

Worksheet 3. Dissolved gas data

[Estimated recharge elevation is in feet. Temperatures are in celsius. Gas concentrations are in mg/L. Excess air is in cubic centimeters at STP/L]

Station number	Date	Time	Repl- cate	Recharge elevation	Field temper- ature	CH ₄	CO ₂	N ₂	O ₂	Ar	Recharge temper- ature	Excess air	Comments
352743114591901	10/7/2003	1000	1	4000	34	0.000	3.514	12.829	2.681	0.4613	22.7	0.6	
352743114591901	10/7/2003	1000	2	4000	34	0.000	3.514	12.656	2.056	0.4554	23.2	0.5	
353114114524801	10/7/2003	1330	1	3700	23	0.003	3.102	22.637	0.054	0.6681	16.4	8.9	
353114114524801	10/7/2003	1330	2	3700	23	0.003	3.278	23.138	0.066	0.6762	16.5	9.5	
355000115255301	9/16/2003	1145	1	5000	20	0.000	18.370	13.095	1.991	0.4866	17.3	0.1	
355000115255301	9/16/2003	1145	2	5000	20	0.000	19.792	13.144	0.563	0.4901	16.9	0.0	
360203115163201	10/9/2003	1130	1	3000	28	0.000	18.595	13.886	2.106	0.4940	21.7	0.9	
360203115163201	10/9/2003	1130	2	3000	28	0.000	17.810	13.689	3.212	0.4895	21.9	0.8	
361044114505601	9/16/2003	1600	1	2000	30	0.001	3.297	17.398	5.193	0.5803	19.0	3.3	
361044114505601	9/16/2003	1600	2	2000	30	0.000	3.664	17.331	5.285	0.5775	19.3	3.3	
361156115570201	10/9/2003	1445	1	3500	25.5	0.002	16.584	20.338	2.172	0.6317	16.3	6.4	
361156115570201	10/9/2003	1445	2	3500	25.5	0.002	16.176	23.660	4.170	0.6897	16.1	9.8	
361313116013001	10/9/2003	1645	1	3000	20	0.000	46.651	17.982	3.188	0.6033	15.4	3.5	
361313116013001	10/9/2003	1645	2	3000	20	0.000	47.771	18.050	1.894	0.6083	14.9	3.4	
361440115174601	10/8/2003	1045	1	3000	23	0.000	16.498	16.931	5.133	0.5795	16.3	2.7	
361440115174601	10/8/2003	1045	2	3000	23	0.000	15.846	16.136	4.471	0.5667	16.2	1.8	
361928115160401	10/8/2003	1730	1	3000	21	0.000	12.788	15.243	2.813	0.5413	17.7	1.3	
361928115160401	10/8/2003	1730	2	3000	21	0.000	12.820	15.382	3.103	0.5440	17.6	1.5	
362531116214901	5/21/2003	1100	1	5000	25	0.002	9.831	24.210	0.061	0.8063	1.4	5.9	
362531116214901	5/21/2003	1100	2	5000	25								Lost sample - bad injection
362613115442401	9/15/2003	1800	1	8000	15	0.000	17.935	15.602	0.725	0.5634	7.7	1.4	
362613115442401	9/15/2003	1800	2	8000	15	0.000	17.093	15.678	2.271	0.5631	7.9	1.6	
364340114430301	9/17/2003	1500	1	1800	31	0.000	20.716	12.711	0.660	0.4390	30.9	1.0	
364340114430301	9/17/2003	1500	2	1800	31	0.000	21.092	12.744	0.192	0.4378	31.3	1.1	
364624114031301	9/17/2003	1100	1	3000	32	0.002	8.554	18.485	0.050	0.6092	15.8	4.1	
364624114031301	9/17/2003	1100	2	3000	32	0.002	8.589	17.752	0.046	0.5949	16.1	3.4	
364627114074401	9/17/2003	1230	1	2000	24	0.000	12.131	15.761	0.043	0.5644	17.2	1.2	
364627114074401	9/17/2003	1230	2	2000	24	0.000	11.916	15.953	0.042	0.5661	17.4	1.4	
365834114590001	9/18/2003	0845	1	7000	20.5	0.000	20.277	15.344	1.980	0.5445	11.2	1.7	
365834114590001	9/18/2003	0845	2	7000	20.5	0.000	19.747	15.045	1.395	0.5376	11.4	1.5	
370246116461901	5/20/2003	1900	1	5000	29	0.000	7.866	11.784	3.098	0.4293	23.7	0.2	
370246116461901	5/20/2003	1900	2	5000	29	0.000	8.044	12.244	2.917	0.4388	23.4	0.6	
370504116404903	5/21/2003	1130	1	5000	26	0.000	4.775	11.635	2.033	0.4153	26.1	0.5	
370504116404903	5/21/2003	1130	2	5000	26	0.000	4.993	11.998	1.742	0.4233	25.7	0.8	
371647117015201	8/27/2003	1030	1	5500	21.5	0.000	19.230	10.927	1.261	0.3970	26.6	0.1	
371647117015201	8/27/2003	1030	2	5500	21.5	0.000	19.207	10.994	1.310	0.3968	26.9	0.2	

372431115110901	9/10/2003	1000	1	3700	19	0.001	31.184	15.706	1.289	0.5484	16.7	1.9
372431115110901	9/10/2003	1000	2	3700	19	0.000	31.594	15.736	1.118	0.5489	16.7	1.9
373708114320701	9/10/2003	1245	1	4500	28	0.001	1.058	15.388	4.152	0.5330	16.9	2.1
373708114320701	9/10/2003	1245	2	4500	28	0.002	1.209	15.557	3.565	0.5359	16.9	2.2
373840115445201	9/9/2003	1845	1	6000	17	0.000	6.524	13.638	2.015	0.4936	16.1	0.8
373840115445201	9/9/2003	1845	2	6000	17	0.000	6.515	13.557	1.880	0.4913	16.2	0.8
374124114270001	9/10/2003	1430	1	5000	16	0.001	10.950	16.438	2.053	0.5713	13.1	2.3
374124114270001	9/10/2003	1430	2	5000	16	0.001	11.742	16.082	1.087	0.5629	13.4	2.1
374219118050901	8/26/2003	1800	1	11000	16.5	0.000	8.541	19.034	0.052	0.6534	-0.1	3.7
374219118050901	8/26/2003	1800	2	11000	16.5	0.000	8.257	19.382	0.048	0.6632	-0.5	3.9
374422117393001	8/27/2003	1630	1	7000	26	0.000	9.478	15.068	1.134	0.5044	16.8	2.9
374422117393001	8/27/2003	1630	2	7000	26	0.000	9.512	15.023	1.042	0.5030	16.9	2.9
375224117145401	10/6/2003	1530	1	5500	24	0.000	3.600	13.441	0.028	0.4573	22.9	1.9
375224117145401	10/6/2003	1530	2	5500	24	0.000	3.441	13.138	0.105	0.4502	23.3	1.7
375404114175301	9/10/2003	1730	1	5100	13	0.000	35.055	18.968	4.797	0.6049	14.3	5.3
375404114175301	9/10/2003	1730	2	5100	13	0.000	36.397	18.093	3.697	0.5890	14.5	4.5
375837118190501	8/26/2003	1500	1	7500	16.2	0.000	6.955	13.337	3.054	0.4911	13.3	0.5
375837118190501	8/26/2003	1500	2	7500	16.2	0.000	6.167	13.235	4.061	0.4874	13.6	0.5
380120114120701	9/11/2003	1100	1	6000	11	0.008	21.742	20.552	0.099	0.6694	7.9	5.4
380120114120701	9/11/2003	1100	2	6000	11	0.008	21.490	20.142	0.043	0.6647	7.6	4.9
381227116381001	8/28/2003	1015	1	8000	22	0.000	12.426	14.151	1.343	0.5214	10.1	0.7
381227116381001	8/28/2003	1015	2	8000	22	0.000	12.217	14.348	1.475	0.5257	9.9	0.8
381908114385701	9/11/2003	1730	1	6500	12	0.000	47.250	17.399	0.297	0.6103	7.8	2.4
381908114385701	9/11/2003	1730	2	6500	12	0.000	47.338	17.331	0.320	0.6079	8.0	2.4
381941114362801	9/11/2003	1515	1	6500	17	0.000	8.001	13.940	5.745	0.5179	12.3	0.3
381941114362801	9/11/2003	1515	2	6500	17	0.000	8.009	13.930	5.604	0.5153	12.7	0.4
381947114331201	9/11/2003	1345	1	6000	14.7	0.000	12.669	16.186	4.541	0.5821	9.5	1.5
381947114331201	9/11/2003	1345	2	6000	14.7	0.000	13.278	16.325	4.023	0.5866	9.2	1.5
382212116235101	8/28/2003	1230	1	7000	16.2	0.000	15.464	21.444	0.701	0.6453	11.6	8.1
382212116235101	8/28/2003	1230	2	7000	16.2	0.000	15.601	21.918	0.524	0.6507	12.0	8.7
382328117262501	8/26/2003	1100	1	9000	19.5	0.000	3.641	13.339	1.783	0.4792	12.9	1.1
382328117262501	8/26/2003	1100	2	9000	19.5	0.000	3.296	13.377	2.330	0.4814	12.6	1.1
382328117262501	10/6/2003	1315	1	5500	20	0.000	3.581	13.653	2.181	0.4893	17.6	1.0
382328117262501	10/6/2003	1315	2	5500	20	0.000	3.837	13.229	1.658	0.4797	18.1	0.6
382825118393801	9/9/2003	1315	1	6000	17.7	0.000	12.288	15.585	2.955	0.5573	11.5	1.5
382825118393801	9/9/2003	1315	2	6000	17.7	0.000	12.219	15.398	3.569	0.5544	11.4	1.3
383902118451301	9/15/2003	1100	1	6000	26.5	0.001	7.185	17.437	3.054	0.5946	10.7	3.2
383902118451301	9/15/2003	1100	2	6000	26.5	0.001	7.107	17.525	3.067	0.5981	10.4	3.2
384631115250701	9/4/2003	1345	1	6000	13.8	0.000	66.188	15.642	1.555	0.5517	12.4	1.8
384631115250701	9/4/2003	1345	2	6000	13.8	0.000	65.932	15.637	1.177	0.5536	12.1	1.7
384706115241301	9/4/2003	1500	1	6000	16	0.000	40.394	15.447	1.921	0.5597	10.8	1.2
384706115241301	9/4/2003	1500	2	6000	16	0.000	40.595	15.428	1.898	0.5602	10.7	1.1

384837117580801	8/25/2003	1900	1	9000	24	0.000	3.560	13.004	0.696	0.4637	14.5	1.2	
384837117580801	8/25/2003	1900	2	9000	24	0.000	4.005	12.914	0.758	0.4630	14.4	1.1	
385231119252101	7/14/2003	1000	1	6500	17	0.000	14.925	18.947	6.159	0.6520	4.6	3.4	
385231119252101	7/14/2003	1000	2	6500	17	0.000	15.093	19.110	6.251	0.6572	5.7	3.4	
385238117350301	8/25/2003	1600	1	8500	11.9	0.000	15.661	18.486	3.212	0.6127	7.0	4.4	
385238117350301	8/25/2003	1600	2	8500	11.9	0.000	16.794	16.471	2.495	0.5763	7.2	2.4	
385304119460601	5/30/2003	1245	1	9000	25	0.000	3.695	17.194	4.906	0.6172	3.1	1.9	
385304119460601	5/30/2003	1245	2	9000	25	0.000	3.499	65.446	20.384	1.4359	3.6	51.6	Leak
385348115015001	9/4/2003	1000	1	6000	13.9	0.000	17.093	15.395	3.164	0.5582	10.9	1.1	
385348115015001	9/4/2003	1000	2	6000	13.9								Sample lost
385606119412201	7/15/2003	0850	1	6500	18	0.000	8.156	23.870	5.809	0.7451	7.1	7.9	
385612115025601	9/12/2003	0830	1	6000	16	0.000	9.951	15.807	5.931	0.5662	10.7	1.5	
385612119464101	5/30/2003	1030	1	9000	27	0.000	61.937	21.675	0.838	0.6734	5.5	7.4	
385612119464101	5/30/2003	1030	2	9000	27	0.000	61.854	18.711	0.071	0.6194	5.9	4.5	
385655119413101	7/9/2003	1045	1	5500	20.5	0.000	3.864	19.358	6.909	0.6220	10.7	5.4	
385655119413101	7/9/2003	1045	2	5500	20.5	0.000	3.904	19.283	6.755	0.6199	12.3	5.3	
385815119500301	5/1/2003	1530	1	6000	12	1.712	50.209	15.032	0.059	0.5569	10.2	0.5	
385815119500301	5/1/2003	1530	2	6000	12	1.763	49.709	15.435	0.059	0.5668	9.8	0.8	
385816119482401	5/2/2003	1100	1	6000	11.2	0.344	7.430	19.422	0.072	0.6444	8.6	4.5	
385816119482401	5/2/2003	1100	2	6000	11.2	0.468	7.840	20.210	0.050	0.6613	8.2	5.2	
390028114110401	9/3/2003	1145	1	8000	14	0.000	31.494	22.649	4.984	0.7238	3.0	6.9	
390028114110401	9/3/2003	1145	2	8000	14	0.000	31.952	22.596	4.595	0.7232	2.9	6.8	
390148119564101	8/8/2003	1000	1	8000	9.5	0.000	50.553	21.585	3.620	0.7097	2.5	5.6	
390148119564101	8/8/2003	1000	2	8000	9.5	0.000	49.768	21.227	3.279	0.7026	2.6	5.3	
390315119403201	7/15/2003	1045	1	7000	23	0.000	73.560	16.418	1.044	0.5633	13.1	2.7	
390315119403201	7/15/2003	1045	2	7000	23								Sample lost
390553119543001	8/8/2003	1230	1	8000	10.7	0.000	7.078	20.703	0.733	0.6930	2.7	4.8	
390553119543001	8/8/2003	1230	2	8000	10.7	0.000	6.979	20.842	0.715	0.6931	2.9	5.0	
390637119472301	7/2/2003	1330	1	7000	16.4	0.000	3.098	20.590	4.174	0.6663	7.6	5.7	
390637119472301	7/2/2003	1330	2	7000	16.4	0.000	3.086	20.824	4.212	0.6721	6.7	5.8	
390637119472303	7/2/2003	1020	1	7000	15.3	0.000	5.446	16.500	4.757	0.5853	7.6	2.0	
390637119472303	7/2/2003	1020	2	7000	15.3	0.000	5.710	16.550	4.545	0.5879	8.1	2.0	
390657119492101	8/8/2003	1500	1	7000	12	0.000	31.152	20.178	4.344	0.6646	6.3	5.0	
390657119492101	8/8/2003	1500	2	7000	12	0.000	31.812	20.474	4.197	0.6719	6.0	5.2	
390843119462601	6/27/2003	1315	1	7000	19.5								Sample lost
390843119462601	6/27/2003	1315	2	7000	19.5	0.003	0.091	20.165	0.044	0.6127	15.6	7.1	
390952114214401	9/3/2003	1430	1	7000	14	0.000	16.188	33.839	10.937	0.8642	10.6	20.5	
390952114214401	9/3/2003	1430	2	7000	14								Bottle open - sample lost
390955119481001	7/8/2003	1145	1	7000	18	0.002	17.051	17.776	0.613	0.6300	4.1	2.4	
390955119481001	7/8/2003	1145	2	7000	18	0.002	17.290	17.822	0.534	0.6343	5.1	2.2	
390955119481002	7/8/2003	1315	1	7000	15.5	0.000	21.032	39.960	4.878	0.9939	5.8	25.7	
390955119481002	7/8/2003	1315	2	7000	15.5	0.000	19.863	24.284	1.346	0.7390	5.7	9.0	

391111119481901	7/7/2003	1030	1	7000	18	0.000	44.501	14.717	5.201	0.5380	9.1	0.9	
391111119481901	7/7/2003	1030	2	7000	18	0.000	45.258	14.472	4.405	0.5360	10.3	0.5	
391127119442501	5/30/2003	1500	1	9000	25	0.000	16.875	18.123	6.679	0.5922	8.2	4.7	
391127119442501	5/30/2003	1500	2	9000	25	0.000	16.816	18.533	6.829	0.6016	7.8	5.0	
391158119555001	8/7/2003	1130	1	8000	10.1	0.001	54.703	20.248	0.121	0.6733	4.0	4.8	
391158119555001	8/7/2003	1130	2	8000	10.1	0.000	53.814	20.504	0.062	0.6808	3.6	5.0	
391201119421501	7/15/2003	1410	1	5500	20	0.000	3.786	16.814	5.747	0.5664	11.6	3.3	
391201119421501	7/15/2003	1410	2	5500	20	0.000	3.579	16.630	5.851	0.5644	13.8	3.0	
391301114515701	9/2/2003	0915	1	7500	13	0.000	4.164	15.136	3.631	0.5471	9.6	1.3	
391301114515701	9/2/2003	0915	2	7500	13	0.000	4.303	14.938	3.116	0.5419	9.8	1.1	
391949114525001	9/2/2003	1300	1	7000	13.5	0.000	7.839	15.291	3.641	0.5432	11.2	1.7	
391949114525001	9/2/2003	1300	2	7000	13.5	0.000	7.075	15.527	4.614	0.5503	10.8	1.8	
392028114290301	9/2/2003	1900	1	8000	15.4	0.000	6.090	20.069	4.688	0.6280	9.3	6.5	
392028114290301	9/2/2003	1900	2	8000	15.4	0.000	6.259	20.172	4.370	0.6311	9.1	6.5	
392145116541302	6/4/2003	1530	1	7000	28	0.000	4.598	14.625	3.673	0.5081	14.8	2.0	
392145116541302	6/4/2003	1330	2	7000	28	0.000	4.989	14.509	3.376	0.5081	14.5	1.8	
392308116553401	6/3/2003	1530	1	7000	38.4	0.000	9.327	22.071	5.792	0.6104	19.2	10.7	
392308116553401	6/3/2003	1530	2	7000	38.4								Sample lost - bottle cracked
392327118425401	1/30/2003	1330	1	3920	15	0.002	8.302	17.049	0.077	0.5744	15.8	3.2	
392327118425401	1/30/2003	1330	2	3920	15	0.002	8.131	17.254	0.040	0.5791	15.7	3.3	
392410119041201	7/17/2003	1130	1	5000	30	0.001	0.058	23.914	3.689	0.6363	22.8	12.6	
392410119041201	7/17/2003	1130	2	5000	30								Sample lost
392507119032001	7/17/2003	0940	1	5000	28	0.000	11.512	11.754	2.250	0.4120	26.4	0.9	
392507119032001	7/17/2003	0940	2	5000	28	0.000	11.509	12.042	2.356	0.4186	26.9	1.1	
392622117171301	8/18/2003	1730	1	7000	19	0.000	4.041	17.669	3.834	0.6057	8.2	3.2	
392622117171301	8/18/2003	1730	2	7000	19	0.000	5.085	17.606	3.383	0.6040	8.3	3.1	
392733118463801	6/11/2003	1015	1	7000	22	0.000	48.879	15.891	2.260	0.5623	10.0	1.9	
392733118463801	6/11/2003	1015	2	7000	22								Lost sample - bad injection
392829118520001	6/11/2003	1300	1	7000	26	0.000	10.899	17.684	6.228	0.6181	6.7	2.6	
392829118520001	6/11/2003	1300	2	7000	26	0.000	11.672	17.980	5.786	0.6251	6.5	2.9	
393004118514201	1/29/2003	1330	1	4000	17.5	0.000	2.757	13.720	5.078	0.4972	19.0	0.6	
393004118514201	1/29/2003	1330	2	4000	17.5	0.000	2.726	13.758	5.081	0.4977	19.0	0.7	
393006118515101	1/29/2003	1135	1	4000	17.5	0.000	0.179	15.925	1.690	0.5412	17.9	2.6	
393006118515101	1/29/2003	1135	2	4000	17.5	0.000	0.191	15.607	1.757	0.5344	18.1	2.3	
393109117462601	9/5/2003	1130	1	6500	14.4	0.000	15.176	19.206	4.111	0.6424	7.7	4.2	
393109117462601	9/5/2003	1130	2	6500	14.4	0.000	15.285	19.087	3.917	0.6407	7.6	4.1	
393243119340901	12/12/2002	1315	1	4347	16	0.000	29.550	16.425	4.597	0.5742	13.6	2.1	
393243119340901	12/12/2002	1315	2	4347	16	0.000	29.985	16.231	4.529	0.5692	13.9	2.0	
393358116003101	8/21/2003	0900	1	6500	12.5	0.000	7.870	16.961	1.667	0.5835	10.3	2.8	
393358116003101	8/21/2003	0900	2	6500	12.5	0.000	7.707	16.805	1.824	0.5808	10.3	2.7	
393535116012001	8/21/2003	1100	1	6500	12.5	0.000	16.307	16.303	2.697	0.5731	10.2	2.1	
393535116012001	8/21/2003	1100	2	6500	12.5	0.000	16.259	16.320	2.830	0.5719	10.4	2.2	

393718119170201	12/11/2002	1215	1	4085	15.5	0.000	5.244	18.031	3.856	0.6346	9.7	2.3
393718119170201	12/11/2002	1215	2	4085	15.5	0.000	5.405	17.672	3.652	0.6285	9.7	2.0
393858118453702	6/11/2003	1400	1	7000	33	0.006	2.429	12.760	0.049	0.4390	21.6	1.6
393858118453702	6/11/2003	1400	2	7000	33	0.006	2.491	12.984	0.031	0.4429	21.6	1.9
394505119401201	9/22/2003	1345	1	6500	20.9	0.000	13.966	15.531	0.844	0.5273	15.0	2.7
394505119401201	9/22/2003	1345	2	6500	20.9	0.000	13.088	16.771	0.030	0.5457	15.5	4.1
395102115444201	8/20/2003	1500	1	6000	14	0.000	8.489	17.445	4.364	0.5955	10.6	3.1
395102115444201	8/20/2003	1500	2	6000	14	0.000	8.538	17.628	4.431	0.6021	10.1	3.2
395657119571601	6/25/2003	1000	1	7800	18.5	0.000	19.866	16.223	2.192	0.5786	9.3	1.7
395657119571601	6/25/2003	1000	2	7800	18.5	0.001	19.839	16.041	2.590	0.5810	6.7	1.4
395734119595503	5/7/2003	1130	1	5700	12	0.003	14.030	19.372	0.054	0.6236	11.7	5.3
395734119595503	5/7/2003	1130	2	5700	12	0.003	13.793	19.727	0.077	0.6283	11.9	5.7
395737119595501	5/14/2003	1245	1	6000	16	0.001	9.257	19.450	0.072	0.6499	8.0	4.3
395737119595501	5/14/2003	1245	2	6000	16	0.001	9.489	19.741	0.047	0.6551	7.9	4.6
400223117154201	8/19/2003	1200	1	5500	20.5	0.000	8.702	16.530	0.710	0.5859	10.5	1.9
400223117154201	8/19/2003	1200	2	5500	20.5	0.000	8.761	16.505	0.652	0.5881	10.2	1.8
400605117110401	8/19/2003	1000	1	5500	15.5	0.000	26.526	43.530	11.352	1.0183	14.5	30.8
400605117110401	8/19/2003	1000	2	5500	15.5	0.000	27.166	43.970	10.534	1.0263	14.5	31.2
400849119485301	6/18/2003	1615	1	6000	32	0.001	6.386	13.573	0.658	0.4563	22.7	2.2
400849119485301	6/18/2003	1615	2	6000	32	0.000	6.356	13.494	0.614	0.4552	22.6	2.2
401235119491601	6/18/2003	1820	1	6500	28	0.002	7.735	17.631	0.050	0.5745	13.3	4.4
401235119491601	6/18/2003	1820	2	6500	28	0.002	7.721	17.680	0.057	0.5750	13.3	4.5
401950118185201	8/14/2003	1000	1	6000	20	0.000	3.105	16.284	0.864	0.5776	10.3	1.9
401950118185201	8/14/2003	1000	2	6000	20	0.000	3.806	16.204	0.818	0.5789	10.0	1.7
402639119274301	9/24/2003	1045	1	5500	20	0.000	11.416	14.674	0.733	0.5222	15.1	1.4
402639119274301	9/24/2003	1045	2	5500	20	0.000	12.038	14.435	0.037	0.5160	15.4	1.2
403435116530601	8/19/2003	1600	1	5500	15	0.000	3.591	16.506	0.635	0.5950	9.3	1.5
403435116530601	8/19/2003	1600	2	5500	15	0.000	4.398	21.014	0.981	0.6681	9.8	6.2
403614119445401	9/22/2003	1748	1	5500	31	0.000	0.824	15.588	0.030	0.5283	16.6	2.7
403614119445401	9/22/2003	1748	2	5500	31	0.000	0.825	15.402	0.031	0.5231	17.0	2.6
403634117390201	7/31/2003	1600	1	6000	32.3	0.048	46.992	10.487	0.039	0.4053	22.4	-1.0
403634117390201	7/31/2003	1600	2	6000	32.3	0.047	47.015	10.539	0.044	0.4059	22.4	-0.9
404229119275401	9/23/2003	1000	1	5000	17.8	0.006	0.805	17.593	0.044	0.6039	11.3	3.0
404229119275401	9/23/2003	1000	2	5000	17.8	0.006	0.805	16.677	0.054	0.5867	11.5	2.1
404345116142701	7/30/2003	1630	1	6500	14.6	0.007	68.010	19.419	0.056	0.6387	8.6	4.8
404345116142701	7/30/2003	1630	2	6500	14.6	0.007	66.758	19.349	0.066	0.6373	8.6	4.7
404605116074901	7/31/2003	0900	1	6000	15	0.000	17.223	17.371	1.814	0.6059	9.0	2.6
404605116074901	7/31/2003	0900	2	6000	15							
404757116155101	7/23/2003	1530	1	6500	13.5	0.012	29.057	22.961	0.075	0.7214	5.2	7.5
404757116155101	7/23/2003	1530	2	6500	13.5	0.011	29.979	22.545	0.060	0.7124	6.1	7.1
404759116115401	7/22/2003	1120	1	6000	32	0.000	33.755	13.906	0.039	0.4770	18.1	2.0
404759116115401	7/22/2003	1120	2	6000	32	0.000	34.311	14.173	0.041	0.4829	19.5	2.2

Bottle broken - sample lost

404803116062601	7/22/2003	1630	1	6000	22	0.000	7.653	15.260	1.541	0.5434	11.9	1.6
404803116062601	7/22/2003	1630	2	6000	22	0.000	7.933	15.365	1.409	0.5454	12.6	1.6
404809119303301	9/24/2003	1330	1	5000	15.6	0.000	18.185	16.835	3.183	0.5812	12.6	2.6
404809119303301	9/24/2003	1330	2	5000	15.6	0.000	17.651	16.890	4.159	0.5834	12.4	2.6
405258119193701	9/23/2003	1400	1	5500	22	0.000	18.020	15.321	0.086	0.5225	16.8	2.5
405258119193701	9/23/2003	1400	2	5500	22	0.000	18.179	15.463	0.067	0.5246	16.9	2.6
405558116204901	6/5/2003	0945	1	7000	18	0.000	14.909	18.556	8.078	0.6134	9.2	4.4
405558116204901	6/5/2003	0945	2	7000	18	0.000	14.949	18.895	8.011	0.6188	9.3	4.7
405832116164401	7/31/2003	1030	1	6500	14.5	0.092	5.972	22.755	0.071	0.7627	1.2	5.3
405832116164401	7/31/2003	1030	2	6500	14.5	0.111	5.842	22.539	0.068	0.7566	1.4	5.2
405921116152101	7/23/2003	1245	1	6500	11.7	0.004	18.025	24.971	0.070	0.7742	2.6	8.8
405921116152101	7/23/2003	1245	2	6500	11.7	0.004	17.865	25.459	0.082	0.7861	3.5	9.0
410030115003401	10/21/2003	0930	1	7000	10	0.000	9.675	20.457	4.743	0.6921	3.7	4.3
410030115003401	10/21/2003	0930	2	7000	10	0.000	10.025	20.451	4.089	0.6940	3.5	4.2
410213115143701	10/20/2003	1315	1	8000	13.3	0.000	6.089	19.238	0.166	0.6259	7.7	5.1
410213115143701	10/20/2003	1315	2	8000	13.3	0.000	6.041	18.775	0.053	0.6178	7.7	4.6
410541114420401	10/23/2003	1200	1	6500	14.7	0.000	13.080	15.508	4.011	0.5650	9.5	1.1
410541114420401	10/23/2003	1200	2	6500	14.7	0.000	12.287	15.081	4.689	0.5579	9.5	0.6
410652114553401	10/20/2003	1600	1	6500	15	0.000	5.216	15.844	3.253	0.5548	11.7	2.1
410652114553401	10/20/2003	1600	2	6500	15	0.000	6.668	15.930	1.936	0.5591	11.3	2.1
410657114464901	10/23/2003	1000	1	6500	13.6	0.000	13.328	18.861	0.106	0.6155	10.4	4.8
410657114464901	10/23/2003	1000	2	6500	13.6	0.000	13.067	19.002	0.123	0.6207	10.0	4.8
413043117505201	8/1/2003	0830	1	4500	18	0.000	34.249	16.826	4.139	0.5873	12.5	2.3
413043117505201	8/1/2003	0830	2	4500	18	0.000	38.461	17.041	3.571	0.5932	12.2	2.4
414250118305801	8/14/2003	1400	1	5000	26	0.000	8.580	12.031	2.097	0.4446	21.5	0.0
414250118305801	8/14/2003	1400	2	5000	26	0.000	9.088	12.080	1.581	0.4475	21.1	-0.1
415410118570001	8/14/2003	1815	1	5500	16	0.000	4.080	16.979	0.045	0.5712	13.6	3.3
415410118570001	8/14/2003	1815	2	5500	16	0.003	4.217	16.927	0.035	0.5680	14.0	3.4
415621118365701	8/14/2003	1600	1	6000	20.5	0.000	29.580	15.789	2.478	0.5579	11.9	1.8
415621118365701	8/14/2003	1600	2	6000	20.5	0.000	29.459	15.813	2.540	0.5589	11.8	1.8
415916114402001	10/21/2003	1515	1	6000	20	0.000	10.358	14.453	2.394	0.5259	13.2	0.9
415916114402001	10/21/2003	1515	2	6000	20							

Sample lost - bottle broken