CROW BUTTE RESOURCES, INC.

86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169

(308) 665-2215
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April 29, 2002

Mr. Melvyn Leach, Chief
Fuel Cycle Licensing Branch, FCSS
c/o Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Source Materials License SUA-1534
Docket No. 40-8943
CM6-7 Monitor Well Excursion

Dear Mr. Leach:

On April 4, 2002 during routine biweekly water sampling of Crow Butte Resources, Inc. (CBR) perimeter monitor well CM6-7, the multiple parameter upper control limit (UCL) was exceeded for sodium, sulfate, conductivity and alkalinity. As required by License Condition 11.2 of Source Materials License SUA-1534, a second sample was collected within 48 hours and analyzed for the five excursion indicator parameters. The results of the second sample exceeded the multiple UCL for sodium, sulfate, and alkalinity. In response to these results, CBR restarted several production wells in this area of Mine Unit 6.

In accordance with License Condition 11.2, CBR increased the sampling frequency for CM6-7 to weekly. The samples obtained on April 11, 18, and 25, 2002 were all below the excursion criteria. Copies of the analytical results and trend graphs are attached. Based on the License criteria, CM6-7 is removed from excursion status. CBR will continue weekly sampling for an additional three weeks as required by the UIC Permit. If the well has not exceeded the UCLs after these additional samples, it will be returned to the biweekly sampling schedule.

NMSS01Public

40-8943

If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215.

Sincerely,
CROW BUTTE RESOURCES, INC.

Michael Griffin
Manager of Health, Safety, and Environmental Affairs

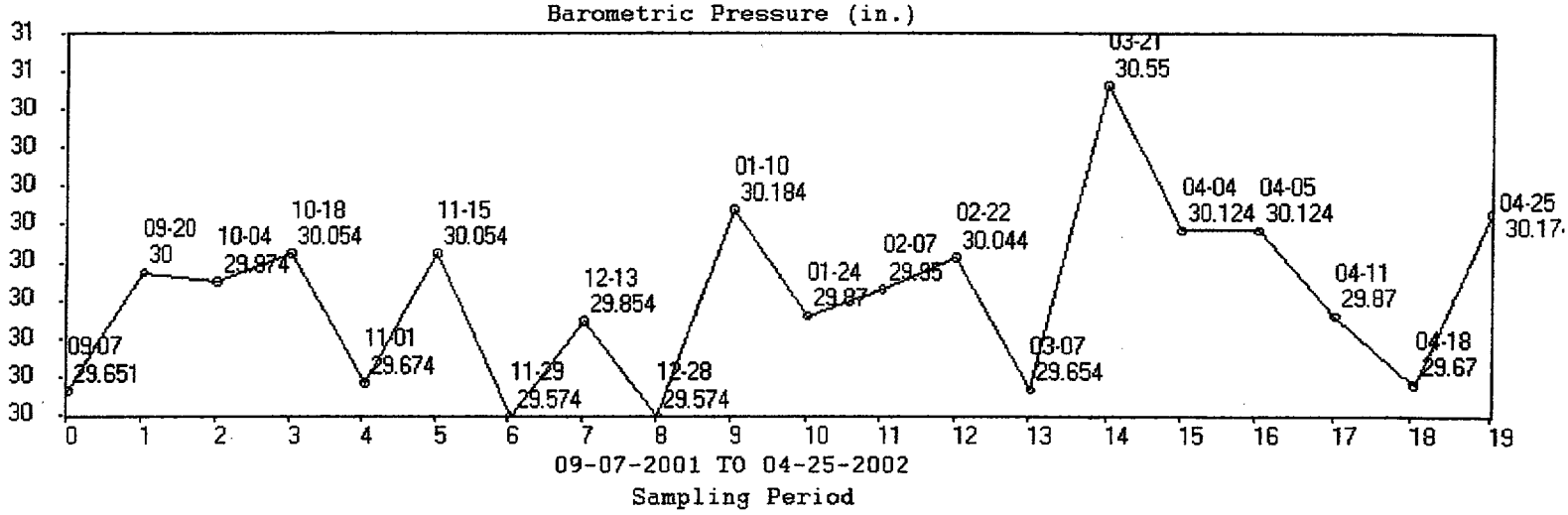
Enclosures: As Stated

cc: U.S. Nuclear Regulatory Commission
Mr. Mike Layton - ADDRESSEE ONLY
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Washington, DC 20555

Mr. Steve Collings - CBR, Denver

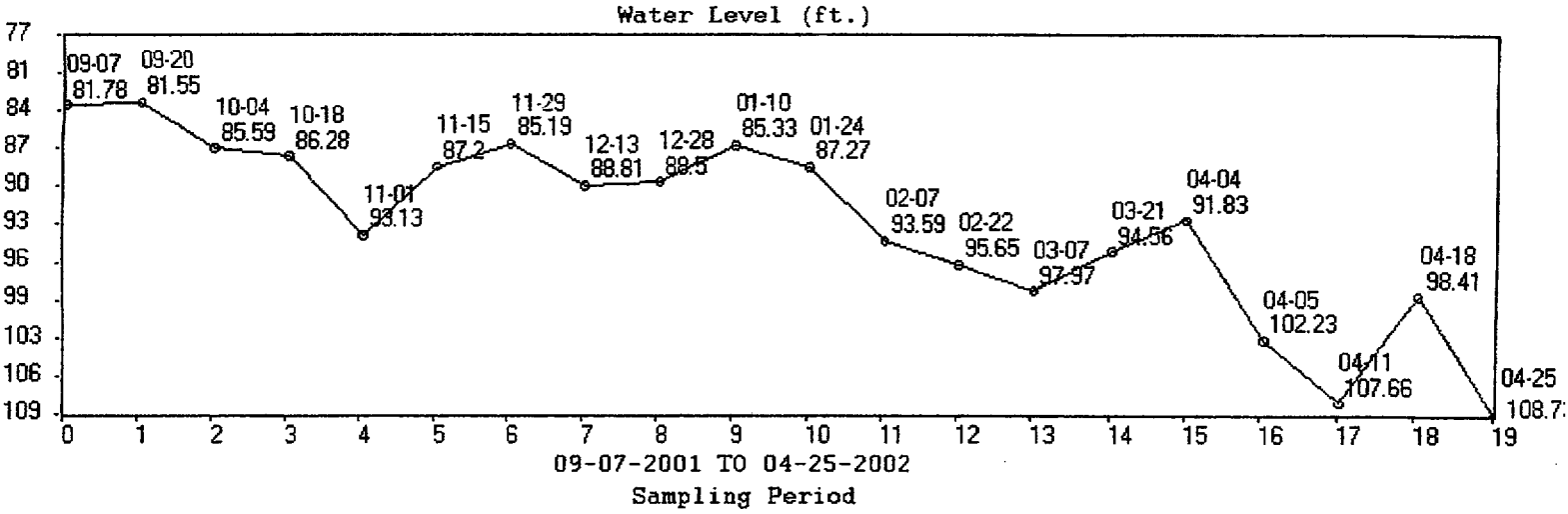
CM6-7

Barometric Pressure (in.)



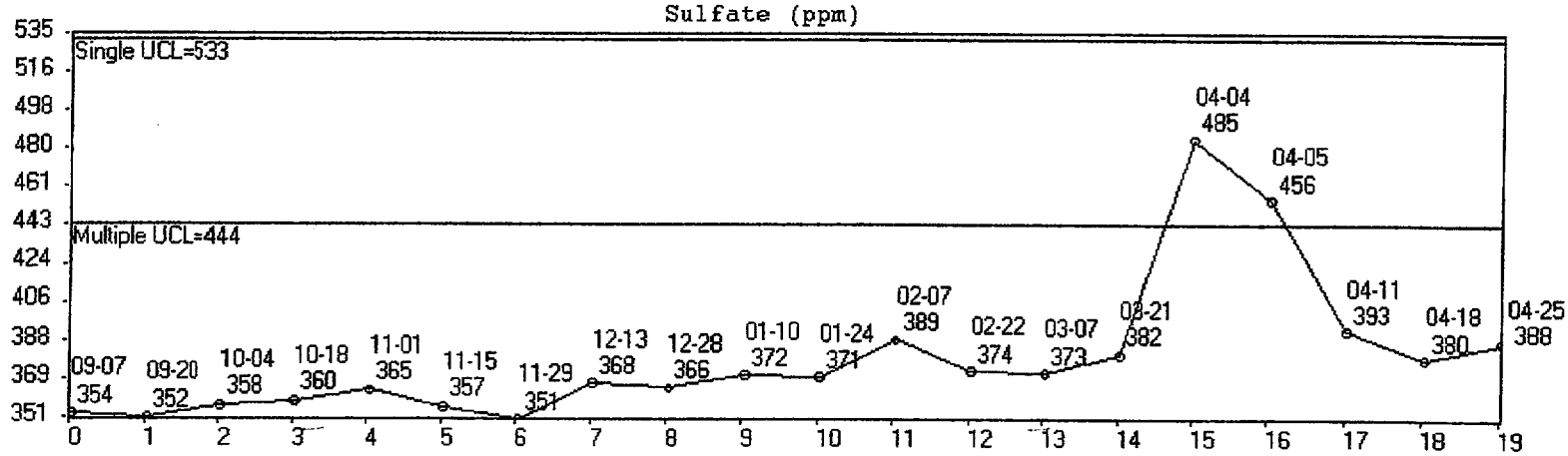
CM6-7

Water Level (ft.)



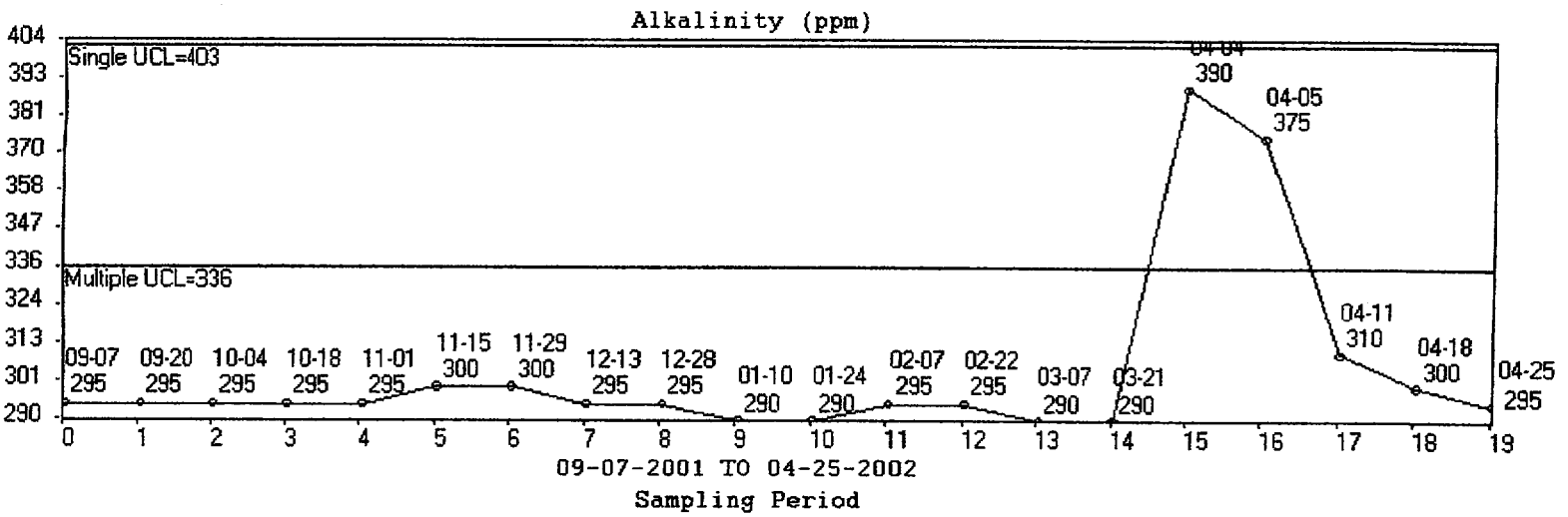
CM6-7

Sulfate (ppm)



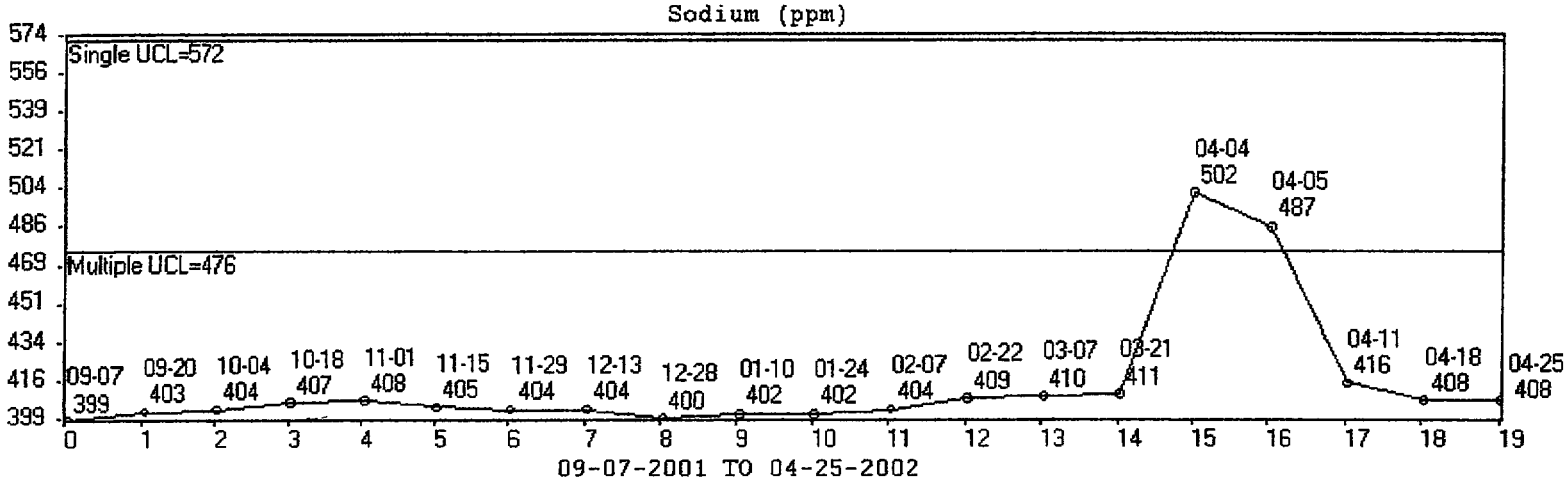
CM6-7

Alkalinity (ppm)



CM6-7

Sodium (ppm)

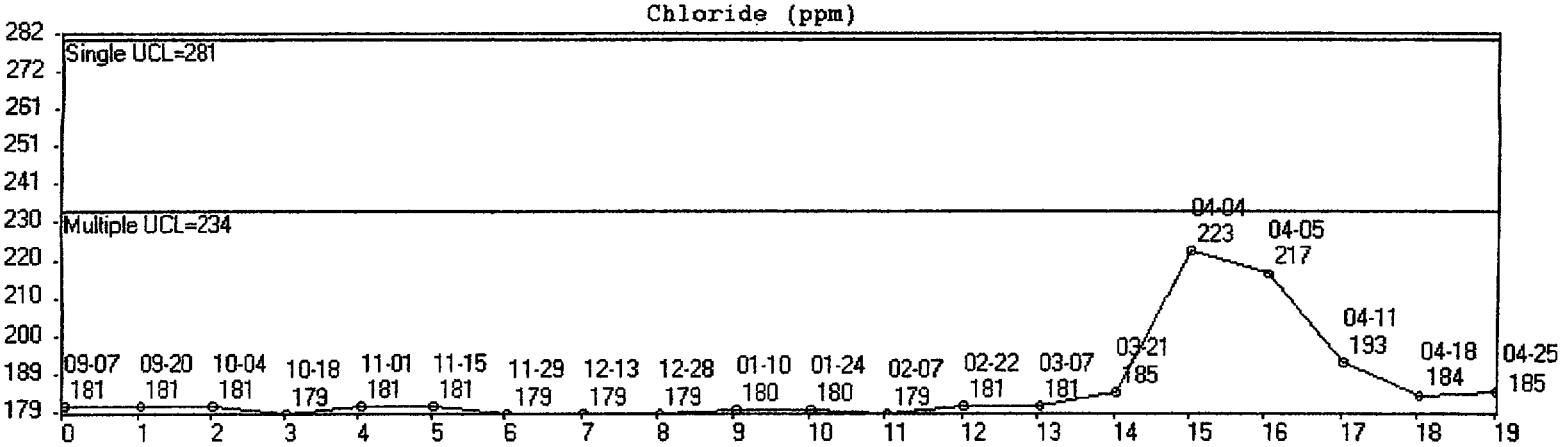


09-07-2001 TO 04-25-2002

Sampling Period

CM6-7

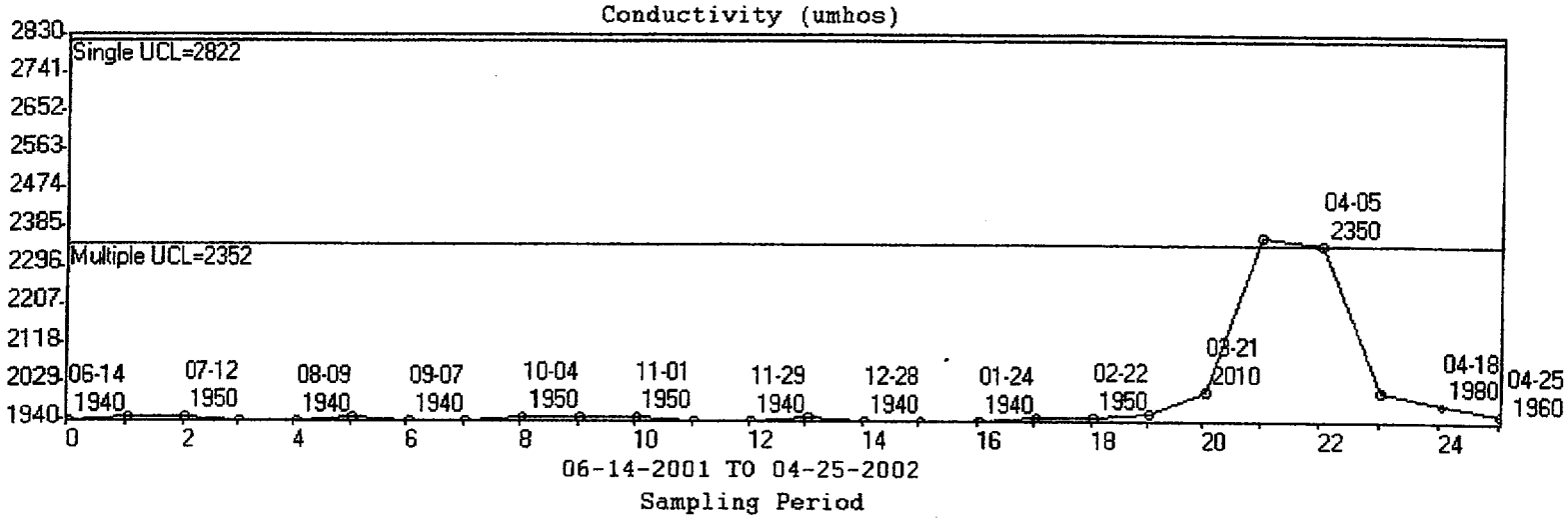
Chloride (ppm)



09-07-2001 TO 04-25-2002

Sampling Period

CM6-7


Conductivity (umhos)
2830
2741
2652
2563
2474
2385
2296
2207
2118
2029
1940
Single UCL=2822
Multiple UCL=2352
06-14 1940
07-12 1950
08-09 1940
09-07 1940
10-04 1950
11-01 1950
11-29 1940
12-28 1940
01-24 1940
02-22 1950
03-21 2010
04-05 2350
04-18 1980
04-25 1960
0
2
4
6
8
10
12
14
16
18
20
22
24
06-14-2001 TO 04-25-2002
Sampling Period

Crow Butte Project
Monitor Well Laboratory Report

Page Number 2/2

Sample Date: 04-11-2002
Analysis Date: 04-12-2002

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-26	401	349	183	1930	310
Multiple	479	449	282	2460	373
Single	575	539	338	2952	448
CM6-27	398	338	181	1890	320
Multiple	485	406	263	2352	388
Single	582	487	315	2822	465
CM6-28	394	316*	181	1870	315
Multiple	475	416	256	2412	374
Single	570	500	307	2894	449
CM6-29	397	343	181	1910	300
Multiple	469	446	268	2520	373
Single	563	536	321	3024	448
CM6-30	392	327	181	1880	310
Multiple	467	415	274	2460	383
Single	560	498	328	2952	459
CM6-31	400	336	183	1900	310
Multiple	470	440	251	2376	386
Single	564	528	301	2851	464
CM6-32	403	333	181	1910	310
Multiple	476	439	244	2484	384
Single	572	527	292	2981	461
CM6-7	416*	393*	193*	2010*	310*
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Sample Date: 04-18-2002
Analysis Date: 04-19-2002

Analyst: LG/TF

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
SM6-3	117	51	10	550	200
Multiple	148	63	36	703	246
Single	177	75	43	844	295
SM6-4	113	44	8.1	540	205
Multiple	140	61	27	670	258
Single	168	73	32	804	310
SM6-5	112	38	6.2	520	213
Multiple	134	57	22	642	262
Single	161	68	26	770	314
SM6-6	108	19*	2.8*	490	225
Multiple	130	32	20	593	278
Single	156	38	24	711	334
SM6-7	111	15	5.6	510	235
Multiple	136	30	32	649	286
Single	163	36	39	779	343
SM6-8	54	22*	5.2	480	210
Multiple	87	41	30	642	259
Single	104	49	36	770	311
SM6-10	118	46	11	560	210
Multiple	146	63	29	698	264
Single	176	76	35	838	317
SM6-17	36	6.6*	3.4*	490	235
Multiple	69	23	35	665	294
Single	83	27	42	798	353
SM7-11	55	22	1.6*	350	150
Multiple	74	36	22	449	180
Single	89	43	27	539	216
SM7-12	83	43	2.0	440	150
Multiple	101	57	23	516	186
Single	121	68	28	619	223
SM7-13	73	24	6.0	390	150
Multiple	96	45	21	493	194
Single	115	54	25	592	233
CM6-5	422	398	199	2100	300
Multiple	485	476	245	2436	347
Single	582	572	294	2923	416
CM6-6	407	368	181	1950	297
Multiple	486	461	251	2412	370
Single	583	553	301	2894	444
CM6-7	408	380	184	1980	300
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403

* - Denotes 5% change from previous sample.

Crow Butte Project
Monitor Well Laboratory Report

Sample Date: 04-25-2002
Analysis Date: 04-26-2002

Analyst: SM/LG

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Alkalinity (mg/L)
CM6-26	400	348	183	1930	310
Multiple	479	449	282	2460	373
Single	575	539	338	2952	448
CM6-27	398	328	181	1890	320
Multiple	485	406	263	2352	388
Single	582	487	315	2822	465
CM6-28	392	321	181	1860	320
Multiple	475	416	256	2412	374
Single	570	500	307	2894	449
CM6-29	397	345	181	1910	315
Multiple	469	446	268	2520	373
Single	563	536	321	3024	448
CM6-30	390	326	183	1880	315
Multiple	467	415	274	2460	383
Single	560	498	328	2952	459
CM6-31	395	330	181	1900	320
Multiple	470	440	251	2376	386
Single	564	528	301	2851	464
CM6-32	397	339	181	1920	310
Multiple	476	439	244	2484	384
Single	572	527	292	2981	461
CM6-7	408	388	185	1960	295
Multiple	476	444	234	2352	336
Single	572	533	281	2822	403

* - Denotes 5% change from previous sample.