

Table 5.2 CSSA Groundwater Evaluation of Contaminants and Concentrations

Well Number	Date	Bromodichloro- methane µg/L	Chloroform µg/L	Dibromochloro- methane µg/L	Dichloro- methane µg/L	Tetrachloro- ethylene µg/L	Trichloro- ethylene µg/L	<i>cis-trans</i> -1,2- Dichloroethylene ³ µg/L
MCL		*	*	*	5	5	5	70***
CSSA wells:								
1	8/09/91 ¹	ND	ND	ND	ND	ND	ND	ND
	11/92 ²	4.7	7.3	4.5	3.0**	ND	ND	ND
2	11/92 ²	ND	ND	ND	3.2**	0.52	ND	ND
3	11/92 ²	ND	ND	ND	ND	1.1	ND	ND
4	12/04/91 ¹	ND	ND	ND	ND	ND	ND	ND
	11/92 ²	ND	ND	ND	ND	2.8	1.1	ND
9	8/09/91 ¹	ND	ND	ND	ND	ND	ND	ND
10	8/09/91 ¹	ND	ND	ND	ND	ND	ND	ND
	11/92 ²	ND	ND	ND	5.8**	ND	ND	ND
11	8/09/91 ¹	ND	ND	ND	ND	ND	ND	ND
16	8/09/91 ¹	ND	ND	ND	ND	137.0	151.0	127
	8/23/91 ¹	ND	ND	ND	ND	196.0	509.0	69
	12/04/91 ¹	ND	ND	ND	ND	54.0	29.0	84
	11/92 ²	ND	ND	ND	ND	47.0	53.0	ND
Well D	12/04/91 ¹	ND	ND	ND	ND	ND	ND	43.0
Well D (bottom) ^A	11/92 ²	ND	ND	ND	4.7**	8.9	15.0	ND
Well D (top) ^B	11/92 ²	ND	ND	ND	5.9**	8.6	15.0	ND
G	11/92 ²	ND	ND	ND	2.3**	ND	ND	ND
H	11/92 ²	ND	ND	ND	3.4**	ND	ND	ND
I	11/92 ²	ND	ND	ND	ND	ND	ND	ND
Trip blank	11/92 ²	ND	ND	ND	ND	ND	ND	ND

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Table 5.2, continued

Well Number	Date	Bromodichloro- methane µg/L	Chloroform µg/L	Dibromochloro- methane µg/L	Dichloro- methane µg/L	Tetrachloro- ethylene µg/L	Trichloro- ethylene µg/L	<i>cis-trans</i> -1,2- Dichloroethylene ³ µg/L
MCL		*	*	*	5	5	5	70***
Fair Oaks Water Co.:								
Plant #1 ^C	5/17/89 ¹	ND	ND	ND	ND	ND	ND	ND
Plant #2 ^C	5/17/89 ¹	ND	ND	ND	ND	ND	ND	ND
Plant #3 ^C	5/17/89 ¹	ND	ND	ND	ND	ND	ND	ND

ND = nondetect

µg/L = micrograms per liter

MCL = maximum contaminant level

* Chlorination by-products of water supply well. MCL for the total concentration of the three is 100 µg/L.

** Suspected laboratory contamination.

*** *cis*-1,2-Dichloroethylene MCL 70 µg/L.

trans-1,2-Dichloroethylene MCL 100 µg/L.

A D top approximately 200' below top of casing (water level).

B D bottom approximately 400' below top of casing (bottom of well).

C Water sampled after treatment.

¹ Sample analyzed by Texas Department of Health or TWC, all detection limits are <1.0 µg/L.

² Sample analyzed by ES Atlanta contract laboratory; all detection limits are <0.5 µg/L except dichloromethane (<2.0).

³ *cis*- and *trans*-1,2-dichloroethylene have been analyzed as dichloroethylene.