	31.50	0.6325	35.97
COMB_CGR	MaximumFlow	75.70	105.430	31.74	0.6325	35.97
COMB_RRP	MaximumFlow	73.37	112.604	31.35	0.6325	35.97
COMB_TLG	MaximumFlow	73.36	112.758	31.03	0.6325	35.97
COMB_MIR	MaximumFlow	77.70	93.980	30.26	0.6325	35.97
COMB_PEN	MaximumFlow	83.58	68.258	31.50	0.6325	35.97
COMB_IAC	MaximumFlow	83.06	80.828	30.85	0.6325	35.97
COMB_SCA	MaximumFlow	81.35	80.958	29.02	0.6325	35.97
COMB_ARC	MaximumFlow	86.80	0.000	23.14	0.6325	35.97
COMB_PLN	MaximumFlow	89.27	35.562	30.84	0.6325	35.97
COMB_CBO	MaximumFlow	85.47	35.062	25.34	0.6325	35.97
COMB_SID	MaximumFlow	60.60	4.814	20.35	0.6325	35.97
COMB_BIG	MaximumFlow	55.95	11.140	21.06	0.6325	35.97

Accumulated Volume Summary			
Fuel Delivery Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
COM_CBA	117.3993	0.0000	24.000
COM_MRD	113.4445	0.0000	24.000
COMB_ANT	112.9731	0.0000	24.000
COMB_CGR	105.4300	0.0000	24.000
COMB_RRP	112.6040	0.0000	24.000
COMB_TLG	112.7582	0.0000	24.000
COMB_MIR	93.9799	0.0000	24.000
COMB_PEN	68.2579	0.0000	24.000
COMB_IAC	80.8277	0.0000	24.000
COMB_SCA	80.9583	0.0000	24.000
COMB_ARC	0.0000	0.0000	24.000
COMB_PLN	35.5623	0.0000	24.000
COMB_CBO	35.0616	0.0000	24.000
COMB_SID	4.8143	0.0000	24.000
COMB_BIG	11.1399	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	73.45	100.00	29882.808	42.20	66.91	0.6325	35.97
MRD	MaximumDownstreamPressure	73.86	100.00	29769.364	31.35	55.00	0.6325	35.97
ANT	MaximumDownstreamPressure	74.07	100.00	29656.391	31.50	54.93	0.6325	35.97
CGR	MaximumDownstreamPressure	75.70	100.00	29550.961	31.74	54.30	0.6325	35.97
RRP	MaximumDownstreamPressure	73.37	100.00	29438.357	31.35	55.47	0.6325	35.97
TLG	MaximumDownstreamPressure	73.36	100.00	29325.600	31.03	55.14	0.6325	35.97
MIR	MaximumDownstreamPressure	77.70	100.00	24646.620	30.26	49.48	0.6325	35.97
PEN	MaximumDownstreamPressure	83.58	100.00	24578.363	31.50	46.98	0.6325	35.97
IAC	MaximumDownstreamPressure	83.06	100.00	24497.536	30.85	45.10	0.6325	35.97
SCA	MaximumDownstreamPressure	81.35	100.00	23226.578	29.02	44.66	0.6325	35.97
ARC	Bypass	86.80	86.80	591.954	23.14	23.14	0.6325	35.97
PLN	MaximumDownstreamPressure	89.27	99.80	10287.015	30.84	39.95	0.6325	35.97
CBO	MaximumDownstreamPressure	85.47	99.80	6341.954	25.34	37.77	0.6325	35.97
SID_mod	MaximumDownstreamPressure	60.60	74.50	2841.500	20.35	36.48	0.6325	35.97
BIG	MaximumDownstreamPressure	55.95	75.00	3239.814	21.06	44.07	0.6325	35.97

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			
		Up	Down		Up	Down		
CBA-B	BankControl	73.45	100.00	14941.404	42.20	66.91	0.6325	35.97
CBA-A	BankControl	73.45	100.00	14941.404	42.20	66.91	0.6325	35.97
MRD-B	BankControl	73.86	100.00	14884.682	31.35	55.00	0.6325	35.97
MRD-A	BankControl	73.86	100.00	14884.682	31.35	55.00	0.6325	35.97
ANT-B	BankControl	74.07	100.00	14828.195	31.50	54.93	0.6325	35.97
ANT-A	BankControl	74.07	100.00	14828.195	31.50	54.93	0.6325	35.97
CGR-D	BankControl	75.70	100.00	7387.740	31.74	54.30	0.6325	35.97
CGR-C	BankControl	75.70	100.00	7387.740	31.74	54.30	0.6325	35.97
CGR-B	BankControl	75.70	100.00	7387.740	31.74	54.30	0.6325	35.97
CGR-A	BankControl	75.70	100.00	7387.740	31.74	54.30	0.6325	35.97
RRP-B	BankControl	73.37	100.00	14719.179	31.35	55.47	0.6325	35.97
RRP-A	BankControl	73.37	100.00	14719.179	31.35	55.47	0.6325	35.97
TLG-A	BankControl	73.36	100.00	14662.800	31.03	55.14	0.6325	35.97
TLG-B	BankControl	73.36	100.00	14662.800	31.03	55.14	0.6325	35.97
MIR-B	BankControl	77.70	100.00	12323.310	30.26	49.48	0.6325	35.97
MIR-A	BankControl	77.70	100.00	12323.310	30.26	49.48	0.6325	35.97
PEN-D	Closed	83.58	100.00	0.000	31.50	46.98	0.6325	35.97
PEN-C	BankControl	83.58	100.00	8192.788	31.50	46.98	0.6325	35.97
PEN-B	BankControl	83.58	100.00	8192.788	31.50	46.98	0.6325	35.97
PEN-A	BankControl	83.58	100.00	8192.788	31.50	46.98	0.6325	35.97

IAC-B	BankControl	83.06	100.00	12248.768	30.85	45.10	0.6325	35.97
IAC-A	BankControl	83.06	100.00	12248.768	30.85	45.10	0.6325	35.97
SCA-B	BankControl	81.35	100.00	11613.289	29.02	44.66	0.6325	35.97
SCA-A	BankControl	81.35	100.00	11613.289	29.02	44.66	0.6325	35.97
ARC_MCD	Closed	91.12	91.12	0.000	23.14	23.14	0.6325	35.97
ARC_MCC	Closed	91.12	91.12	0.000	23.14	23.14	0.6325	35.97
ARC_MCB	Closed	91.12	91.12	0.000	23.14	23.14	0.6325	35.97
ARC_MCA	Closed	91.12	91.12	0.000	23.14	23.14	0.6325	35.97
PLN-A	MinimumSpeed	89.27	99.80	15456.419	30.84	39.95	0.6325	35.97
PLN-B	Closed	89.27	99.80	0.000	30.84	39.95	0.6325	35.97
CBO-C	Closed	85.47	99.80	0.000	25.34	37.77	0.6325	35.97
CBO-B	MinimumSpeed	85.47	99.80	6615.355	25.34	37.77	0.6325	35.97
CBO-A	MinimumSpeed	85.47	99.80	6615.355	25.34	37.77	0.6325	35.97
SID_MCC	Closed	60.60	74.50	0.000	20.35	36.48	0.6325	35.97
SID_MCB	BankControl	60.60	74.50	1420.750	20.35	36.48	0.6325	35.97
SID_MCA	BankControl	60.60	74.50	1420.750	20.35	36.48	0.6325	35.97
SID_MCD	Closed	60.60	74.50	0.000	20.35	36.48	0.6325	35.97
BIG_MCB	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97
BIG_MCA	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97
BIG_MCC	BankControl	55.95	75.00	1079.938	21.06	44.07	0.6325	35.97

Accumulated Volume Summary			
Bank Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA	29882.8084	0.0000	24.000
MRD	29769.3639	0.0000	24.000
ANT	29656.3909	0.0000	24.000
CGR	29550.9611	0.0000	24.000
RRP	29438.3574	0.0000	24.000
TLG	29325.5997	0.0000	24.000
MIR	24646.6203	0.0000	24.000
PEN	24578.3629	0.0000	24.000
IAC	24497.5355	0.0000	24.000
SCA	23226.5775	0.0000	24.000
ARC	591.9542	0.0000	24.000
PLN	10287.0155	0.0000	24.000
CBO	6341.9542	0.0000	24.000
SID_mod	2841.5000	0.0000	24.000
BIG	3239.8143	0.0000	24.000

Accumulated Volume Summary			
Member	Current Flow	Accumulated	Timer

Name	Rate	Volume	Value
	kSm3/d	KPM3	hours
CBA-B	14941.4042	0.0000	24.000
CBA-A	14941.4042	0.0000	24.000
MRD-B	14884.6820	0.0000	24.000
MRD-A	14884.6820	0.0000	24.000
ANT-B	14828.1954	0.0000	24.000
ANT-A	14828.1954	0.0000	24.000
CGR-D	7387.7403	0.0000	24.000
CGR-C	7387.7403	0.0000	24.000
CGR-B	7387.7403	0.0000	24.000
CGR-A	7387.7403	0.0000	24.000
RRP-B	14719.1787	0.0000	24.000
RRP-A	14719.1787	0.0000	24.000
TLG-A	14662.7998	0.0000	24.000
TLG-B	14662.7998	0.0000	24.000
MIR-B	12323.3102	0.0000	24.000
MIR-A	12323.3102	0.0000	24.000
PEN-D	0.0000	0.0000	24.000
PEN-C	8192.7876	0.0000	24.000
PEN-B	8192.7876	0.0000	24.000
PEN-A	8192.7876	0.0000	24.000
IAC-B	12248.7678	0.0000	24.000
IAC-A	12248.7678	0.0000	24.000
SCA-B	11613.2888	0.0000	24.000
SCA-A	11613.2888	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	15456.4194	0.0000	24.000
PLN-B	0.0000	0.0000	24.000
CBO-C	0.0000	0.0000	24.000
CBO-B	6615.3547	0.0000	24.000
CBO-A	6615.3547	0.0000	24.000
SID_MCC	0.0000	0.0000	24.000
SID_MCB	1420.7500	0.0000	24.000
SID_MCA	1420.7500	0.0000	24.000
SID_MCD	0.0000	0.0000	24.000
BIG_MCB	1079.9381	0.0000	24.000
BIG_MCA	1079.9381	0.0000	24.000
BIG_MCC	1079.9381	0.0000	24.000

Pressure/Flow Violation Reports : 0.000 hours

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

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

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

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

Setpoint/Constraint Violation Reports : 0.000 hours

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

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

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

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