



Bench-scale Test of CrT between 15.2 - 22.4 mg/L-min (15-22.5)

NO	Sampling Date	Sampling Time	Dosage (mg/L Cl <sub>2</sub> )	Contact Time (minute)	TRC (mg/L)	CEPT Effluent E.Coil (cfu/100ml)	Chlorinated Effluent E.Coil (cfu/100ml)	CrT (mg/L-min)
	25/Sep/02	6:00	16	10	1.6	5.40E+06	1.00E+01	16
	25/Sep/02	6:00	13	15	1.2	5.40E+06	8.00E+01	18
	25/Sep/02	6:00	16	5	3.7	5.40E+06	2.70E+02	18.5
	25/Sep/02	6:00	10	35	0.5	5.40E+06	7.20E+02	17.5
	25/Sep/02	6:00	10	40	0.5	5.40E+06	2.00E+03	20
	25/Sep/02	6:00	10	20	0.9	5.40E+06	5.00E+03	18
	25/Sep/02	10:00	20	15	1.2	1.40E+07	1.00E+05	18
	25/Sep/02	10:00	20	10	1.8	1.40E+07	2.00E+06	18
	25/Sep/02	14:00	20	10	2.2	2.40E+07	1.60E+06	22
	25/Sep/02	18:00	25	5	3.9	6.90E+06	6.30E+02	19.5
	25/Sep/02	18:00	16	40	0.4	6.90E+06	6.80E+02	16
	25/Sep/02	18:00	20	5	3.2	6.90E+06	4.00E+03	16
	25/Sep/02	18:00	16	35	0.6	6.90E+06	6.00E+03	21
1111	25/Sep/02	18:00	16	15	1	6.90E+06	5.00E+04	15
	25/Sep/02	22:00	25	5	4.5	1.80E+07	3.00E+01	22.5
	25/Sep/02	22:00	20	5	3.9	1.80E+07	6.00E+01	19.5
	25/Sep/02	22:00	13	35	0.6	1.80E+07	3.20E+02	21
	25/Sep/02	22:00	13	40	0.4	1.80E+07	6.80E+02	16
	25/Sep/02	22:00	16	10	2	1.80E+07	1.20E+03	20

25/Sep/02	0:00	16	10	2	8.80E+06	3.00E+03	20
25/Sep/02	0:00	20	5	4	8.80E+06	3.00E+03	20
25/Sep/02	0:00	16	5	3.4	8.80E+06	1.20E+06	17
26/Sep/02	6:00	13	10	1.8	2.30E+07	6.60E+02	18
26/Sep/02	6:00	10	40	0.5	2.30E+07	7.60E+02	20
26/Sep/02	6:00	10	35	0.6	2.30E+07	7.00E+03	21
26/Sep/02	6:00	16	5	4.1	2.30E+07	7.00E+03	20.5
26/Sep/02	10:00	20	35	0.5	2.50E+07	1.00E+01	17.5
26/Sep/02	10:00	20	40	0.4	2.50E+07	2.00E+01	16
26/Sep/02	14:00	20	10	2	1.20E+07	3.10E+06	20
26/Sep/02	18:00	20	5	3.8	2.50E+07	8.80E+02	19
26/Sep/02	18:00	16	10	1.7	2.50E+07	4.00E+03	17
26/Sep/02	22:00	16	40	0.4	1.80E+07	2.80E+02	16
26/Sep/02	22:00	20	5	3.3	1.80E+07	2.90E+02	16.5
26/Sep/02	0:00	13	20	1.1	6.00E+06	1.60E+02	22
26/Sep/02	0:00	16	10	1.7	6.00E+06	6.40E+02	17
26/Sep/02	0:00	13	15	1.1	6.00E+06	8.00E+02	16.5
27/Sep/02	6:00	13	35	0.6	9.00E+06	1.80E+02	21
27/Sep/02	6:00	13	20	1.1	9.00E+06	3.90E+03	22
27/Sep/02	6:00	13	15	1.2	9.00E+06	5.00E+03	18
27/Sep/02	10:00	20	5	3.2	5.00E+06	1.00E+05	16
27/Sep/02	14:00	20	5	3.7	3.50E+07	5.00E+03	18.5
27/Sep/02	14:00	16	10	1.7	3.50E+07	7.20E+04	17

	27/Sep/02	14:00	13	10	1.8	3.50E+07	1.00E+05	18
	27/Sep/02	22:00	20	5	4.2	1.30E+07	3.60E+01	21
	27/Sep/02	22:00	13	10	1.7	1.30E+07	7.60E+02	17
	27/Sep/02	22:00	16	10	1.9	1.30E+07	2.00E+03	19
18	2-Oct-02	6:00	11	5	3.0	1.10E+07	3.10E+02	15
	2-Oct-02	6:00	9	35	0.5	1.10E+07	5.00E+03	17.5
	2-Oct-02	6:00	9	40	0.4	1.10E+07	6.00E+03	16
7	2-Oct-02	6:00	9	30	0.5	1.10E+07	1.00E+04	15
	2-Oct-02	10:00	16	10	1.8	5.10E+06	5.10E+04	18
	2-Oct-02	10:00	17	5	3.4	5.10E+06	5.40E+04	17
	2-Oct-02	14:00	16	15	1.3	2.90E+07	1.30E+03	19.5
	2-Oct-02	14:00	17	5	4.3	2.90E+07	2.00E+05	21.5
	2-Oct-02	18:00	19	5	4.4	2.90E+07	4.20E+02	22
	2-Oct-02	18:00	17	15	1.4	2.90E+07	1.70E+03	21
	2-Oct-02	18:00	17	10	1.6	2.90E+07	2.00E+03	16
	2-Oct-02	18:00	18	5	4.4	2.90E+07	2.00E+03	22
125	2-Oct-02	18:00	20	5	3.0	2.90E+07	5.30E+03	15
	2-Oct-02	22:00	15	5	3.8	3.10E+07	7.80E+02	19
151	2-Oct-02	22:00	14	10	1.5	3.10E+07	1.00E+03	15
	2-Oct-02	22:00	13	5	3.5	3.10E+07	2.20E+04	17.5
	2-Oct-02	0:00	11	35	0.6	8.00E+06	3.20E+02	21
	2-Oct-02	0:00	11	25	0.8	8.00E+06	4.60E+02	20
	2-Oct-02	0:00	13	10	2.0	8.00E+06	5.00E+02	20

	2-Oct-02	0:00	11	20	0.9	8.00E+06	1.00E+03	18
	2-Oct-02	0:00	11	30	0.7	8.00E+06	1.00E+03	21
	3-Oct-02	6:00	13	5	3.6	5.00E+06	2.00E+04	18
	3-Oct-02	6:00	10	15	1.1	5.00E+06	2.70E+04	16.5
	3-Oct-02	6:00	10	20	1.0	5.00E+06	9.90E+04	20
216	3-Oct-02	6:00	12	5	3.0	5.00E+06	6.20E+05	15
	3-Oct-02	10:00	18	5	4.2	1.00E+07	3.20E+04	21
	3-Oct-02	10:00	17	5	3.4	5.00E+06	4.20E+04	17
	3-Oct-02	10:00	16	10	1.8	5.00E+06	8.00E+05	18
	3-Oct-02	14:00	16	5	3.4	2.90E+07	2.30E+05	17
	3-Oct-02	18:00	19	5	3.6	3.10E+07	1.00E+03	18
307	3-Oct-02	18:00	17	5	3.0	3.10E+07	1.90E+05	15
	3-Oct-02	22:00	14	5	4.1	6.10E+06	1.90E+02	20.5
340	3-Oct-02	22:00	13	5	3.0	6.10E+06	3.60E+02	15
	3-Oct-02	22:00	12	15	1.5	6.10E+06	8.50E+02	22.5
	3-Oct-02	22:00	15	5	4.4	6.10E+06	8.90E+02	22
333	3-Oct-02	22:00	12	10	1.5	6.10E+06	1.00E+03	15
	3-Oct-02	0:00	10	15	1.5	1.40E+07	2.00E+03	22.5
	3-Oct-02	0:00	12	10	2.2	1.40E+07	8.00E+03	22
	3-Oct-02	0:00	13	5	3.6	1.40E+07	1.30E+04	18
366	3-Oct-02	0:00	10	10	1.5	1.40E+07	3.80E+04	15
	4-Oct-02	6:00	15	5	3.4	9.60E+06	1.80E+03	17
	4-Oct-02	6:00	12	25	0.9	9.60E+06	3.00E+03	22.5

	4-Oct-02	6:00	14	5	3.2	9.60E+06	5.00E+03	16
	4-Oct-02	6:00	11	25	0.9	9.60E+06	6.00E+03	22.5
	4-Oct-02	6:00	11	20	0.9	9.60E+06	1.20E+04	18
	4-Oct-02	6:00	12	20	1.0	9.60E+06	1.60E+04	20
408	4-Oct-02	6:00	11	15	1.0	9.60E+06	5.00E+04	15
	4-Oct-02	10:00	17	5	4.0	9.00E+06	1.00E+05	20
	4-Oct-02	10:00	16	5	3.8	9.00E+06	1.30E+05	19
	4-Oct-02	10:00	15	10	2.0	9.00E+06	4.80E+05	20
	4-Oct-02	14:00	10	30	0.6	2.40E+07	3.00E+03	18
	4-Oct-02	14:00	10	40	0.5	2.40E+07	4.00E+03	20
	4-Oct-02	14:00	10	35	0.5	2.40E+07	5.00E+03	17.5
	4-Oct-02	14:00	11	25	0.9	2.40E+07	6.00E+03	22.5
516	4-Oct-02	14:00	10	25	0.6	2.40E+07	8.00E+03	15
	4-Oct-02	14:00	11	20	1.0	2.40E+07	1.20E+04	20
	4-Oct-02	14:00	12	15	1.2	5.50E+07	2.40E+04	18
	4-Oct-02	14:00	11	15	1.2	2.40E+07	2.60E+04	18
536	4-Oct-02	14:00	14	5	3.0	2.40E+07	8.30E+04	15
	4-Oct-02	18:00	20	5	3.4	5.50E+07	1.80E+03	17
	4-Oct-02	18:00	17	15	1.4	5.50E+07	1.90E+03	21
	4-Oct-02	22:00	13	15	1.4	1.90E+07	2.00E+03	21
	4-Oct-02	22:00	14	10	2.1	1.90E+07	1.10E+04	21
	4-Oct-02	22:00	16	5	3.7	1.90E+07	1.50E+04	18.65
595	4-Oct-02	22:00	13	10	1.5	1.90E+07	2.90E+04	15

	4-Oct-02	22:00	15	5	3.4	1.90E+07	3.00E+04	17
	4-Oct-02	0:00	11	25	0.8	7.00E+06	1.60E+01	20
	4-Oct-02	0:00	11	30	0.7	7.00E+06	1.80E+01	21
	4-Oct-02	0:00	12	20	1.1	7.00E+06	2.50E+02	22
	4-Oct-02	0:00	11	20	0.9	7.00E+06	3.20E+02	18
	4-Oct-02	0:00	14	5	3.3	7.00E+06	1.70E+03	16.5
	4-Oct-02	0:00	12	15	1.1	7.00E+06	5.00E+03	16.5
645	4-Oct-02	0:00	11	15	1.0	7.00E+06	1.10E+04	15
	5-Oct-02	6:00	11	15	1.3	5.00E+06	1.30E+03	19.5
	5-Oct-02	6:00	13	10	2.2	5.00E+06	2.00E+03	22
	5-Oct-02	6:00	12	10	1.9	5.00E+06	2.80E+03	19
693	5-Oct-02	6:00	11	10	1.5	5.00E+06	3.80E+03	15
	5-Oct-02	6:00	14	5	3.2	5.00E+06	8.00E+03	16
	5-Oct-02	10:00	14	40	0.4	2.20E+06	1.60E+02	16
	5-Oct-02	10:00	14	25	0.9	2.20E+06	1.00E+03	22.5
	5-Oct-02	10:00	14	30	0.7	2.20E+06	2.00E+03	21
	5-Oct-02	10:00	14	20	0.9	2.20E+06	2.50E+04	18
	5-Oct-02	10:00	16	10	2.2	2.20E+06	4.30E+04	22
	5-Oct-02	10:00	19	5	4.2	2.20E+06	4.50E+04	21
	5-Oct-02	10:00	15	10	1.8	2.20E+06	4.00E+05	18
751	5-Oct-02	10:00	14	15	1.0	2.20E+06	5.00E+05	15
	5-Oct-02	14:00	11	25	0.8	1.00E+07	1.10E+03	20
	5-Oct-02	14:00	11	20	1.0	1.00E+07	1.20E+03	20

808	5-Oct-02	14:00	11	15	1.0	1.00E+07	2.30E+03	15
	5-Oct-02	18:00	18	10	2.0	2.40E+07	9.00E+01	20
	5-Oct-02	18:00	15	15	1.5	2.40E+07	6.00E+03	22.5
	5-Oct-02	18:00	19	5	3.5	2.40E+07	1.10E+04	17.5
	5-Oct-02	18:00	15	10	1.6	2.40E+07	9.00E+04	16
	5-Oct-02	18:00	17	5	3.9	2.40E+07	9.20E+04	19.5
847	5-Oct-02	18:00	16	5	3.0	2.40E+07	7.60E+05	15
	5-Oct-02	22:00	14	15	1.5	1.80E+07	2.40E+02	22.5
	5-Oct-02	22:00	13	10	2.1	1.80E+07	6.20E+02	21
	5-Oct-02	22:00	12	15	1.4	1.80E+07	7.80E+02	21
	5-Oct-02	22:00	14	10	1.8	1.80E+07	6.90E+03	18
905	5-Oct-02	22:00	12	10	1.5	1.80E+07	1.00E+04	15
	5-Oct-02	0:00	12	35	0.6	2.20E+07	9.00E+01	21
	5-Oct-02	0:00	14	15	1.4	2.20E+07	1.00E+02	21
	5-Oct-02	0:00	12	20	0.8	2.20E+07	5.10E+02	16
	5-Oct-02	0:00	11	15	1.5	2.20E+07	1.00E+03	22.5
	5-Oct-02	0:00	14	10	1.8	2.20E+07	1.50E+03	18
	5-Oct-02	0:00	12	30	0.7	2.20E+07	1.90E+03	21
	5-Oct-02	0:00	12	25	0.7	2.20E+07	2.30E+03	17.5
	5-Oct-02	0:00	15	5	3.9	2.20E+07	4.60E+03	19.5
	5-Oct-02	0:00	11	10	1.6	2.20E+07	6.00E+03	16
	5-Oct-02	0:00	17	5	4.2	2.20E+07	1.00E+04	21
	8-Oct-02	6:00	16	5	3.6	1.70E+07	7.00E+02	18



	8-Oct-02	6:00	13	10	2	1.70E+07	1.70E+03	20
	8-Oct-02	6:00	15	5	3.2	1.70E+07	5.80E+03	16
	8-Oct-02	6:00	12	15	1.4	1.70E+07	4.10E+04	21
	8-Oct-02	6:00	12	10	1.6	1.70E+07	5.30E+05	16
	8-Oct-02	10:00	13	20	1.1	5.10E+06	3.00E+03	22
	8-Oct-02	10:00	15	15	1.5	5.10E+06	9.00E+03	22.5
	8-Oct-02	10:00	14	15	1.4	5.10E+06	2.00E+04	21
	8-Oct-02	10:00	13	15	1.1	5.10E+06	4.40E+04	16.5
1708	8-Oct-02	10:00	15	10	1.5	5.10E+06	6.80E+04	15
	8-Oct-02	10:00	19	5	4.2	5.10E+06	1.10E+05	21
	8-Oct-02	10:00	14	10	1.7	5.10E+06	1.30E+05	17
	8-Oct-02	10:00	18	5	3.6	5.10E+06	1.80E+05	18
	8-Oct-02	10:00	16	5	3.2	5.10E+06	4.40E+05	16
	8-Oct-02	14:00	13	10	1.7	2.70E+07	3.10E+04	17
	8-Oct-02	14:00	12	10	1.8	2.70E+07	4.10E+04	18
	8-Oct-02	14:00	15	5	4.1	2.70E+07	1.70E+05	20.5
	8-Oct-02	14:00	14	10	2.2	2.70E+07	5.50E+05	22
	8-Oct-02	18:00	13	20	0.8	2.70E+07	2.10E+02	16
	8-Oct-02	18:00	14	15	1.3	2.70E+07	1.40E+03	19.5
	8-Oct-02	18:00	15	10	1.7	2.70E+07	6.30E+03	17
1803	8-Oct-02	18:00	13	15	1.0	2.70E+07	9.00E+03	15
1806	8-Oct-02	18:00	14	10	1.5	2.70E+07	2.50E+04	15
	8-Oct-02	18:00	21	5	4.0	2.70E+07	2.90E+04	20

	8-Oct-02	18:00	16	5	3.1	2.70E+07	4.50E+05	15.5
	8-Oct-02	18:00	17	5	3.2	2.70E+07	2.20E+06	16
	8-Oct-02	22:00	19	10	2.2	1.40E+07	1.70E+03	22
	8-Oct-02	22:00	20	5	4.4	1.40E+07	2.00E+03	22
	8-Oct-02	22:00	16	10	1.8	1.40E+07	5.00E+04	18
	8-Oct-02	0:00	11	20	0.8	1.30E+07	1.00E+03	16
	8-Oct-02	0:00	12	15	1.5	1.30E+07	2.10E+03	22.5
	8-Oct-02	0:00	12	10	1.6	1.30E+07	3.00E+05	16
	17-Oct-02	6:00	18	5	4.2	1.10E+07	1.00E+03	21
	17-Oct-02	6:00	13	20	1.1	1.10E+07	1.00E+04	22
	17-Oct-02	6:00	14	10	1.8	1.10E+07	1.00E+04	18
1966	17-Oct-02	6:00	13	15	1.0	1.10E+07	4.80E+04	15
	17-Oct-02	10:00	20	5	4.5	8.00E+06	2.70E+04	22.5
	17-Oct-02	10:00	18	10	2.0	8.00E+06	3.00E+04	20
	17-Oct-02	10:00	22	5	3.6	8.00E+06	5.50E+04	18
	17-Oct-02	10:00	19	5	3.5	8.00E+06	5.90E+04	17.5
	17-Oct-02	10:00	23	5	3.6	8.00E+06	1.60E+05	18
	17-Oct-02	10:00	17	10	1.8	8.00E+06	4.60E+05	18
2003	17-Oct-02	10:00	15	15	1.0	8.00E+06	8.10E+05	15
	17-Oct-02	10:00	15	20	0.9	8.00E+06	3.80E+06	18
	17-Oct-02	14:00	13	15	1.5	1.90E+07	1.00E+02	22.5
	17-Oct-02	14:00	18	5	4.5	1.90E+07	1.50E+04	22.5
	17-Oct-02	14:00	12	15	1.3	1.90E+07	3.00E+04	19.5

17-Oct-02	14:00	16	10	2.2	1.90E+07	4.00E+04	22
17-Oct-02	14:00	13	10	1.7	1.90E+07	5.50E+04	17
17-Oct-02	14:00	17	5	4.0	1.90E+07	1.90E+05	20
17-Oct-02	14:00	15	5	3.4	1.90E+07	5.70E+05	17
7-Jan-05	10:00	13	20	0.9	4.30E+06	2.90E+05	18
20-Jan-05	18:00	10	10	2.0	1.30E+07	3.90E+05	20
20-Jan-05	18:00	15	5	3.3	1.30E+07	1.00E+06	16.5
28-Jan-05	6:00	5	10	1.6	5.30E+06	5.40E+03	16
28-Jan-05	8:00	10	5	3.2	4.50E+06	2.50E+03	16
28-Jan-05	10:00	15	5	3.8	4.30E+06	6.50E+02	19
28-Jan-05	10:00	10	10	1.7	4.30E+06	7.00E+05	17
28-Jan-05	18:00	10	10	2.0	3.20E+07	1.90E+05	20
28-Jan-05	20:00	10	10	2.0	4.00E+07	2.60E+05	20
28-Jan-05	0:00	10	10	2.1	1.00E+07	3.20E+04	21
28-Jan-05	0:00	10	5	3.0	Data not available	5.30E+04	15
28-Jan-05	0:00	10	10	1.5	Data not available	3.60E+05	15
29-Jan-05	6:00	10	5	3.8	6.90E+06	2.10E+03	19
29-Jan-05	8:00	15	5	4.4	1.00E+07	2.50E+02	22
29-Jan-05	10:00	10	10	2.2	5.00E+06	7.50E+03	22
29-Jan-05	12:00	10	5	4.0	1.50E+07	2.30E+05	20
29-Jan-05	14:00	10	5	4.1	1.80E+07	7.60E+05	20.5
29-Jan-05	16:00	10	5	3.2	2.20E+07	7.50E+05	16
29-Jan-05	16:00	10	5	3.0	Data not available	1.10E+05	15

29-Jan-05	16:00	10	5	3.0	Data not available	2.10E+06	15
29-Jan-05	16:00	10	5	3.0	Data not available	3.60E+06	15
30-Jan-05	6:00	10	5	3.6	3.90E+06	4.00E+02	18
30-Jan-05	8:00	10	5	3.5	1.40E+07	1.10E+04	17.5
30-Jan-05	10:00	15	5	3.6	5.10E+06	2.20E+03	18
30-Jan-05	12:00	10	5	3.8	7.00E+06	1.10E+05	19
30-Jan-05	14:00	10	5	4.4	1.00E+07	1.10E+06	22
30-Jan-05	16:00	10	5	4.2	2.40E+07	1.90E+06	21
30-Jan-05	18:00	10	5	4.2	1.40E+07	2.00E+05	21
30-Jan-05	20:00	10	5	3.8	3.10E+07	7.70E+03	19
30-Jan-05	22:00	10	5	4.0	1.90E+07	2.00E+04	20
30-Jan-05	0:00	10	5	3.9	7.00E+06	2.40E+04	19.5
30-Jan-05	0:00	15	5	4.5	Data not available	2.30E+02	22.5
24-Feb-05	20:00	10	20	0.9	1.40E+07	1.00E+04	18
24-Feb-05	20:00	10	15	1.0	Data not available	5.60E+04	15
25-Feb-05	8:00	10	20	1.0	5.20E+06	1.30E+03	20
25-Feb-05	8:00	10	15	1.2	5.20E+06	1.90E+03	18
25-Feb-05	12:00	10	15	1.3	1.10E+07	2.10E+03	19.5
25-Feb-05	12:00	10	20	1.1	1.10E+07	3.30E+03	22
25-Feb-05	14:00	10	15	1.4	1.70E+07	7.20E+03	21
25-Feb-05	18:00	10	15	1.4	1.70E+07	2.50E+04	21
25-Feb-05	18:00	10	20	1.1	1.70E+07	2.70E+04	22
25-Feb-05	20:00	10	15	1.2	2.10E+07	2.20E+04	18

9-Mar-05	6:00	10	5	3.5	1.10E+07	3.50E+03	17.5
9-Mar-05	8:00	10	5	3.6	3.90E+06	3.20E+02	18
9-Mar-05	8:00	15	5	4.4	3.90E+06	3.90E+02	22
9-Mar-05	10:00	10	5	3.6	2.10E+06	3.00E+05	17.75
9-Mar-05	12:00	10	5	3.8	1.60E+07	5.90E+05	19
9-Mar-05	14:00	10	5	3.4	1.20E+07	1.20E+06	17
9-Mar-05	16:00	10	5	3.7	7.20E+06	1.70E+05	18.5
9-Mar-05	0:00	15	5	3.8	1.40E+07	2.30E+03	19
9-Mar-05	0:00	10	15	1.4	1.40E+07	2.70E+06	21
10-Mar-05	6:00	Data not available	5	4.2	8.00E+06	5.70E+03	21
10-Mar-05	10:00	Data not available	10	2.1	4.30E+06	2.60E+05	21
10-Mar-05	12:00	Data not available	5	3.6	1.80E+07	6.40E+05	18
10-Mar-05	14:00	Data not available	5	3.6	3.80E+07	4.20E+06	18
10-Mar-05	16:00	Data not available	5	3.2	2.60E+07	5.40E+06	16
10-Mar-05	18:00	Data not available	20	1.1	2.70E+07	1.10E+04	22
10-Mar-05	18:00	Data not available	15	1.3	2.70E+07	8.00E+04	19.5
10-Mar-05	20:00	Data not available	5	4.0	4.30E+06	1.40E+04	20
10-Mar-05	0:00	Data not available	5	3.8	1.90E+07	1.90E+06	19
11-Mar-05	6:00	Data not available	5	3.9	7.80E+06	3.40E+03	19.5
11-Mar-05	8:00	Data not available	5	3.2	2.20E+07	8.80E+05	16
11-Mar-05	10:00	Data not available	5	3.2	1.40E+07	1.10E+04	16
11-Mar-05	12:00	Data not available	5	4.3	1.50E+07	1.40E+05	21.5
11-Mar-05	18:00	Data not available	10	2.0	2.90E+07	3.90E+06	20

11-Mar-05	20:00	Data not available	15	1.2	1.00E+07	6.00E+04	18
11-Mar-05	22:00	Data not available	10	2.2	2.60E+07	4.30E+05	22
16-Mar-05	8:00	Data not available	5	3.6	5.60E+06	4.80E+03	18
16-Mar-05	12:00	Data not available	5	3.4	9.00E+06	1.10E+06	17
16-Mar-05	16:00	Data not available	5	3.4	2.90E+07	2.00E+06	17
16-Mar-05	20:00	Data not available	10	2.0	2.60E+07	1.70E+05	20
16-Mar-05	22:00	Data not available	10	1.9	2.50E+07	3.60E+05	19
16-Mar-05	0:00	Data not available	5	3.2	1.20E+07	1.00E+05	16
16-Mar-05	0:00	10	5	4.5		2.40E+03	22.5
16-Mar-05	0:00	10	5	3.0		1.10E+05	15
17-Mar-05	6:00	Data not available	5	3.6	4.40E+06	5.10E+02	18
17-Mar-05	10:00	Data not available	5	4.2	3.10E+06	2.90E+03	21
17-Mar-05	10:00	Data not available	20	0.8	3.10E+06	8.60E+04	16
17-Mar-05	10:00	Data not available	15	1.4	3.10E+06	5.90E+05	21
17-Mar-05	12:00	Data not available	5	3.6	1.10E+07	9.00E+05	18
17-Mar-05	14:00	Data not available	5	3.2	2.20E+07	4.50E+06	16
17-Mar-05	16:00	Data not available	10	2.2	2.30E+07	1.80E+05	22
17-Mar-05	22:00	10	20	0.8	7.00E+06	1.40E+05	16
17-Mar-05	22:00	Data not available	5	4.2	7.00E+06	2.80E+05	21
17-Mar-05	22:00	Data not available	15	1.2	7.00E+06	4.50E+05	18
18-Mar-05	6:00	Data not available	5	3.5	1.30E+07	7.00E+02	17.5
18-Mar-05	8:00	Data not available	10	1.9	1.10E+07	1.30E+03	19
18-Mar-05	14:00	Data not available	10	1.7	1.10E+07	4.30E+05	17

18-Mar-05	18:00	Data not available	20	1.0	2.10E+07	2.10E+05	20
18-Mar-05	18:00	Data not available	5	4.4	2.10E+07	3.20E+05	22
18-Mar-05	20:00	10	20	0.9	2.60E+07	4.80E+05	18
18-Mar-05	22:00	Data not available	10	2.0	1.90E+07	3.90E+05	20
18-Mar-05	0:00	Data not available	5	3.1	3.30E+06	1.00E+04	15.5
18-Mar-05	0:00	15	5	4.5	Data not available	1.40E+05	22.5
18-Mar-05	0:00	10	15	1.0	Data not available	4.30E+05	15
18-Mar-05	0:00	10	15	1.0	Data not available	9.30E+05	15
31-Mar-05	6:00	Data not available	5	3.2	1.20E+07	3.10E+03	16
31-Mar-05	8:00	Data not available	10	2.0	3.20E+06	3.90E+03	20
31-Mar-05	10:00	Data not available	10	1.8	5.30E+06	2.70E+04	18
31-Mar-05	12:00	Data not available	5	3.2	1.87E+07	1.10E+06	16
31-Mar-05	16:00	Data not available	20	1.0	2.80E+07	5.00E+02	20
31-Mar-05	16:00	Data not available	15	1.1	2.80E+07	1.00E+03	16.5
31-Mar-05	18:00	Data not available	5	3.6	3.30E+07	1.00E+05	18
31-Mar-05	18:00	Data not available	20	0.8	3.30E+07	3.40E+06	16
31-Mar-05	20:00	Data not available	5	3.8	3.00E+07	2.60E+06	19
31-Mar-05	20:00	10	15	1.5		6.70E+03	22.5
1-Apr-05	8:00	Data not available	5	4.1	1.10E+07	5.00E+04	20.5
1-Apr-05	10:00	Data not available	20	0.9	7.00E+06	4.50E+04	18
1-Apr-05	12:00	Data not available	5	3.2	4.40E+06	4.40E+05	16
1-Apr-05	18:00	Data not available	10	2.0	3.20E+07	2.50E+05	20
1-Apr-05	20:00	Data not available	10	2.1	3.20E+07	1.00E+06	21

1-Apr-05	22:00	Data not available	5	4.2	1.70E+07	4.00E+05	21
1-Apr-05	22:00	10	20	0.8	1.70E+07	4.30E+06	16
1-Apr-05	0:00	Data not available	10	2.2	2.30E+07	2.30E+05	22
1-Apr-05	0:00	10	15	1.0	Data not available	1.20E+05	15
1-Apr-05	0:00	10	15	1.0	Data not available	4.00E+06	15
2-Apr-05	6:00	Data not available	5	3.4	1.50E+07	3.50E+04	17
2-Apr-05	8:00	Data not available	10	1.7	1.30E+07	1.00E+04	17
2-Apr-05	18:00	Data not available	20	1.1	3.40E+07	5.00E+04	22
2-Apr-05	18:00	Data not available	15	1.2	3.40E+07	1.60E+05	18
2-Apr-05	18:00	Data not available	10	1.6	3.40E+07	4.60E+06	16
2-Apr-05	20:00	Data not available	5	4.2	3.70E+07	5.50E+03	21
2-Apr-05	22:00	Data not available	5	4.0	2.10E+07	3.00E+04	20
2-Apr-05	0:00	Data not available	5	4.4	8.00E+06	3.20E+03	22
2-Apr-05	0:00	Data not available	10	1.6	8.00E+06	6.80E+05	16
2-Apr-05	0:00	10	15	1.5	Data not available	5.70E+04	22.5
2-Apr-05	0:00	10	10	1.5	Data not available	6.80E+05	15
14-Apr-05	6:00	Data not available	5	3.6	1.10E+07	9.10E+05	18
14-Apr-05	10:00	10	20	0.9	9.00E+06	4.70E+05	18
14-Apr-05	18:00	Data not available	20	1.0	3.30E+07	2.70E+05	20
14-Apr-05	20:00	Data not available	5	4.0	3.90E+07	9.60E+05	20
14-Apr-05	22:00	Data not available	20	1.1	2.10E+07	2.60E+05	22
14-Apr-05	22:00	Data not available	5	4.4	2.10E+07	3.50E+05	22
14-Apr-05	22:00	Data not available	15	1.2	2.10E+07	2.10E+06	18



14-Apr-05	0:00	Data not available	10	1.8	2.10E+07	2.80E+05	18
14-Apr-05	0:00	10	15	1.0	Data not available	2.80E+06	15
14-Apr-05	0:00	10	15	1.0	Data not available	3.20E+06	15
15-Apr-05	6:00	Data not available	5	3.4	2.60E+07	2.60E+05	17
15-Apr-05	8:00	Data not available	10	2.2	1.00E+07	4.70E+04	22
15-Apr-05	10:00	Data not available	15	1.2	1.30E+07	8.20E+05	18
15-Apr-05	14:00	Data not available	15	1.4	2.50E+07	2.30E+06	21
15-Apr-05	18:00	Data not available	5	3.5	3.80E+07	7.00E+05	17.5
15-Apr-05	20:00	Data not available	5	3.8	2.70E+07	1.10E+06	19
15-Apr-05	22:00	Data not available	5	4.3	2.10E+07	3.60E+05	21.5
15-Apr-05	0:00	Data not available	10	1.7	1.60E+07	1.90E+06	17
16-Apr-05	6:00	Data not available	10	2.2	1.50E+07	1.40E+04	22
16-Apr-05	8:00	Data not available	10	1.8	1.20E+07	2.00E+04	18
16-Apr-05	10:00	Data not available	5	4.2	1.20E+07	2.40E+05	21
16-Apr-05	10:00	10	20	0.9	1.20E+07	5.80E+05	18
16-Apr-05	12:00	Data not available	5	4.4	2.90E+07	6.80E+05	22
16-Apr-05	12:00	Data not available	10	1.8	2.90E+07	3.70E+06	18
16-Apr-05	14:00	Data not available	5	4.2	3.60E+07	1.50E+06	21
16-Apr-05	14:00	10	20	0.9	3.60E+07	1.70E+06	18
16-Apr-05	14:00	Data not available	15	1.2	3.60E+07	2.70E+06	18
16-Apr-05	16:00	Data not available	15	1.4	3.20E+07	9.00E+05	21
16-Apr-05	16:00	Data not available	10	1.6	3.20E+07	4.60E+06	16
16-Apr-05	18:00	Data not available	20	1.0	3.50E+07	1.10E+06	20

16-Apr-05	18:00	Data not available	15	1.1	3.50E+07	2.70E+06	16.5
16-Apr-05	18:00	Data not available	5	3.8	3.50E+07	3.40E+06	19
16-Apr-05	20:00	Data not available	5	3.6	3.60E+07	3.40E+06	18
16-Apr-05	22:00	Data not available	5	4.2	3.50E+07	1.10E+05	21
16-Apr-05	22:00	Data not available	20	0.8	3.50E+07	6.00E+05	16
16-Apr-05	0:00	Data not available	10	1.8	2.90E+07	1.30E+06	18
16-Apr-05	0:00	10	15	1.0	Data not available	1.00E+06	15
16-Apr-05	0:00	10	15	1.0	Data not available	1.40E+06	15
17-Apr-05	6:00	Data not available	5	3.6	1.90E+07	1.00E+05	18
17-Apr-05	10:00	Data not available	5	4.2	1.00E+07	4.40E+05	21
17-Apr-05	12:00	Data not available	10	1.8	7.60E+06	1.80E+06	18
17-Apr-05	18:00	Data not available	20	1.0	3.80E+07	1.00E+05	20
17-Apr-05	18:00	Data not available	15	1.2	3.80E+07	5.00E+05	18
17-Apr-05	18:00	Data not available	10	1.7	3.80E+07	2.10E+06	17
17-Apr-05	20:00	Data not available	20	0.8	2.40E+07	5.00E+05	16
17-Apr-05	20:00	Data not available	15	1.1	2.40E+07	2.80E+06	16.5
18-Apr-05	14:00	Data not available	10	2.2	2.50E+07	1.90E+06	22
18-Apr-05	18:00	Data not available	5	3.2	4.70E+07	5.50E+06	16
18-Apr-05	20:00	Data not available	5	3.4	2.40E+07	3.80E+06	17
18-Apr-05	22:00	Data not available	5	3.6	2.30E+07	1.20E+06	18
18-Apr-05	0:00	Data not available	15	1.4	2.80E+07	2.10E+05	21
18-Apr-05	0:00	Data not available	10	1.6	2.80E+07	1.20E+06	16
19-Apr-05	8:00	Data not available	10	2.1	1.20E+06	3.00E+04	21

19-Apr-05	10:00	Data not available	5	3.9	5.30E+06	2.60E+05	19.5
19-Apr-05	14:00	Data not available	15	1.1	3.20E+07	4.00E+05	16.5
19-Apr-05	16:00	Data not available	20	0.8	2.50E+07	1.80E+05	16
19-Apr-05	18:00	Data not available	5	4.2	2.50E+07	4.50E+05	21
19-Apr-05	22:00	Data not available	5	3.6	2.20E+07	1.10E+06	18
19-Apr-05	0:00	10	20	0.8	1.50E+07	1.20E+05	16
19-Apr-05	0:00	Data not available	5	4.2	1.50E+07	2.50E+05	21
19-Apr-05	0:00	10	15	1.0	Data not available	1.00E+04	15
19-Apr-05	0:00	10	15	1.0	Data not available	7.20E+05	15
19-Apr-05	0:00	15	5	3.0	Data not available	2.00E+06	15
20-Apr-05	6:00	Data not available	10	1.8	1.60E+07	4.30E+05	18
20-Apr-05	8:00	Data not available	15	1.2	3.00E+07	6.80E+05	18
20-Apr-05	10:00	Data not available	5	3.8	1.80E+07	5.00E+05	19
20-Apr-05	12:00	Data not available	10	1.8	2.60E+07	2.70E+06	18
20-Apr-05	14:00	Data not available	5	4.4	3.20E+07	6.00E+05	22
20-Apr-05	16:00	Data not available	20	0.8	3.70E+07	1.20E+05	16
20-Apr-05	16:00	Data not available	5	4.0	3.70E+07	2.20E+05	20
20-Apr-05	18:00	Data not available	5	4.0	1.90E+07	6.00E+04	20
20-Apr-05	20:00	Data not available	5	3.2	3.00E+07	2.80E+05	16
20-Apr-05	0:00	Data not available	5	4.0	1.10E+07	1.40E+05	20
20-Apr-05	0:00	10	15	1.0	Data not available	1.20E+06	15
14-Nov_02	14:00	11	25	0.9	2.10E+07	3.00E+04	22.5
14-Nov_02	18:00	11	25	0.9	3.20E+07	1.00E+05	22.5

	14-Nov_02	18:00	11	40	0.4	5.00E+06	2.10E+04	16
	14-Nov_02	18:00	10	40	0.4	2.10E+07	4.00E+04	16
2201	14-Nov_02	18:00	10	25	0.6	5.00E+06	1.90E+05	15
	15-Nov_02	10:00	15	25	0.9	1.10E+07	2.80E+03	22.5
	15-Nov_02	Data not available	11	35	0.6	1.20E+07	3.00E+03	21
	15-Nov_02	Data not available	14	25	0.8	1.10E+07	3.10E+03	20
	15-Nov_02	Data not available	11	30	0.7	1.20E+07	1.10E+04	21
	15-Nov_02	Data not available	12	35	0.5	2.60E+07	1.60E+04	17.5
	15-Nov_02	Data not available	12	40	0.5	2.60E+07	1.90E+04	20
	15-Nov_02	Data not available	10	25	0.8	9.20E+06	2.00E+04	20
	15-Nov_02	Data not available	11	25	0.7	1.20E+07	2.20E+04	17.5
2504	15-Nov_02	Data not available	12	30	0.5	2.60E+07	2.70E+04	15
	15-Nov_02	Data not available	9	40	0.4	9.20E+06	8.50E+04	16
2549	15-Nov_02	Data not available	15	30	0.5	2.00E+07	1.00E+05	15
	15-Nov_02	Data not available	10	35	0.6	9.20E+06	1.30E+05	21
2548	15-Nov_02	Data not available	15	25	0.6	2.00E+07	4.00E+05	15
2503	15-Nov_02	Data not available	12	25	0.6	2.60E+07	4.20E+05	15
	Data not available	Data not available	Data not available	5	4.2	1.10E+07	2.30E+02	21
	Data not available	Data not available	Data not available	5	3.6	2.90E+07	2.10E+05	18
	Data not available	Data not available	Data not available	10	1.8	5.90E+06	1.50E+05	18
	Data not available	Data not available	10	15	1.5	Data not available	6.20E+04	22.5
	Data not available	Data not available	Data not available	10	1.8	3.30E+07	1.10E+06	18
	Data not available	Data not available	Data not available	10	2.0	3.30E+07	4.00E+04	20

Data not available	Data not available	Data not available	5	3.9	1.70E+07	1.60E+04	19.5
Data not available	Data not available	Data not available	5	4.2	1.00E+07	2.30E+03	21
Data not available	Data not available	Data not available	5	3.7	2.00E+07	1.20E+04	18.5
Data not available	Data not available	Data not available	10	2.1	3.40E+07	1.40E+05	21
Data not available	Data not available	Data not available	5	4.0	1.00E+07	4.20E+03	20
Data not available	Data not available	Data not available	5	3.6	2.70E+07	2.00E+05	18
Data not available	Data not available	Data not available	10	2.2	3.80E+07	3.10E+05	22
Data not available	Data not available	Data not available	15	1.2	2.10E+07	7.00E+04	18
Data not available	Data not available	Data not available	5	3.6	7.30E+06	4.20E+05	18
Data not available	Data not available	Data not available	15	1.4	5.90E+07	3.70E+04	21
Data not available	Data not available	Data not available	20	1.0	1.70E+07	1.20E+04	20
Data not available	Data not available	Data not available	5	4.4	1.80E+06	5.60E+05	22
Data not available	Data not available	Data not available	5	3.4	5.20E+07	9.10E+04	17
Data not available	Data not available	Data not available	20	1.0	2.70E+06	1.20E+04	20
Data not available	Data not available	10	5	3.0	Data not available	1.70E+06	15
Data not available	Data not available	Data not available	10	2.2	1.60E+07	2.00E+04	22
Data not available	Data not available	Data not available	10	1.6	1.10E+07	3.20E+05	16
Data not available	Data not available	Data not available	5	4.2	4.60E+07	2.60E+05	21
Data not available	Data not available	10	15	1.5	Data not available	2.90E+04	22.5
Data not available	Data not available	Data not available	10	2.2	2.10E+07	5.80E+03	22
Data not available	Data not available	Data not available	5	4.0	2.30E+07	5.30E+06	20
Data not available	Data not available	Data not available	15	1.4	5.90E+06	4.60E+04	21
Data not available	Data not available	Data not available	5	3.3	1.50E+07	1.10E+04	16.5

Data not available	Data not available	Data not available	10	1.6	4.90E+07	9.70E+05	16
Data not available	Data not available	Data not available	20	0.9	2.10E+07	6.00E+03	18
Data not available	Data not available	Data not available	20	1.0	2.00E+07	3.00E+03	20
Data not available	Data not available	Data not available	15	1.4	1.00E+07	7.40E+02	21
Data not available	Data not available	Data not available	10	2.2	1.30E+07	3.00E+05	22
Data not available	Data not available	Data not available	10	1.6	2.60E+07	1.30E+06	16
Data not available	Data not available	10	10	1.5	Data not available	3.40E+05	15
Data not available	Data not available	Data not available	5	3.8	1.00E+07	1.20E+04	19
Data not available	Data not available	10	15	1.5	Data not available	2.90E+04	22.5
Data not available	Data not available	Data not available	10	2.2	2.10E+07	7.10E+04	22
Data not available	Data not available	Data not available	5	4.0	7.60E+06	1.40E+05	20
Data not available	Data not available	Data not available	20	0.8	3.10E+07	1.00E+05	16
Data not available	Data not available	Data not available	10	1.6	2.00E+07	1.90E+06	16
Data not available	Data not available	Data not available	10	1.6	1.00E+07	4.00E+04	16
Data not available	Data not available	Data not available	10	2.0	1.30E+07	2.00E+05	20
Data not available	Data not available	Data not available	10	2.2	1.50E+07	3.80E+04	22
Data not available	Data not available	Data not available	5	3.4	1.50E+07	1.50E+05	17
Data not available	Data not available	Data not available	5	3.8	7.40E+07	4.50E+06	19
Data not available	Data not available	Data not available	5	4.0	1.00E+07	1.60E+04	20
Data not available	Data not available	10	5	3.0	Data not available	6.70E+04	15
Data not available	Data not available	Data not available	15	1.3	1.90E+07	2.40E+06	19.5
Data not available	Data not available	15	5	4.5	Data not available	6.80E+03	22.5
Data not available	Data not available	Data not available	10	1.6	2.20E+07	4.50E+05	16

Data not available	Data not available	Data not available	5	4.2	2.80E+07	2.00E+06	21
Data not available	Data not available	Data not available	5	3.7	2.70E+07	8.80E+03	18.5
Data not available	Data not available	Data not available	10	1.7	1.30E+07	1.80E+05	17
Data not available	Data not available	Data not available	10	1.8	7.60E+06	2.60E+05	18
Data not available	Data not available	Data not available	5	3.9	5.20E+07	3.40E+06	19.5
Data not available	Data not available	Data not available	10	2.0	3.70E+07	1.30E+06	20
Data not available	Data not available	Data not available	5	3.2	5.00E+07	3.10E+03	16
Data not available	Data not available	Data not available	5	3.8	1.80E+07	1.80E+06	19
Data not available	Data not available	Data not available	15	1.3	1.70E+07	8.00E+03	19.5
Data not available	Data not available	Data not available	5	3.4	1.40E+07	3.80E+05	17
Data not available	Data not available	Data not available	5	3.2	1.20E+07	3.30E+06	16
Data not available	Data not available	Data not available	10	1.8	2.10E+07	1.30E+06	18
Data not available	Data not available	Data not available	15	1.2	2.70E+06	5.30E+04	18
Data not available	Data not available	Data not available	20	1.0	1.60E+07	5.50E+04	20
Data not available	Data not available	Data not available	15	1.4	1.70E+07	4.90E+03	21
Data not available	Data not available	Data not available	10	1.8	7.40E+07	3.40E+05	18
Data not available	Data not available	Data not available	10	2.2	2.20E+07	4.50E+04	22
Data not available	Data not available	Data not available	10	1.6	1.70E+07	6.10E+04	16
Data not available	Data not available	Data not available	5	3.6	8.00E+06	5.90E+05	18
Data not available	Data not available	Data not available	5	4.4	9.00E+06	3.40E+03	22
Data not available	Data not available	Data not available	10	1.8	3.70E+07	2.70E+05	18
Data not available	Data not available	Data not available	5	3.3	4.20E+07	2.10E+06	16.5
Data not available	Data not available	Data not available	15	1.4	2.60E+07	8.00E+04	21

Data not available	Data not available	Data not available	5	3.3	1.80E+07	1.60E+05	16.5
Data not available	Data not available	Data not available	10	1.6	2.60E+07	9.00E+04	16
Data not available	Data not available	Data not available	5	3.8	4.70E+07	1.20E+05	19
Data not available	Data not available	10	15	1.0	Data not available	2.60E+05	15
Data not available	Data not available	Data not available	20	1.1	1.70E+07	3.90E+03	22
Data not available	Data not available	Data not available	10	1.6	3.00E+07	2.00E+05	16
Data not available	Data not available	Data not available	5	3.3	4.90E+07	2.80E+06	16.5
Data not available	Data not available	Data not available	10	2.2	3.50E+07	4.00E+05	22
Data not available	Data not available	Data not available	5	4.0	8.00E+06	2.10E+03	20
Data not available	Data not available	Data not available	5	3.2	2.50E+07	4.10E+05	16
Data not available	Data not available	10	5	3.0	Data not available	5.30E+05	15
Data not available	Data not available	Data not available	5	4.0	1.40E+07	3.00E+05	20
Data not available	Data not available	Data not available	10	1.7	2.10E+07	2.40E+06	17
Data not available	Data not available	Data not available	5	4.2	5.60E+07	3.10E+04	21
Data not available	Data not available	Data not available	5	3.5	1.70E+07	4.30E+05	17.5
Data not available	Data not available	Data not available	15	1.2	3.00E+07	2.00E+04	18
Data not available	Data not available	Data not available	10	2.2	1.90E+07	3.30E+05	22
Data not available	Data not available	Data not available	5	4.4	1.60E+07	4.00E+04	22
Data not available	Data not available	10	5	3.0	Data not available	7.00E+04	15
Data not available	Data not available	Data not available	10	1.6	4.40E+06	3.40E+05	16
Data not available	Data not available	Data not available	5	4.0	3.80E+07	4.00E+05	20
Data not available	Data not available	10	15	1.0	Data not available	6.60E+04	15
Data not available	Data not available	Data not available	10	2.0	1.20E+07	1.70E+05	20



Data not available	Data not available	Data not available	15	1.4	1.00E+07	1.30E+03	21
Data not available	Data not available	10	15	1.0	Data not available	1.30E+05	15
Data not available	Data not available	Data not available	15	1.3	2.00E+07	8.00E+04	19.5
Data not available	Data not available	Data not available	5	3.6	1.40E+07	3.00E+04	18
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Data not available	Data not available	Data not available	5	3.2	6.50E+07	1.20E+05	16
Data not available	Data not available	Data not available	10	1.7	5.90E+07	3.30E+05	17