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PASCO SANITARY LANDFILL

APPENDIX 2

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR EXPANSION OF THE PASCO SANITARY LANDFILL SITE

July, 1987

Prepared For:

FRANKLIN COUNTY

PLANNING DEPARTMENT

USEPA SF
1426452

APPENDIX 2

GROUNDWATER

MONITORING

RESULTS

APPENDIX 2
GROUNDWATER MONITORING RESULTS

The meaning of the groundwater monitoring results is provided in the following material.

The information generated, relative to the upgradient control well and the downgradient well J-U-B 4, will be used to explain the results. There are five categories, the associated tables provide all the information gathered to date on the Pasco Landfill. The relative rows and columns have the same meaning. Row 4 in the table lists the parameters which were tested and the information collected on the sampling dates is provided between rows 6 and 15. The mean concentration of each of the parameters is provided in row 22. The acceptable level (row 23) is the level set as the drinking water standard. Compliance (row 24) means true, the mean is less than the standard. For Well J-U-B 4, similar information is provided in rows 28 to 47.

Statistical information relative to the two means for each parameter is provided in rows 48 through 57. This information relates directly to the students t-test. Since a parameter such as pH could be less or greater than the concentration observed in the upgradient well, a positive t value and a negative t value are provided in rows 54 and 56. Calculated t's are provided in row 53. The probability value selected for the associated t values is .01. A .01 level of probability is called highly significant. The judgement of a significant difference between the two means is provided in rows 55 and 57. The word "false" in cell B48 indicates that the probability of there being no significant difference between the mean of the upgradient well and the mean of the pH at the downgradient well is greater that 1 percent. Such a difference as was observed would therefore be likely to occur by chance more than 1 in 100 times. A true statement in either rows 55 or 57 would lead us to the conclusion that a significance difference is proven at this level of probability.

It should be noted that the values entered for the detection limit concentration were entered at one half of the actual detection limit since it is assumed that there is something less than the detection value present in the groundwater. In the tables provided, some of the numbers have been italicized. The italicized numbers are actually one half of the detection limit encountered wherever these italicized numbers occur. This was done according to the Environmental Protection Agency's RCRA Groundwater Monitoring Technical Enforcement Guidance Document, September 1986, pages 122 and 123. The use of t-test is explained by Rover & McBean, Significance Testing for Impact Evaluation, "Groundwater Monitoring Review", Volume 1, #2, 1981, pp.39-43.

	A	B	C	D	E	F	G	H	I	J	K	L
1			TABLE 1	PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
2					CONTROL WELL VERSUS WELL #1							
3												
4	CONTROL WELL	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
5	DATE								(AS N)			
6	Feb-82	0.00500	0.05000	0.00050	0.00250	0.37000	0.00250	0.00025	5.22000	0.00250	0.00250	
7	Apr-82								5.10000			
8	Sep-82								4.10000			
9	Dec-82								4.33000			
10	Mar-83								5.37000			35.00000
11	Jun-83											
12	Mar-84								5.53000			
13	Jul-85											
14	Jul-86											
15	Oct-86	0.00500	0.05000	0.00050	0.00250		0.00250	0.00025		0.00250	0.00050	34.10000
16	Mar-87	0.00600	0.03000	0.00100	0.01000	0.30000	0.00500	0.00050	6.20000	0.00250	0.00100	36.00000
17	SUM	0.01600	0.13000	0.00200	0.01500	0.67000	0.01000	0.00100	35.85000	0.00750	0.00400	105.10000
18	SUM OF SQS	0.00009	0.00590	0.00000	0.00011	0.22690	0.00004	0.00000	186.67510	0.00002	0.00001	3683.81000
19	# OF OBS	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	7.00000	3.00000	3.00000	3.00000
20	VARIANCE	0.00000	0.00020	0.00000	0.00003	0.00490	0.00000	0.00000	0.59731	0.00000	0.00000	1.35500
21	STD DEV	0.00058	0.01155	0.00029	0.00433	0.04950	0.00144	0.00014	0.71553	0.00000	0.00104	0.95044
22	MEAN	0.00533	0.04333	0.00067	0.00500	0.33500	0.00333	0.00033	5.12143	0.00250	0.00133	35.03333
23	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	NONE
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	N/A
25												
26				PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
27												
28												
29	WELL #1	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
30	DATE								(AS N)			
31	Feb-82	0.00500	0.05000	0.00050	0.00250	0.27000	0.00250	0.00025	4.79000	0.00250	0.00250	
32	Apr-82											
33	Sep-82											
34	Dec-82											
35	Mar-83											
36	Jun-83											
37	Mar-84											
38	Jul-85											
39	Jul-86											
40	Oct-86											
41	Mar-87											
42	SUM	0.00500	0.05000	0.00050	0.00250	0.27000	0.00250	0.00025	4.79000	0.00250	0.00250	0.00000
43	SUM OF SQS	0.00003	0.00250	0.00000	0.00001	0.07290	0.00001	0.00000	22.94410	0.00001	0.00001	0.00000
44	# OF OBS	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	0.00000
45	VARIANCE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
46	STD DEV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	MEAN	0.00500	0.05000	0.00050	0.00250	0.27000	0.00250	0.00025	4.79000	0.00250	0.00250	#DIV/0!
48	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	-
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	#DIV/0!
50	CONTROL WELL											
51	VS WELL #1											
52	COMM VAR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
53	STD ERROR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	DF	2.00000	2.00000	2.00000	2.00000	1.00000	2.00000	2.00000	6.00000	2.00000	2.00000	1.00000
55	CALC T	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	31.82100	6.96500	6.96500	3.14300	6.96500	6.96500	6.96500
57	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-31.82100	-6.96500	-6.96500	-3.14300	-6.96500	-6.96500	-6.96500
59	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

	M	N	O	P	Q	R	S
1		TABLE 1 (CONT.)	PRIMARY DRINKING WATER PESTICIDES (mg/l)				
2							
3							
4	CONTROL WELL	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
5	DATE			CHLOR			
6	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
7	Apr-82						
8	Sep-82						
9	Dec-82						
10	Mar-83						
11	Jun-83						
12	Mar-84						
13	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
14	Jul-86						
15	Oct-86						
16	Mar-87						
17	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
18	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
21	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
22	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
23	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
25							
26			PRIMARY DRINKING WATER PESTICIDES (mg/l)				
27							
28							
29	WELL #1	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
30	DATE			CHLOR			
31	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
32	Apr-82						
33	Sep-82						
34	Dec-82						
35	Mar-83						
36	Jun-83						
37	Mar-84						
38	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
39	Jul-86						
40	Oct-86						
41	Mar-87						
42	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
43	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
44	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
45	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
46	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
47	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
48	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL						
51	VS WELL #1						
52	COMM VAR	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
53	STD ERROR	0.01500	0.02500	0.20000	0.50000	2.00000	0.25000
54	DF	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
55	CALC T	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	6.96500	6.96500
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	T	U	V	W	X	Y	Z	AA	AB	AC
1	TABLE 1 (CONT.)		SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
2										
3									TOTAL	
4	CONTROL WELL	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
5	DATE						CONDUCTIVITY		SOLIDS	
6	Feb-82	26.00000	*2.50000*	*0.00500*	0.49000	0.04000		83.00000	394.00000	*0.02500*
7	Apr-82					0.02000	570.00000		416.00000	
8	Sep-82				0.40000	0.01000	610.00000		416.00000	
9	Dec-82				2.10000	0.11000	555.00000		454.00000	
10	Mar-83	26.00000			0.39000	0.01000	620.00000		412.00000	
11	Jun-83									
12	Mar-84	26.30000			0.30000	0.02000	600.00000	32.00000	428.00000	
13	Jul-85									
14	Jul-86									
15	Oct-86			*0.00500*	0.52000	0.01000				*0.00250*
16	Mar-87	28.00000		*0.00100*	0.21	0.01100		70.00000	430.00000	0.01600
17	SUM	106.30000	2.50000	0.01100	4.41000	0.23100	2955.00000	185.00000	2950.00000	0.04350
18	SUM OF SQS	2827.69000	6.25000	0.00005	5.36670	0.01492	1749425.00000	12813.00000	1245292.00000	0.00089
19	# OF OBS	4.00000	1.00000	3.00000	7.00000	8.00000	5.00000	3.00000	7.00000	3.00000
20	VARIANCE	1.23000	#DIV/0!	0.00001	0.50330	0.00135	943.75000	1053.50000	404.00000	0.00019
21	STD DEV	0.96047	#DIV/0!	0.00231	0.65681	0.03433	27.47726	26.50157	18.60875	0.01132
22	MEAN	26.57500	2.50000	0.00367	0.63000	0.02888	591.00000	61.66667	421.42857	0.01450
23	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
25										
26			SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
27										
28									TOTAL	
29	WELL #1	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
30	DATE						CONDUCTIVITY		SOLIDS	
31	Feb-82	28.90000	*2.50000*	*0.00500*	1.60000	0.11000		80.00000	396.00000	*0.02500*
32	Apr-82					0.01000	570.00000		422.00000	
33	Sep-82				0.16000	0.01000	620.00000		440.00000	
34	Dec-82				0.53000	0.04000	515.00000		440.00000	
35	Mar-83	28.90000			0.19000	*0.00500*	620.00000			
36	Jun-83								412.00000	
37	Mar-84	27.70000			0.10000	0.01000	600.00000	32.00000	422.00000	
38	Jul-85									
39	Jul-86									
40	Oct-86									
41	Mar-87							71.00000		
42	SUM	85.50000	2.50000	0.00500	2.58000	0.18500	2925.00000	183.00000	2532.00000	0.02500
43	SUM OF SQS	2437.71000	6.25000	0.00003	2.91260	0.01403	1718925.00000	12465.00000	1069928.00000	0.00063
44	# OF OBS	3.00000	1.00000	1.00000	5.00000	6.00000	5.00000	3.00000	6.00000	1.00000
45	VARIANCE	0.72000	#DIV/0!	#DIV/0!	0.49416	0.00200	2437.50000	976.50000	341.76000	#DIV/0!
46	STD DEV	0.69282	#DIV/0!	#DIV/0!	0.62875	0.04079	44.15880	25.51470	18.87802	#DIV/0!
47	MEAN	28.50000	2.50000	0.00500	0.51600	0.03083	585.00000	61.00000	422.00000	0.02500
48	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL									
51	VS WELL #1									
52	COMM VAR	1.01143	#DIV/0!	#DIV/0!	0.49949	0.00163	1690.62500	1015.00000	375.27385	#DIV/0!
53	STD ERROR	0.76811	#DIV/0!	#DIV/0!	0.41383	0.02177	26.00481	26.01282	10.77758	#DIV/0!
54	DF	5.00000	0.00000	2.00000	10.00000	12.00000	8.00000	4.00000	11.00000	2.00000
55	CALC T	-2.50614	#DIV/0!	#DIV/0!	0.27548	-0.08994	0.23073	0.02563	-0.05302	#DIV/0!
56	ACCEPTABLE+T	3.36500		6.96500	2.76400	2.68100	2.89600	3.74700	2.71700	6.96500
57	SIG DIFF	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-3.36500		-6.96500	-2.76400	-2.68100	-2.89600	-3.74700	-2.71800	-6.96500
59	SIG DIFF	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1			TABLE 1 (CONT.)		MINIMAL	FUNCTIONAL	STANDARDS	PARAMETERS	(mg/l)						
2															
3													CHEMICAL	TOTAL	
4	CONTROL WELL	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
5	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
6	Feb-82			7.80000	26.00000		5.22000		83.00000	0.49000	*0.02500*	0.04000			*1.00000*
7	Apr-82		570.00000	7.35000			5.10000					0.02000			
8	Sep-82		610.00000	7.90000			4.10000			0.40000		0.01000			
9	Dec-82		555.00000	7.30000			4.33000			2.10000		0.11000			
10	Mar-83		620.00000	7.70000	26.00000		5.37000			0.39000		0.01000			
11	Jun-83														
12	Mar-84		600.00000		26.30000		5.53000		32.00000	0.30000		0.02000		2.40000	
13	Jul-85														
14	Jul-86														
15	Oct-86									0.52000	*0.00250*	0.01000			
16	Mar-87				28.00000				70.00000	*0.00500*	0.01600	0.01100	*5.00000*	12.00000	
17	SUM	0.00000	2955.00000	38.05000	106.30000	0.00000	29.65000	0.00000	185.00000	4.20500	0.04350	0.23100	5.00000	14.40000	1.00000
18	SUM OF SQS	0.00000	1749425.00000	289.85250	2827.69000	0.00000	148.23510	0.00000	12813.00000	5.32263	0.00089	0.01492	25.00000	149.76000	1.00000
19	# OF OBS	0.00000	5.00000	5.00000	4.00000	0.00000	6.00000	0.00000	3.00000	7.00000	3.00000	8.00000	1.00000	2.00000	1.00000
20	VARIANCE	#DIV/0!	943.75000	0.09125	1.23000	#DIV/0!	0.41152	#DIV/0!	1053.50000	0.54379	0.00019	0.00135	#DIV/0!	92.16000	#DIV/0!
21	STD DEV	#DIV/0!	27.47726	0.27019	0.96047	#DIV/0!	0.58561	#DIV/0!	26.50157	0.68272	0.01132	0.03433	#DIV/0!	6.78823	#DIV/0!
22	MEAN	#DIV/0!	591.00000	7.61000	26.57500	#DIV/0!	4.94167	#DIV/0!	61.66667	0.60071	0.01450	0.02888	5.00000	7.20000	1.00000
23	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
24	COMPLIANCE	#DIV/0!		TRUE	TRUE	#DIV/0!		#DIV/0!	TRUE	FALSE	TRUE	TRUE			TRUE
25															
26					MINIMAL	FUNCTIONAL	STANDARDS	PARAMETERS	(mg/l)						
27															
28													CHEMICAL	TOTAL	
29	WELL #1	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
30	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
31	Feb-82			7.80000	28.90000		4.79000		80.00000	1.80000	*0.02500*	0.11000			*2.00000*
32	Apr-82		570.00000	7.35000			5.15000					0.01000			
33	Sep-82		620.00000	8.00000			4.76000			0.16000		0.01000			
34	Dec-82		515.00000	3.10000			7.95000			0.53000		0.04000			
35	Mar-83		620.00000	7.60000	28.90000		5.06000			0.19000		*0.00500*			
36	Jun-83														
37	Mar-84		600.00000		27.70000		5.32000		32.00000	0.10000		0.01000		2.50000	
38	Jul-85														
39	Jul-86														
40	Oct-86														
41	Mar-87								71.00000				*5.00000*	2.80000	
42	SUM	0.00000	2925.00000	33.85000	85.50000	0.00000	33.03000	0.00000	183.00000	2.58000	0.02500	0.18500	5.00000	5.30000	2.00000
43	SUM OF SQS	0.00000	1718925.00000	246.23250	2437.71000	0.00000	189.23270	0.00000	12465.00000	2.91260	0.00063	0.01403	25.00000	14.09000	4.00000
44	# OF OBS	0.00000	5.00000	5.00000	3.00000	0.00000	6.00000	0.00000	3.00000	5.00000	1.00000	6.00000	1.00000	2.00000	1.00000
45	VARIANCE	#DIV/0!	2437.50000	5.33375	0.72000	#DIV/0!	1.77661	#DIV/0!	976.50000	0.49416	#DIV/0!	0.00200	#DIV/0!	0.09000	#DIV/0!
46	STD DEV	#DIV/0!	44.15880	2.06567	0.69282	#DIV/0!	1.21676	#DIV/0!	25.51470	0.62875	#DIV/0!	0.04078	#DIV/0!	0.21213	#DIV/0!
47	MEAN	#DIV/0!	585.00000	6.77000	28.50000	#DIV/0!	5.50500	#DIV/0!	61.00000	0.51600	0.02500	0.03083	5.00000	2.65000	2.00000
48	ACCEPTABLE LEVEL		700.00000	6.5-8.5	250.00000		10.00000	10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
49	COMPLIANCE	#DIV/0!	TRUE	TRUE	TRUE	#DIV/0!	TRUE	#DIV/0!	TRUE	FALSE	TRUE	TRUE			TRUE
50	CONTROL WELL														
51	VS WELL #1														
52	COMM VAR	#DIV/0!	1690.62500	2.71250	1.01143	#DIV/0!	1.09407	#DIV/0!	1015.00000	0.52311	#DIV/0!	0.00183	#DIV/0!	46.12500	#DIV/0!
53	STD ERROR	#DIV/0!	26.00481	1.04163	0.76811	#DIV/0!	0.60390	#DIV/0!	26.01282	0.42350	#DIV/0!	0.02177	#DIV/0!	6.79154	#DIV/0!
54	DF	-2.00000	8.00000	8.00000	5.00000	-2.00000	10.00000	-2.00000	4.00000	10.00000	2.00000	12.00000	0.00000	2.00000	0.00000
55	CALC T	#DIV/0!	0.23073	0.80643	-2.50614	#DIV/0!	-0.93283	#DIV/0!	0.02563	0.20003	#DIV/0!	-0.08994	#DIV/0!	0.66995	#DIV/0!
56	ACCEPTABLE+T		2.89600	3.14300	3.36500		2.76400		3.74700	2.76400	6.96500	2.68100		6.96500	
57	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	#DIV/0!
58	ACCEPTABLE-T		-2.89600	-3.14300	-3.36500		-2.76400		-3.74700	-2.76400	-6.96500	-2.68100		-6.96500	
59	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	#DIV/0!

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
1				TABLE 1 (CONT.)		ORGANIC SOLVENTS (ug/l)					
2											
3									TETRACH-		
4	CONTROL WELL	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
5	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
6	Feb-82										
7	Apr-82										
8	Sep-82										
9	Dec-82										
10	Mar-83										
11	Jun-83										
12	Mar-84										
13	Jul-85										
14	Jul-86										
15	Oct-86	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
16	Mar-87	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
17	SUM	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
18	SUM OF SQS	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	STD DEV	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	MEAN	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
23	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
24	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	N/A	TRUE
25											
26						ORGANIC SOLVENTS (ug/l)					
27											
28									TETRACH-		
29	WELL #1	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL.
30	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
31	Feb-82										
32	Apr-82										
33	Sep-82										
34	Dec-82										
35	Mar-83										
36	Jun-83										
37	Mar-84										
38	Jul-85	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*	*1.00000*
39	Jul-86										
40	Oct-86										
41	Mar-87										
42	SUM	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
43	SUM OF SQS	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
44	# OF OBS	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
45	VARIANCE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
46	STD DEV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	MEAN	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
48	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
49	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	FALSE
50	CONTROL WELL										
51	VS WELL #1										
52	COMM VAR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
53	STD ERROR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	DF	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
55	CALC T	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T										
57	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T										
59	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

	BD	BE	BF	BG
1	TABLE 1 (CONT.)	MISCELLANEOUS PARAMETERS (mg/l)		
2				
3				
4	CONTROL WELL	PHENOL	TOX	ODOR
5	DATE			
6	Jan-82	*0.02500*	0.02000	*0.50000*
7	Apr-82	0.00130	0.09000	
8	Sep-82	*0.00025*	0.11000	
9	Dec-82	*0.00050*	0.06000	
10	Mar-83	0.00250	*0.00050*	
11	Jun-83			
12	Mar-84	0.45000	0.03000	
13	Jul-85			
14	Jul-86			
15	Oct-86			
16	Mar-87		*0.01000*	
17	SUM	0.47955	0.32050	0.50000
18	SUM OF SQS	0.20313	0.02520	0.25000
19	# OF OBS	6.00000	7.00000	1.00000
20	VARIANCE	0.03955	0.00205	#DIV/0!
21	STD DEV	0.18155	0.04188	#DIV/0!
22	MEAN	0.07993	0.04579	0.50000
23	ACCEPTABLE LEVEL			3.00000
24	COMPLIANCE	FALSE	FALSE	TRUE
25				
26				
27	MISCELLANEOUS PARAMETERS (mg/l)			
28				
29	WELL #1	PHENOL	TOX	ODOR
30	DATE			
31	Feb-82	*0.02500*	0.01000	*0.50000*
32	Apr-82	0.00220		
33	Sep-82	0.01300		
34	Dec-82	0.00200	0.05000	
35	Mar-83	*0.00050*	0.09000	
36	Jun-83			
37	Mar-84	0.57000	0.03000	
38	Jul-85			
39	Jul-86			
40	Oct-86			
41	Mar-87		0.01000	
42	SUM	0.61270	0.19000	0.50000
43	SUM OF SQS	0.32570	0.01170	0.25000
44	# OF OBS	6.00000	5.00000	1.00000
45	VARIANCE	0.06315	0.00140	#DIV/0!
46	STD DEV	0.22941	0.03347	#DIV/0!
47	MEAN	0.10212	0.03800	0.50000
48	ACCEPTABLE LEVEL			3.00000
49	COMPLIANCE	FALSE	FALSE	TRUE
50	CONTROL WELL			
51	VS WELL #1			
52	COMM VAR	0.05135	0.00178	#DIV/0!
53	STD ERROR	0.13083	0.02468	#DIV/0!
54	DF	10.00000	10.00000	0.00000
55	CALC T	-0.16962	0.31540	#DIV/0!
56	ACCEPTABLE+T	2.99800	2.89600	
57	SIG DIFF	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-2.99800	-2.89600	
59	SIG DIFF	FALSE	FALSE	#DIV/0!

	A	B	C	D	E	F	G	H	I	J	K	L
1			TABLE 2	PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
2				CONTROL WELL VERSUS WELL #2								
3												
4	CONTROL WELL	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
5	DATE								(AS N)			
6	Feb-82	0.00500	0.05000	0.00050	0.00250	0.37000	0.00250	0.00025	5.22000	0.00250	0.00250	
7	Apr-82								5.10000			
8	Sep-82								4.10000			
9	Dec-82								4.33000			
10	Mar-83								5.37000			35.00000
11	Jun-83											
12	Mar-84								5.53000			
13	Jul-85											
14	Jul-86											
15	Oct-86	0.00500	0.05000	0.00050	0.00250		0.00250	0.00025		0.00250	0.00050	34.10000
16	Mar-87	0.00600	0.03000	0.00100	0.01000	0.30000	0.00500	0.00050	6.20000	0.00250	0.00100	36.00000
17	SUM	0.01600	0.13000	0.00200	0.01500	0.67000	0.01000	0.00100	35.85000	0.00750	0.00400	105.10000
18	SUM OF SQS	0.00008	0.00590	0.00000	0.00011	0.22690	0.00004	0.00000	186.67510	0.00002	0.00001	3683.81000
19	# OF OBS	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	7.00000	3.00000	3.00000	3.00000
20	VARIANCE	0.00000	0.00020	0.00000	0.00003	0.00490	0.00000	0.00000	0.59731	0.00000	0.00000	1.35500
21	STD DEV	0.00058	0.01155	0.00029	0.00433	0.04950	0.00144	0.00014	0.71553	0.00000	0.00104	0.95044
22	MEAN	0.00533	0.04333	0.00067	0.00500	0.33500	0.00333	0.00033	5.12143	0.00250	0.00133	35.03333
23	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	NONE
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	N/A
25												
26				PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
27												
28												
29	WELL #2	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
30	DATE								(AS N)			
31	Feb-82	0.00500	0.05000	0.00050	0.00250	0.30000	0.00250	0.00250	4.13000	0.00250	0.00250	
32	Apr-82											
33	Sep-82											
34	Dec-82											
35	Mar-83											
36	Jun-83											
37	Mar-84											
38	Jul-85											
39	Jul-86											
40	Oct-86											
41	Mar-87	0.00500	0.04000	0.00100	0.00500	0.30000	0.00500	0.00050	6.30000	0.00250	0.00100	36.00000
42	SUM	0.01000	0.09000	0.00150	0.00750	0.60000	0.00750	0.00300	10.43000	0.00500	0.00350	36.00000
43	SUM OF SQS	0.00005	0.00410	0.00000	0.00003	0.18000	0.00003	0.00001	56.74690	0.00001	0.00001	1296.00000
44	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	1.00000
45	VARIANCE	0.00000	0.00010	0.00000	0.00001	0.00000	0.00001	0.00000	4.70890	0.00000	0.00000	#DIV/0!
46	STD DEV	0.00000	0.00707	0.00035	0.00177	0.00000	0.00177	0.00141	1.53442	0.00000	0.00106	#DIV/0!
47	MEAN	0.00500	0.04500	0.00075	0.00375	0.30000	0.00375	0.00150	5.21500	0.00250	0.00175	36.00000
48	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	-
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL											
51	VS WELL #2											
52	COMM VAR	0.00000	0.00016	0.00000	0.00002	0.00245	0.00000	0.00000	1.51100	0.00000	0.00000	#DIV/0!
53	STD ERROR	0.00050	0.01155	0.00038	0.00402	0.04950	0.00191	0.00116	0.98557	0.00000	0.00125	#DIV/0!
54	DF	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	7.00000	3.00000	3.00000	2.00000
55	CALC T	0.66667	-0.14434	-0.21822	0.31109	0.70711	-0.21822	-1.00449	-0.09494	0.00000	-0.33333	#DIV/0!
56	ACCEPTABLE+T	4.54100	4.54100	4.54100	4.54100	6.96500	4.54100	4.54100	2.99800	4.54100	4.54100	
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-4.54100	-4.54100	-4.54100	-4.54100	-6.96500	-4.54100	-4.54100	-2.99800	-4.54100	-4.54100	
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!

	M	N	O	P	Q	R	S
1	TABLE 2 (CONT.)		PRIMARY DRINKING WATER PESTICIDES (mg/l)				
2							
3							
4	CONTROL WELL	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
5	DATE			CHLOR			
6	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
7	Apr-82						
8	Sep-82						
9	Dec-82						
10	Mar-83						
11	Jun-83						
12	Mar-84						
13	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
14	Jul-86						
15	Oct-86						
16	Mar-87						
17	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
18	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
21	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
22	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
23	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
25							
26			PRIMARY DRINKING WATER PESTICIDES (mg/l)				
27							
28							
29	WELL #2	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
30	DATE			CHLOR			
31	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
32	Apr-82						
33	Sep-82						
34	Dec-82						
35	Mar-83						
36	Jun-83						
37	Mar-84						
38	Jul-85	*0.02500*	*0.05000*	*0.02500*	*0.50000*	*0.50000*	*0.50000*
39	Jul-86						
40	Oct-86						
41	Mar-87						
42	SUM	0.03500	0.07500	0.07500	1.50000	3.00000	0.75000
43	SUM OF SQS	0.00073	0.00313	0.00313	1.25000	6.50000	0.31250
44	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
45	VARIANCE	0.00023	0.00063	0.00063	0.25000	4.00000	0.06250
46	STD DEV	0.01061	0.01768	0.01768	0.35355	1.41421	0.17678
47	MEAN	0.01750	0.03750	0.03750	0.75000	1.50000	0.37500
48	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL						
51	VS WELL #2						
52	COMM VAR	0.00023	0.00063	0.02031	0.25000	4.00000	0.06250
53	STD ERROR	0.01500	0.02500	0.14252	0.50000	2.00000	0.25000
54	DF	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
55	CALC T	0.00000	0.00000	0.78935	0.00000	0.00000	0.00000
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	6.96500	6.96500
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	T	U	V	W	X	Y	Z	AA	AB	AC
1		TABLE 2 (C	SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
2										
3									TOTAL	
4	CONTROL WELL	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
5	DATE						CONDUCTIVITY		SOLIDS	
6	Feb-82	26.00000	2.50000	0.00500	0.49000	0.04000		83.00000	394.00000	0.02500
7	Apr-82					0.02000	570.00000		416.00000	
8	Sep-82				0.40000	0.01000	610.00000		416.00000	
9	Dec-82				2.10000	0.11000	555.00000		454.00000	
10	Mar-83	26.00000			0.39000	0.01000	620.00000		412.00000	
11	Jun-83									
12	Mar-84	26.30000			0.30000	0.02000	600.00000	32.00000	428.00000	
13	Jul-85									
14	Jul-86									
15	Oct-86			0.00500	0.52000	0.01000				0.00250
16	Mar-87	28.00000		0.00100	0.21	0.01100		70.00000	430.00000	0.01600
17	SUM	108.30000	2.50000	0.01100	4.41000	0.23100	2955.00000	185.00000	2950.00000	0.04350
18	SUM OF SQS	2827.69000	6.25000	0.00005	5.36870	0.01492	1749425.00000	12813.00000	1245292.00000	0.00089
19	# OF OBS	4.00000	1.00000	3.00000	7.00000	8.00000	5.00000	3.00000	7.00000	3.00000
20	VARIANCE	1.23000	#DIV/0!	0.00001	0.50330	0.00135	943.75000	1053.50000	404.00000	0.00019
21	STD DEV	0.96047	#DIV/0!	0.00231	0.65681	0.03433	27.47726	26.50157	18.60875	0.01132
22	MEAN	26.57500	2.50000	0.00367	0.63000	0.02888	591.00000	61.66667	421.42857	0.01450
23	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
25										
26			SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
27										
28									TOTAL	
29	WELL #2	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
30	DATE						CONDUCTIVITY		SOLIDS	
31	Feb-82		2.50000	0.00500	0.61000	0.07000		79.00000	414.00000	0.02500
32	Apr-82					0.02000	590.00000		430.00000	
33	Sep-82				0.13000	0.03000	625.00000		452.00000	
34	Dec-82				0.13000	0.00500	515.00000		444.00000	
35	Mar-83	26.40000			0.09000	0.00500	620.00000		422.00000	
36	Jun-83									
37	Mar-84	27.70000			0.20000	0.02000	600.00000	34.00000	416.00000	
38	Jul-85									
39	Jul-86									
40	Oct-86									
41	Mar-87	32.00000	5.00000	0.00100	0.06000	0.01000			430.00000	0.00500
42	SUM	86.10000	7.50000	0.00600	1.22000	0.16000	2950.00000	113.00000	3008.00000	0.03000
43	SUM OF SQS	#VALUE!	1258.25000	225.00003	225.45760	289.00675	1748350.00000	34293.00000	1293782.25000	0.00065
44	# OF OBS	3.00000	2.00000	2.00000	6.00000	7.00000	5.00000	2.00000	7.00000	2.00000
45	VARIANCE	101.02375	654.16667	149.94001	37.57471	42.03309	2453.12500	8716.66667	26815.57813	0.00040
46	STD DEV	8.20665	18.08545	8.65852	5.59574	6.00236	44.30011	66.01767	151.60733	0.01414
47	MEAN	28.70000	3.75000	0.00300	0.20333	0.02286	590.00000	56.50000	429.71429	0.01500
48	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000		250.00000	500.00000	5.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE
50	CONTROL WELL									
51	VS WELL #2									
52	COMM VAR	43.99875	#DIV/0!	59.97601	17.61318	19.61616	1698.43750	4118.76667	13609.78906	0.00028
53	STD ERROR	5.06616	#DIV/0!	7.06965	2.33489	2.29223	26.06482	58.58588	62.35793	0.01515
54	DF	5.00000	1.00000	3.00000	11.00000	13.00000	8.00000	3.00000	12.00000	3.00000
55	CALC T	-0.41945	#DIV/0!	0.00009	0.18274	0.00263	0.03837	0.08819	-0.13287	-0.03300
56	ACCEPTABLE+T	3.36500	31.82100	4.54100	2.71800	2.65000	2.89600	4.54100	2.68100	4.54100
57	SIG DIFF	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-3.36500	-31.82100	-4.54100	-2.71800	-2.65000	-2.89600	-4.54100	-2.68100	-4.54100
59	SIG DIFF	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1				TABLE 2 (CONT.)		MINIMAL	FUNCTIONAL STANDARDS PARAMETERS (mg/l)								
2															
3													CHEMICAL	TOTAL	
4	CONTROL WELL	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
5	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
6	Feb-82			7.80000	26.00000		5.22000		83.00000	0.49000	*0.02500*	0.04000			*1.00000*
7	Apr-82		570.00000	7.35000			5.10000					0.02000			
8	Sep-82		610.00000	7.90000			4.10000			0.40000		0.01000			
9	Dec-82		555.00000	7.30000			4.33000			2.10000		0.11000			
10	Mar-83		620.00000	7.70000	26.00000		5.37000			0.39000		0.01000			
11	Jun-83														
12	Mar-84		600.00000		26.30000		5.53000		32.00000	0.30000		0.02000		2.40000	
13	Jul-85														
14	Jul-86														
15	Oct-86									0.52000	*0.00250*	0.01000			
16	Mar-87				28.00000				70.00000	*0.00500*	0.01600	0.01100	*5.00000*	12.00000	
17	SUM	0.00000	2955.00000	38.05000	106.30000	0.00000	29.65000	0.00000	185.00000	4.20500	0.04350	0.23100	5.00000	14.40000	1.00000
18	SUM OF SQS	0.00000	1749425.00000	289.85250	2827.69000	0.00000	148.23510	0.00000	12813.00000	5.32263	0.00089	0.01492	25.00000	149.78000	1.00000
19	# OF OBS	0.00000	5.00000	5.00000	4.00000	0.00000	6.00000	0.00000	3.00000	7.00000	3.00000	8.00000	1.00000	2.00000	1.00000
20	VARIANCE	#DIV/0!	943.75000	0.09125	1.23000	#DIV/0!	0.41152	#DIV/0!	1053.50000	0.54379	0.00019	0.00135	#DIV/0!	92.16000	#DIV/0!
21	STD DEV	#DIV/0!	27.47726	0.27019	0.96047	#DIV/0!	0.58561	#DIV/0!	26.50157	0.68272	0.01132	0.03433	#DIV/0!	6.78823	#DIV/0!
22	MEAN	#DIV/0!	591.00000	7.61000	26.57500	#DIV/0!	4.94167	#DIV/0!	61.66667	0.60071	0.01450	0.02888	5.00000	7.20000	1.00000
23	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
24	COMPLIANCE	#DIV/0!		TRUE	TRUE	#DIV/0!		#DIV/0!	TRUE	FALSE	TRUE	TRUE			TRUE
25															
26					MINIMAL	FUNCTIONAL STANDARDS PARAMETERS (mg/l)									
27															
28													CHEMICAL	TOTAL	
29	WELL #2	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
30	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
31	Feb-82			7.90000			4.12000		79.00000	0.61000	*0.02500*	0.07000			*1.00000*
32	Apr-82		590.00000	7.70000			4.31000					0.02000			
33	Sep-82		625.00000	7.85000			3.70000			0.13000		0.03000			
34	Dec-82		515.00000	7.90000			4.25000			0.13000		*0.00500*			
35	Mar-83		620.00000	7.60000	28.40000		5.06000			0.09000		*0.00500*			
36	Jun-83														
37	Mar-84		600.00000		27.70000		5.14000		34.00000	0.20000		0.02000		2.60000	
38	Jul-85														
39	Jul-86														
40	Oct-86														
41	Mar-87				32.00000					0.06000	0.00500	0.01000	*5.00000*	2.40000	
42	SUM	0.00000	2950.00000	38.95000	88.10000	0.00000	26.58000	0.00000	113.00000	1.22000	0.03000	0.16000	5.00000	5.00000	1.00000
43	SUM OF SQS	0.00000	1748350.00000	303.49250	2488.25000	0.00000	119.32820	0.00000	7397.00000	0.45780	0.00065	0.00875	25.00000	12.52000	1.00000
44	# OF OBS	0.00000	5.00000	5.00000	3.00000	0.00000	6.00000	0.00000	2.00000	6.00000	2.00000	7.00000	1.00000	2.00000	1.00000
45	VARIANCE	#DIV/0!	2453.12500	0.02250	12.88500	#DIV/0!	0.37843	#DIV/0!	2025.00000	0.05029	0.00040	0.00060	#DIV/0!	0.04000	#DIV/0!
46	STD DEV	#DIV/0!	44.30011	0.13416	2.93087	#DIV/0!	0.56157	#DIV/0!	31.81981	0.20471	0.01414	0.02270	#DIV/0!	0.14142	#DIV/0!
47	MEAN	#DIV/0!	590.00000	7.79000	28.70000	#DIV/0!	4.43000	#DIV/0!	56.50000	0.20333	0.01500	0.02286	5.00000	2.50000	1.00000
48	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
49	COMPLIANCE	#DIV/0!	FALSE	TRUE	TRUE	#DIV/0!	FALSE	#DIV/0!	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	TRUE
50	CONTROL WELL														
51	VS WELL #2														
52	COMM VAR	#DIV/0!	1698.43750	0.05687	6.22500	#DIV/0!	0.39498	#DIV/0!	1442.10000	0.31602	0.00028	0.00100	#DIV/0!	46.10000	#DIV/0!
53	STD ERROR	#DIV/0!	26.06482	0.15083	1.90558	#DIV/0!	0.36285	#DIV/0!	34.66627	0.31275	0.01515	0.01636	#DIV/0!	6.78970	#DIV/0!
54	DF	-2.00000	8.00000	8.00000	5.00000	-2.00000	10.00000	-2.00000	3.00000	11.00000	3.00000	13.00000	0.00000	2.00000	0.00000
55	CALC T	#DIV/0!	0.03837	-1.19339	-1.11514	#DIV/0!	1.41014	#DIV/0!	0.14904	1.27059	-0.03300	0.35786	#DIV/0!	0.69223	#DIV/0!
56	ACCEPTABLE+T		2.89600	2.89600	3.36500		2.76400		4.54100	2.71800	4.54100	2.65000		6.96500	
57	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!
58	ACCEPTABLE-T		-2.89600	-2.89600	-3.36500		-2.76400		-4.54100	-2.71800	-4.54100	-2.65000		-6.96500	
59	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
1				TABLE 2 (CONT.)		ORGANIC SOLVENTS (ug/l)					
2											
3									TETRACH-		
4	CONTROL WELL	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
5	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
6	Feb-82										
7	Apr-82										
8	Sep-82										
9	Dec-82										
10	Mar-83										
11	Jun-83										
12	Mar-84										
13	Jul-85										
14	Jul-86										
15	Oct-86	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
16	Mar-87	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
17	SUM	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
18	SUM OF SQS	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	STD DEV	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	MEAN	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
23	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
24	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	N/A	TRUE
25											
26						ORGANIC SOLVENTS (ug/l)					
27											
28									TETRACH-		
29	WELL #2	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
30	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
31	Feb-82										
32	Apr-82										
33	Sep-82										
34	Dec-82										
35	Mar-83										
36	Jun-83										
37	Mar-84										
38	Jul-85	13.00000	35.00000	15.00000	15.00000	17.00000	168.00000	164.00000	2.50000		
39	Jul-86										
40	Oct-86										
41	Mar-87	14.00000	26.00000			14.00000	67.00000	110.00000	4.00000	*0.50000*	*0.50000*
42	SUM	27.00000	61.00000	15.00000	15.00000	31.00000	235.00000	274.00000	6.50000	0.50000	0.50000
43	SUM OF SQS	365.00000	1901.00000	225.00000	225.00000	485.00000	32713.00000	38996.00000	22.25000	0.25000	0.25000
44	# OF OBS	2.00000	2.00000	1.00000	1.00000	2.00000	2.00000	2.00000	2.00000	1.00000	1.00000
45	VARIANCE	1.00000	81.00000	#DIV/0!	#DIV/0!	9.00000	10201.00000	2916.00000	2.25000	#DIV/0!	#DIV/0!
46	STD DEV	0.70711	6.36396	#DIV/0!	#DIV/0!	2.12132	71.41778	38.18377	1.06066	#DIV/0!	#DIV/0!
47	MEAN	13.50000	30.50000	15.00000	15.00000	15.50000	117.50000	137.00000	3.25000	0.50000	0.50000
48	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
49	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	TRUE
50	CONTROL WELL										
51	VS WELL #2										
52	COMM VAR	0.50000	40.50000	#DIV/0!	#DIV/0!	4.50000	5100.50000	1458.00000	1.12500	#DIV/0!	#DIV/0!
53	STD ERROR	0.70711	6.36396	#DIV/0!	#DIV/0!	2.12132	71.41778	38.18377	1.06066	#DIV/0!	#DIV/0!
54	DF	2.00000	2.00000	1.00000	1.00000	2.00000	2.00000	2.00000	2.00000	1.00000	1.00000
55	CALC T	-18.38478	-4.71405	#DIV/0!	#DIV/0!	-7.07107	-1.63825	-3.57482	-2.59272	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T										
57	SIG DIFF	FALSE	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T										
59	SIG DIFF	TRUE	TRUE	#DIV/0!	#DIV/0!	TRUE	TRUE	TRUE	TRUE	#DIV/0!	#DIV/0!

	BD	BE	BF	BG
1	TABLE 2 (CONT.)	MISCELLANEOUS PARAMETERS (mg/l)		
2				
3				
4	CONTROL WELL	PHENOL	TOX	ODOR
5	DATE			
6	Jan-82	*0.02500*	0.02000	*0.50000*
7	Apr-82	0.00130	0.09000	
8	Sep-82	*0.00025*	0.11000	
9	Dec-82	*0.00050*	0.06000	
10	Mar-83	0.00250	*0.00050*	
11	Jun-83			
12	Mar-84	0.45000	0.03000	
13	Jul-85			
14	Jul-86			
15	Oct-86			
16	Mar-87		*0.01000*	
17	SUM	0.47955	0.32050	0.50000
18	SUM OF SQS	0.20313	0.02520	0.25000
19	# OF OBS	6.00000	7.00000	1.00000
20	VARIANCE	0.03955	0.00205	#DIV/0!
21	STD DEV	0.18155	0.04188	#DIV/0!
22	MEAN	0.07993	0.04579	0.50000
23	ACCEPTABLE LEVEL			3.00000
24	COMPLIANCE	FALSE	FALSE	TRUE
25				
26				
27	MISCELLANEOUS PARAMETERS (mg/l)			
28				
29	WELL #2	PHENOL	TOX	ODOR
30	DATE			
31	Feb-82	0.10000	0.40000	*0.50000*
32	Apr-82	0.00320	0.01000	
33	Sep-82	0.29500	0.14000	
34	Dec-82	0.00300	0.53000	
35	Mar-83	*0.00050*	0.03000	
36	Jun-83			
37	Mar-84	0.45000	0.04000	
38	Jul-85			
39	Jul-86			
40	Oct-86			
41	Mar-87		0.16000	
42	SUM	0.85170	1.31000	0.50000
43	SUM OF SQS	0.29954	0.48870	0.25000
44	# OF OBS	6.00000	7.00000	1.00000
45	VARIANCE	0.04287	0.04736	#DIV/0!
46	STD DEV	0.18902	0.20147	#DIV/0!
47	MEAN	0.14195	0.18714	0.50000
48	ACCEPTABLE LEVEL			3.00000
49	COMPLIANCE	FALSE	FALSE	TRUE
50	CONTROL WELL			
51	VS WELL #2			
52	COMM VAR	0.04121	0.02470	#DIV/0!
53	STD ERROR	0.11721	0.08401	#DIV/0!
54	DF	10.00000	12.00000	0.00000
55	CALC T	-0.52918	-1.68265	#DIV/0!
56	ACCEPTABLE+T	2.99800	2.89600	
57	SIG DIFF	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-2.99800	-2.89600	
59	SIG DIFF	FALSE	FALSE	#DIV/0!

	A	B	C	D	E	F	G	H	I	J	K	L
1			TABLE 3	PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
2					CONTROL WELL VERSUS WELL #3							
3												
4	CONTROL WELL	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
5	DATE								(AS N)			
6	Feb-82	0.00500	0.05000	0.00050	0.00250	0.37000	0.00250	0.00025	5.22000	0.00250	0.00250	
7	Apr-82								5.10000			
8	Sep-82								4.10000			
9	Dec-82								4.33000			
10	Mar-83								5.37000			35.00000
11	Jun-83											
12	Mar-84								5.53000			
13	Jul-85											
14	Jul-86											
15	Oct-86	0.00500	0.05000	0.00050	0.00250		0.00250	0.00025		0.00250	0.00050	34.10000
16	Mar-87	0.00600	0.03000	0.00100	0.01000	0.30000	0.00500	0.00050	6.20000	0.00250	0.00100	36.00000
17	SUM	0.01600	0.13000	0.00200	0.01500	0.67000	0.01000	0.00100	35.85000	0.00750	0.00400	105.10000
18	SUM OF SQS	0.00009	0.00590	0.00000	0.00011	0.22690	0.00004	0.00000	186.67510	0.00002	0.00001	3683.81000
19	# OF OBS	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	7.00000	3.00000	3.00000	3.00000
20	VARIANCE	0.00000	0.00020	0.00000	0.00003	0.00490	0.00000	0.00000	0.59731	0.00000	0.00000	1.35500
21	STD DEV	0.00058	0.01155	0.00029	0.00433	0.04950	0.00144	0.00014	0.71553	0.00000	0.00104	0.95044
22	MEAN	0.00533	0.04333	0.00067	0.00500	0.33500	0.00333	0.00033	5.12143	0.00250	0.00133	35.03333
23	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	NONE
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	N/A
25												
26				PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
27												
28												
29	WELL #3	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
30	DATE								(AS N)			
31	Feb-82	0.00500	0.05000	0.00050	0.00250	0.45000	0.00250	0.00025	4.90000	0.00250	0.00250	
32	Apr-82											
33	Sep-82											
34	Dec-82											
35	Mar-83											
36	Jun-83											
37	Mar-84											
38	Jul-85											
39	Jul-86											
40	Oct-86											
41	Mar-87											
42	SUM	0.00500	0.05000	0.00050	0.00250	0.45000	0.00250	0.00025	4.90000	0.00250	0.00250	0.00000
43	SUM OF SQS	0.00003	0.00500	0.00000	0.00001	0.40500	0.00001	0.00000	48.02000	0.00001	0.00001	0.00000
44	# OF OBS	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	0.00000
45	VARIANCE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
46	STD DEV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	MEAN	0.00500	0.05000	0.00050	0.00250	0.45000	0.00250	0.00025	4.90000	0.00250	0.00250	#DIV/0!
48	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	-
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	#DIV/0!
50	CONTROL WELL											
51	VS WELL #3											
52	COMM VAR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
53	STD ERROR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	DF	2.00000	2.00000	2.00000	2.00000	1.00000	2.00000	2.00000	6.00000	2.00000	2.00000	1.00000
55	CALC T	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	31.82100	6.96500	6.96500	3.14300	6.96500	6.96500	
57	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-31.82100	-6.96500	-6.96500	-3.14300	-6.96500	-6.96500	
59	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

	M	N	O	P	Q	R	S
1	TABLE 3	PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)					
2							
3							
4	CONTROL WELL	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
5	DATE			CHLOR			
6	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
7	Apr-82						
8	Sep-82						
9	Dec-82						
10	Mar-83						
11	Jun-83						
12	Mar-84						
13	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
14	Jul-86						
15	Oct-86						
16	Mar-87						
17	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
18	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
21	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
22	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
23	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
25							
26			PRIMARY DRINKING WATER PESTICIDES (mg/l)				
27							
28							
29	WELL #3	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
30	DATE			CHLOR			
31	Feb-82	*0.02000*	*0.10000*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
32	Apr-82						
33	Sep-82						
34	Dec-82						
35	Mar-83						
36	Jun-83						
37	Mar-84						
38	Jul-85	*0.25000*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
39	Jul-86						
40	Oct-86						
41	Mar-87						
42	SUM	0.27000	0.15000	0.30000	1.50000	3.00000	0.75000
43	SUM OF SQS	0.06290	0.01250	0.06500	1.25000	6.50000	0.31250
44	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
45	VARIANCE	0.05290	0.00250	0.04000	0.25000	4.00000	0.06250
46	STD DEV	0.16263	0.03536	0.14142	0.35355	1.41421	0.17678
47	MEAN	0.13500	0.07500	0.15000	0.75000	1.50000	0.37500
48	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL						
51	VS WELL #3						
52	COMM VAR	0.02656	0.00156	0.04000	0.25000	4.00000	0.06250
53	STD ERROR	0.16298	0.03953	0.20000	0.50000	2.00000	0.25000
54	DF	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
55	CALC T	-0.72095	-0.94868	0.00000	0.00000	0.00000	0.00000
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	6.96500	6.96500
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	T	U	V	W	X	Y	Z	AA	AB	AC
1	TABLE 3 (CONT.)		SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
2										
3									TOTAL	
4	CONTROL WELL	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
5	DATE						CONDUCTIVITY		SOLIDS	
6	Feb-82	26.00000	*2.50000*	*0.00500*	0.49000	0.04000		83.00000	394.00000	*0.02500*
7	Apr-82					0.02000	570.00000		416.00000	
8	Sep-82				0.40000	0.01000	610.00000		416.00000	
9	Dec-82				2.10000	0.11000	555.00000		454.00000	
10	Mar-83	26.00000			0.39000	0.01000	620.00000		412.00000	
11	Jun-83									
12	Mar-84	26.30000			0.30000	0.02000	600.00000	32.00000	428.00000	
13	Jul-85									
14	Jul-86									
15	Oct-86			*0.00500*	0.52000	0.01000				*0.00250*
16	Mar-87	28.00000		*0.00100*	0.21000	0.01100		70.00000	430.00000	0.01600
17	SUM	106.30000	2.50000	0.01100	4.41000	0.23100	2955.00000	185.00000	2950.00000	0.04350
18	SUM OF SQS	2827.69000	6.25000	0.00005	5.36670	0.01492	1749425.00000	12813.00000	1245292.00000	0.00089
19	# OF OBS	4.00000	1.00000	3.00000	7.00000	8.00000	5.00000	3.00000	7.00000	3.00000
20	VARIANCE	1.23000	#DIV/0!	0.00001	0.50330	0.00135	943.75000	1053.50000	404.00000	0.00019
21	STD DEV	0.96047	#DIV/0!	0.00231	0.65681	0.03433	27.47726	26.50157	18.60875	0.01132
22	MEAN	26.57500	2.50000	0.00367	0.63000	0.02888	591.00000	61.66667	421.42857	0.01450
23	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
25										
26			SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
27										
28									TOTAL	
29	WELL #3	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
30	DATE						CONDUCTIVITY		SOLIDS	
31	Feb-82	25.60000	*2.50000*	*0.00500*	0.35000	*0.00500*		77.50000	394.00000	*0.02500*
32	Apr-82					*0.00500*	570.00000		352.00000	
33	Sep-82				0.75000	0.02000	620.00000		420.00000	
34	Dec-82				0.16000	*0.00500*	555.00000		416.00000	
35	Mar-83	25.60000			0.15000	*0.00500*	610.00000		404.00000	
36	Jun-83									
37	Mar-84	26.30000			0.60000	0.03000	590.00000	34.00000	406.00000	
38	Jul-85									
39	Jul-86									
40	Oct-86									
41	Mar-87							70.00000		
42	SUM	77.50000	2.50000	0.00500	2.01000	0.07000	2945.00000	181.50000	2392.00000	0.02500
43	SUM OF SQS	2002.41000	6.25000	0.00003	1.09310	0.00140	1737525.00000	12062.25000	958648.00000	0.00063
44	# OF OBS	3.00000	1.00000	1.00000	5.00000	6.00000	5.00000	3.00000	6.00000	1.00000
45	VARIANCE	0.24500	#DIV/0!	#DIV/0!	0.08909	0.00014	912.50000	811.12500	728.96000	#DIV/0!
46	STD DEV	0.40415	#DIV/0!	#DIV/0!	0.26696	0.01080	27.01851	23.25403	24.64684	#DIV/0!
47	MEAN	25.83333	2.50000	0.00500	0.40200	0.01167	589.00000	60.50000	398.66667	0.02500
48	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL									
51	VS WELL #3									
52	COMM VAR	0.80786	#DIV/0!	#DIV/0!	0.33071	0.00083	928.12500	932.31250	553.98154	#DIV/0!
53	STD ERROR	0.68648	#DIV/0!	#DIV/0!	0.33873	0.01556	19.26785	24.93074	13.09467	#DIV/0!
54	DF	5.00000	0.00000	2.00000	10.00000	12.00000	8.00000	4.00000	11.00000	2.00000
55	CALC T	1.08040	#DIV/0!	#DIV/0!	0.67710	1.10616	0.10380	0.04680	1.73826	#DIV/0!
56	ACCEPTABLE+T	3.36500		6.96500	2.76400	2.68100	2.82100	3.74700	2.71800	6.96500
57	SIG DIFF	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-3.36500		-6.96500	-2.76400	-2.68100	-2.82100	-3.74700	-2.71800	-6.96500
59	SIG DIFF	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	FALSE	#DIV/0!

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1			TABLE 3 (CONT.		MINIMAL	FUNCTIONAL STANDARDS PARAMETERS (mg/l)									
2															
3													CHEMICAL	TOTAL	
4	CONTROL WELL	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
5	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
6	Feb-82			7.80000	26.00000		5.22000		83.00000	0.49000	*0.02500*	0.04000			*1.00000*
7	Apr-82		570.00000	7.35000			5.10000					0.02000			
8	Sep-82		610.00000	7.90000			4.10000			0.40000		0.01000			
9	Dec-82		555.00000	7.30000			4.33000			2.10000		0.11000			
10	Mar-83		620.00000	7.70000	26.00000		5.37000			0.39000		0.01000			
11	Jun-83														
12	Mar-84		600.00000		26.30000		5.53000		32.00000	0.30000		0.02000		2.40000	
13	Jul-85														
14	Jul-86														
15	Oct-86									0.52000	*0.00250*	0.01000			
16	Mar-87				28.00000				70.00000	*0.00500*	0.01600	0.01100	*5.00000*	12.00000	
17	SUM	0.00000	2955.00000	38.05000	106.30000	0.00000	29.65000	0.00000	185.00000	4.20500	0.04350	0.23100	5.00000	14.40000	1.00000
18	SUM OF SQS	0.00000	1749425.00000	289.85250	2827.69000	0.00000	148.23510	0.00000	12813.00000	5.32263	0.00089	0.01492	25.00000	149.76000	1.00000
19	# OF OBS	0.00000	5.00000	5.00000	4.00000	0.00000	6.00000	0.00000	3.00000	7.00000	3.00000	8.00000	1.00000	2.00000	1.00000
20	VARIANCE	#DIV/0!	943.75000	0.09125	1.23000	#DIV/0!	0.41152	#DIV/0!	1053.50000	0.54379	0.00019	0.00135	#DIV/0!	92.16000	#DIV/0!
21	STD DEV	#DIV/0!	27.47726	0.27018	0.96047	#DIV/0!	0.58561	#DIV/0!	26.50157	0.68272	0.01132	0.03433	#DIV/0!	6.78823	#DIV/0!
22	MEAN	#DIV/0!	591.00000	7.61000	26.57500	#DIV/0!	4.94167	#DIV/0!	61.66667	0.60071	0.01450	0.02888	5.00000	7.20000	1.00000
23	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
24	COMPLIANCE	#DIV/0!		TRUE	TRUE	#DIV/0!		#DIV/0!	TRUE	FALSE	TRUE	TRUE			TRUE
25															
26					MINIMAL	FUNCTIONAL STANDARDS PARAMETERS (mg/l)									
27															
28													CHEMICAL	TOTAL	
29	WELL #3	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
30	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
31	Feb-82			7.95000	25.60000		4.90000		77.50000	0.35000	*0.02500*	*0.00500*			*1.00000*
32	Apr-82		570.00000	7.90000			5.20000					*0.00500*			
33	Sep-82		620.00000	8.00000			4.10000			0.75000		0.02000			
34	Dec-82		555.00000	7.90000			4.50000			0.16000		*0.00500*			
35	Mar-83		610.00000	7.70000	25.60000		5.10000			0.15000		*0.00500*			
36	Jun-83														
37	Mar-84		590.00000		26.30000		5.40000		34.00000	0.60000		0.03000		3.20000	
38	Jul-85														
39	Jul-86														
40	Oct-86														
41	Mar-87								70.00000				*5.00000*	2.10000	
42	SUM	0.00000	2945.00000	39.45000	77.50000	0.00000	29.20000	0.00000	181.50000	2.01000	0.02500	0.07000	5.00000	5.30000	1.00000
43	SUM OF SQS	0.00000	1737525.00000	311.31250	2002.41000	0.00000	143.28000	0.00000	12062.25000	1.09310	0.00063	0.00140	25.00000	14.65000	1.00000
44	# OF OBS	0.00000	5.00000	5.00000	3.00000	0.00000	6.00000	0.00000	3.00000	5.00000	1.00000	6.00000	1.00000	2.00000	1.00000
45	VARIANCE	#DIV/0!	912.50000	0.01625	0.24500	#DIV/0!	0.28160	#DIV/0!	811.12500	0.08909	#DIV/0!	0.00014	#DIV/0!	1.21000	#DIV/0!
46	STD DEV	#DIV/0!	27.01851	0.11402	0.40415	#DIV/0!	0.48442	#DIV/0!	23.25403	0.26896	#DIV/0!	0.01080	#DIV/0!	0.77782	#DIV/0!
47	MEAN	#DIV/0!	589.00000	7.89000	25.83333	#DIV/0!	4.86667	#DIV/0!	60.50000	0.40200	0.02500	0.01167	5.00000	2.65000	1.00000
48	ACCEPTABLE LEVEL		700.00000	6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
49	COMPLIANCE	#DIV/0!	TRUE	TRUE	TRUE	#DIV/0!	FALSE	#DIV/0!	TRUE	FALSE	TRUE	TRUE	FALSE	FALSE	TRUE
50	CONTROL WELL														
51	VS WELL #3														
52	COMM VAR	#DIV/0!	928.12500	0.05375	0.80786	#DIV/0!	0.34656	#DIV/0!	932.31250	0.35433	#DIV/0!	0.00083	#DIV/0!	46.88500	#DIV/0!
53	STD ERROR	#DIV/0!	19.26785	0.14863	0.68648	#DIV/0!	0.33988	#DIV/0!	24.93074	0.34855	#DIV/0!	0.01556	#DIV/0!	6.83284	#DIV/0!
54	DF	-2.00000	8.00000	8.00000	5.00000	-2.00000	10.00000	-2.00000	4.00000	10.00000	2.00000	12.00000	0.00000	2.00000	0.00000
55	CALC T	#DIV/0!	0.10380	-1.90958	1.08040	#DIV/0!	0.22066	#DIV/0!	0.04680	0.57012	#DIV/0!	1.10616	#DIV/0!	0.68592	#DIV/0!
56	ACCEPTABLE+T		2.82100	3.14300	3.36500		2.89600		3.74700	2.76400	6.96500	2.68100		6.96500	
57	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	#DIV/0!
58	ACCEPTABLE-T		-2.82100	-3.14300	-3.36500		-2.89600		-3.74700	-2.76400	-6.96500	-2.68100		-6.96500	
59	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	FALSE	#DIV/0!

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
1				TABLE 3 (CONT.)		ORGANIC SOLVENTS (ug/l)					
2											
3									TETRACH-		
4	CONTROL WELL	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
5	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
6	Feb-82										
7	Apr-82										
8	Sep-82										
9	Dec-82										
10	Mar-83										
11	Jun-83										
12	Mar-84										
13	Jul-85										
14	Jul-86										
15	Oct-86	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
16	Mar-87	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*	*0.50000*
17	SUM	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
18	SUM OF SQS	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	STD DEV	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	MEAN	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
23	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
24	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	N/A	TRUE
25											
26						ORGANIC SOLVENTS (ug/l)					
27											
28									TETRACH-		
29	WELL #3	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
30	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
31	Feb-82										
32	Apr-82										
33	Sep-82										
34	Dec-82										
35	Mar-83										
36	Jun-83										
37	Mar-84										
38	Jul-85										
39	Jul-86										
40	Oct-86										
41	Mar-87	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*	*2.50000*
42	SUM	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000
43	SUM OF SQS	6.25000	6.25000	6.25000	6.25000	6.25000	6.25000	6.25000	6.25000	6.25000	6.25000
44	# OF OBS	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
45	VARIANCE	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
46	STD DEV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	MEAN	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000	2.50000
48	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
49	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	FALSE
50	CONTROL WELL										
51	VS WELL #3										
52	COMM VAR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
53	STD ERROR	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	DF	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
55	CALC T	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T										
57	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T										
59	SIG DIFF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

	BD	BE	BF	BG
1	TABLE 3 (CONT.)	MISCELLANEOUS PARAMETERS (mg/l)		
2				
3				
4	CONTROL WELL	PHENOL	TOX	ODOR
5	DATE			
6	Jan-82	*0.02500*	0.02000	*0.50000*
7	Apr-82	0.00130	0.09000	
8	Sep-82	*0.00025*	0.11000	
9	Dec-82	*0.00050*	0.06000	
10	Mar-83	0.00250	*0.00050*	
11	Jun-83			
12	Mar-84	0.45000	0.03000	
13	Jul-85			
14	Jul-86			
15	Oct-86			
16	Mar-87		*0.01000*	
17	SUM	0.47955	0.32050	0.50000
18	SUM OF SQS	0.20313	0.02520	0.25000
19	# OF OBS	6.00000	7.00000	1.00000
20	VARIANCE	0.03955	0.00205	#DIV/0!
21	STD DEV	0.18155	0.04188	#DIV/0!
22	MEAN	0.07993	0.04579	0.50000
23	ACCEPTABLE LEVEL			3.00000
24	COMPLIANCE	FALSE	FALSE	TRUE
25				
26				
27	MISCELLANEOUS PARAMETERS (mg/l)			
28				
29	WELL #3	PHENOL	TOX	ODOR
30	DATE			
31	Feb-82	*0.02500*	0.00000	*0.50000*
32	Apr-82	0.00220		
33	Sep-82	0.01550	0.16000	
34	Dec-82	*0.00050*	0.56000	
35	Mar-83	0.00300	0.01000	
36	Jun-83			
37	Mar-84	*0.00500*	0.03000	
38	Jul-85			
39	Jul-86			
40	Oct-86			
41	Mar-87		*0.01000*	
42	SUM	0.05120	0.77000	0.50000
43	SUM OF SQS	0.00090	0.34030	0.25000
44	# OF OBS	6.00000	6.00000	1.00000
45	VARIANCE	0.00011	0.05796	#DIV/0!
46	STD DEV	0.00967	0.21977	#DIV/0!
47	MEAN	0.00853	0.12833	0.50000
48	ACCEPTABLE LEVEL			3.00000
49	COMPLIANCE	FALSE	FALSE	TRUE
50	CONTROL WELL			
51	VS WELL #3			
52	COMM VAR	0.01983	0.02785	#DIV/0!
53	STD ERROR	0.08131	0.09285	#DIV/0!
54	DF	10.00000	11.00000	0.00000
55	CALC T	0.87805	-0.88907	#DIV/0!
56	ACCEPTABLE+T	2.99800	2.89600	
57	SIG DIFF	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-2.99800	-2.89600	
59	SIG DIFF	FALSE	FALSE	#DIV/0!

	A	B	C	D	E	F	G	H	I	J	K	L
1			TABLE 4	PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
2												
3												
4	CONTROL WELL	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
5	DATE								(AS N)			
6	Feb-82	0.00500	0.05000	0.00050	0.00250	0.37000	0.00250	0.00025	5.22000	0.00250	0.00250	
7	Apr-82								5.10000			
8	Sep-82								4.10000			
9	Dec-82								4.33000			
10	Mar-83								5.37000			35.00000
11	Jun-83											
12	Mar-84								5.53000			
13	Jul-85											
14	Jul-86											
15	Oct-86	0.00500	0.05000	0.00050	0.00250		0.00250	0.00025		0.00250	0.00050	34.10000
16	Mar-87	0.00600	0.03000	0.00100	0.01000	0.30000	0.00500	0.00050	6.20000	0.00250	0.00100	36.00000
17	SUM	0.01600	0.13000	0.00200	0.01500	0.67000	0.01000	0.00100	35.85000	0.00750	0.00400	105.10000
18	SUM OF SQS	0.00009	0.00590	0.00000	0.00011	0.22690	0.00004	0.00000	186.67510	0.00002	0.00001	3683.81000
19	# OF OBS	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	7.00000	3.00000	3.00000	3.00000
20	VARIANCE	0.00000	0.00020	0.00000	0.00003	0.00490	0.00000	0.00000	0.59731	0.00000	0.00000	1.35500
21	STD DEV	0.00058	0.01155	0.00029	0.00433	0.04950	0.00144	0.00014	0.71553	0.00000	0.00104	0.95044
22	MEAN	0.00533	0.04333	0.00067	0.00500	0.33500	0.00333	0.00033	5.12143	0.00250	0.00133	35.03333
23	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	NONE
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	N/A
25												
26				PRIMARY DRINKING WATER CHEMICAL AND PHYSICAL PARAMETERS (mg/l)								
27												
28												
29	WELL #4	ARSENIC	BARIUM	CADMIUM	CHROMIUM	FLUORIDE	LEAD	MERCURY	NITRATE	SELENIUM	SILVER	SODIUM
30	DATE								(AS N)			
31	Feb-82											
32	Apr-82											
33	Sep-82											
34	Dec-82	0.00500	0.25000	0.00050	0.00250	0.40000	0.00250	0.00025	4.45000	0.00250	0.00250	
35	Mar-83								4.63000			
36	Jun-83								5.30000			
37	Mar-84								4.99000			
38	Jul-85											
39	Jul-86											
40	Oct-86	0.00500	0.16000	0.00050	0.00250		0.00250	0.00025		0.00250	0.00050	37.00000
41	Mar-87	0.00500	0.04000	0.00100	0.00500	0.30000	0.00500	0.00050	5.70000	0.00250	0.00100	35.00000
42	SUM	0.01500	0.45000	0.00200	0.01000	0.70000	0.01000	0.00100	25.07000	0.00750	0.00400	72.00000
43	SUM OF SQS	0.00008	0.08970	0.00000	0.00004	0.25000	0.00004	0.00000	126.71950	0.00002	0.00001	2594.00000
44	# OF OBS	3.00000	3.00000	3.00000	3.00000	2.00000	3.00000	3.00000	5.00000	3.00000	3.00000	2.00000
45	VARIANCE	0.00000	0.01685	0.00000	0.00000	0.01000	0.00000	0.00000	0.31829	0.00000	0.00000	4.00000
46	STD DEV	0.00000	0.10536	0.00029	0.00144	0.07071	0.00144	0.00014	0.50461	0.00000	0.00104	1.41421
47	MEAN	0.00500	0.15000	0.00067	0.00333	0.35000	0.00333	0.00033	5.01400	0.00250	0.00133	36.00000
48	ACCEPTABLE LEVEL	0.05000	1.00000	0.01000	0.05000	1.80000	0.05000	0.00200	10.00000	0.01000	0.05000	-
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL											
51	VS WELL #4											
52	COMM VAR	0.00000	0.00843	0.00000	0.00002	0.00745	0.00000	0.00000	0.48105	0.00000	0.00000	2.41300
53	STD ERROR	0.00041	0.07494	0.00029	0.00323	0.08631	0.00144	0.00014	0.40612	0.00000	0.00104	1.41804
54	DF	4.00000	4.00000	4.00000	4.00000	2.00000	4.00000	4.00000	10.00000	4.00000	4.00000	3.00000
55	CALC T	0.81650	-1.42328	0.00000	0.51640	-0.17379	0.00000	0.00000	0.26453	0.00000	0.00000	-0.68169
56	ACCEPTABLE+T	3.74700	3.74700	3.74700	3.74700	6.96500	3.74700	3.74700	2.76400	3.74700	3.74700	4.54100
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-3.74700	-3.74700	-3.74700	-3.74700	-6.96500	-3.74700	-3.74700	-2.76400	-3.74700	-3.74700	-4.54100
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	M	N	O	P	Q	R	S
1		TABLE 4 (CONT.)	PRIMARY DRINKING WATER PESTICIDES (mg/l)				
2							
3							
4	CONTROL WELL	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
5	DATE			CHLOR			
6	Feb-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
7	Apr-82						
8	Sep-82						
9	Dec-82						
10	Mar-83						
11	Jun-83						
12	Mar-84						
13	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
14	Jul-86						
15	Oct-86						
16	Mar-87						
17	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
18	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
21	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
22	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
23	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
25							
26			PRIMARY DRINKING WATER PESTICIDES (mg/l)				
27							
28							
29	WELL #4	LINDANE	ENDRIN	METHOXY-	TOXAPHENE	2, 4-D	SILVEX
30	DATE			CHLOR			
31	Feb-82						
32	Apr-82						
33	Sep-82						
34	Dec-82	*0.01000*	*0.02500*	*0.05000*	*1.00000*	*2.50000*	*0.25000*
35	Mar-83						
36	Jun-83						
37	Mar-84						
38	Jul-85	*0.025*	*0.05000*	*0.25000*	*0.50000*	*0.50000*	*0.50000*
39	Jul-86						
40	Oct-86						
41	Mar-87						
42	SUM	0.03500	0.07500	0.30000	1.50000	3.00000	0.75000
43	SUM OF SQS	0.00073	0.00313	0.06500	1.25000	6.50000	0.31250
44	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
45	VARIANCE	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
46	STD DEV	0.01061	0.01768	0.14142	0.35355	1.41421	0.17678
47	MEAN	0.01750	0.03750	0.15000	0.75000	1.50000	0.37500
48	ACCEPTABLE LEVEL	4.00000	0.20000	100.00000	5.00000	100.00000	10.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL						
51	VS WELL #4						
52	COMM VAR	0.00023	0.00063	0.04000	0.25000	4.00000	0.06250
53	STD ERROR	0.01500	0.02500	0.20000	0.50000	2.00000	0.25000
54	DF	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
55	CALC T	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
56	ACCEPTABLE+T	6.96500	6.96500	6.96500	6.96500	6.96500	6.96500
57	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
58	ACCEPTABLE-T	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500	-6.96500
59	SIG DIFF	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	T	U	V	W	X	Y	Z	AA	AB	AC
1	TABLE 4 (CONT.)	SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)								
2										
3									TOTAL	
4	CONTROL WELL	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
5	DATE						CONDUCTIVITY		SOLIDS	
6	Feb-82	26.00000	*2.50000*	*0.00500*	0.49000	0.04000		83.00000	384.00000	*0.02500*
7	Apr-82					0.02000	570.00000		416.00000	
8	Sep-82				0.40000	0.01000	610.00000		416.00000	
9	Dec-82				2.10000	0.11000	555.00000		454.00000	
10	Mar-83	26.00000			0.39000	0.01000	620.00000		412.00000	
11	Jun-83									
12	Mar-84	26.30000			0.30000	0.02000	600.00000	32.00000	428.00000	
13	Jul-85									
14	Jul-86									
15	Oct-86			*0.00500*	0.52000	0.01000				*0.00250*
16	Mar-87	28.00000		*0.00100*	0.21000	0.01100		70.00000	430.00000	0.01600
17	SUM	106.30000	2.50000	0.01100	4.41000	0.23100	2955.00000	185.00000	2950.00000	0.04350
18	SUM OF SQS	2827.69000	6.25000	0.00005	5.36670	0.01492	1749425.00000	12813.00000	1245292.00000	0.00089
19	# OF OBS	4.00000	1.00000	3.00000	7.00000	8.00000	5.00000	3.00000	7.00000	3.00000
20	VARIANCE	1.23000	#DIV/0!	0.00001	0.50330	0.00135	943.75000	1053.50000	404.00000	0.00019
21	STD DEV	0.96047	#DIV/0!	0.00231	0.65681	0.03433	27.47726	26.50157	18.80875	0.01132
22	MEAN	26.57500	2.50000	0.00367	0.63000	0.02888	591.00000	61.66667	421.42857	0.01450
23	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
24	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
25										
26			SECONDARY DRINKING WATER CHEMICAL AND PHYSICAL CONTAMINANTS (mg/l)							
27										
28									TOTAL	
29	WELL #4	CHLORIDE	COLOR	COPPER	IRON	MANGANESE	SPECIFIC	SULPHATE	DISSOLVED	ZINC
30	DATE						CONDUCTIVITY		SOLIDS	
31	Feb-82									
32	Apr-82									
33	Sep-82									
34	Dec-82	28.00000	*2.50000*	*0.00500*	0.70000	0.02000	555.00000		478.00000	*0.02500*
35	Mar-83	23.00000			0.66000	0.02000	380.00000		560.00000	
36	Jun-83				*0.02500*	*0.00500*	600.00000		440.00000	
37	Mar-84	25.50000			0.10000	0.01000	660.00000	34.00000	443.00000	
38	Jul-85									
39	Jul-86									
40	Oct-86			*0.00500*	0.21000	*0.00500*				0.00600
41	Mar-87	28.00000	5.00000	*0.00100*	0.11000	0.02600			410.00000	0.01400
42	SUM	104.50000	7.50000	0.01100	1.80500	0.08600	2195.00000	34.00000	2331.00000	0.04500
43	SUM OF SQS	2747.25000	31.25000	0.00005	0.99243	0.00163	1248025.00000	1156.00000	1100033.00000	0.00086
44	# OF OBS	4.00000	2.00000	3.00000	6.00000	6.00000	4.00000	1.00000	5.00000	3.00000
45	VARIANCE	7.63889	6.25000	0.00001	0.10786	0.00009	19341.66667	#DIV/0!	4162.75000	0.00014
46	STD DEV	2.39357	1.76777	0.00231	0.29981	0.00887	120.44189	#DIV/0!	57.70789	0.00954
47	MEAN	26.12500	3.75000	0.00367	0.30083	0.01433	548.75000	34.00000	466.20000	0.01500
48	ACCEPTABLE LEVEL	250.00000	15.00000	1.00000	0.30000	0.05000	700.00000	250.00000	500.00000	5.00000
49	COMPLIANCE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
50	CONTROL WELL									
51	VS WELL #4									
52	COMM VAR	4.43444	#DIV/0!	0.00001	0.32079	0.00081	9120.60185	#DIV/0!	1970.14583	0.00016
53	STD ERROR	1.48903	#DIV/0!	0.00231	0.31511	0.01537	64.06458	#DIV/0!	25.98997	0.01047
54	DF	6.00000	1.00000	4.00000	11.00000	12.00000	7.00000	2.00000	10.00000	4.00000
55	CALC T	0.30221	#DIV/0!	0.00000	1.04462	0.94595	0.65949	#DIV/0!	-1.72264	-0.04775
56	ACCEPTABLE+T	3.14300	31.82100	3.74700	2.71800	2.68100	2.99800	6.96500	2.76400	3.74700
57	SIG DIFF	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	FALSE	FALSE
58	ACCEPTABLE-T	-3.14300	-31.82100	-3.74700	-2.71800	-2.68100	-2.99800	-6.96500	-2.76400	-3.74700
59	SIG DIFF	FALSE	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	FALSE	FALSE

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1			TABLE 4 (CONT.		MINIMAL	FUNCTIONAL	STANDARDS	PARAMETERS	(mg/l)						
2															
3													CHEMICAL	TOTAL	
4	CONTROL WELL	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
5	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
6	Feb-82			7.80000	26.00000		5.22000		83.00000	0.49000	*0.02500*	0.04000			*1.00000*
7	Apr-82		570.00000	7.35000			5.10000					0.02000			
8	Sep-82		610.00000	7.90000			4.10000			0.40000		0.01000			
9	Dec-82		555.00000	7.30000			4.33000			2.10000		0.11000			
10	Mar-83		620.00000	7.70000	26.00000		5.37000			0.39000		0.01000			
11	Jun-83														
12	Mar-84		600.00000		26.30000		5.53000		32.00000	0.30000		0.02000		2.40000	
13	Jul-85														
14	Jul-86														
15	Oct-86									0.52000	*0.00250*	0.01000			
16	Mar-87				28.00000				70.00000	*0.00500*	0.01600	0.01100	*5.00000*	12.00000	
17	SUM	0.00000	2955.00000	38.05000	106.30000	0.00000	29.65000	0.00000	185.00000	4.20500	0.04350	0.23100	5.00000	14.40000	1.00000
18	SUM OF SQS	0.00000	1749425.00000	289.85250	2827.69000	0.00000	148.23510	0.00000	12813.00000	5.32263	0.00089	0.01492	25.00000	149.76000	1.00000
19	# OF OBS	0.00000	5.00000	5.00000	4.00000	0.00000	6.00000	0.00000	3.00000	7.00000	3.00000	8.00000	1.00000	2.00000	1.00000
20	VARIANCE	#DIV/0!	943.75000	0.09125	1.23000	#DIV/0!	0.41152	#DIV/0!	1053.50000	0.54379	0.00019	0.00135	#DIV/0!	92.16000	#DIV/0!
21	STD DEV	#DIV/0!	27.47726	0.27019	0.96047	#DIV/0!	0.58561	#DIV/0!	26.50157	0.68272	0.01132	0.03433	#DIV/0!	6.78823	#DIV/0!
22	MEAN	#DIV/0!	591.00000	7.61000	26.57500	#DIV/0!	4.94167	#DIV/0!	61.66667	0.60071	0.01450	0.02888	5.00000	7.20000	1.00000
23	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
24	COMPLIANCE	#DIV/0!		TRUE	TRUE	#DIV/0!		#DIV/0!	TRUE	FALSE	TRUE	TRUE			TRUE
25															
26					MINIMAL	FUNCTIONAL	STANDARDS	PARAMETERS	(mg/l)						
27															
28													CHEMICAL	TOTAL	
29	WELL #4	TEMP	SPECIFIC	pH	CHLORIDE	NO2-N	NO3-N	NH3-N	SULPHATE	DISSOLVED	DISSOLVED	DISSOLVED	OXYGEN	ORGANIC	TOTAL
30	DATE		CONDUCTIVITY							IRON	ZINC	MANGANESE	DEMAND	CARBON	COLIFORM
31	Feb-82														
32	Apr-82														
33	Sep-82														
34	Dec-82		555.00000	7.80000	28.00000		4.45000			0.70000	*0.02500*	0.02000			
35	Mar-83		380.00000	7.20000	23.00000		4.63000			0.66000		0.02000			
36	Jun-83		600.00000	7.80000			5.30000			*0.02500*		*0.00500*			
37	Mar-84		660.00000		25.50000		4.99000		34.00000	0.10000		0.01000		2.40000	
38	Jul-85														
39	Jul-86														
40	Oct-86									0.21000	0.00600	*0.00500*			
41	Mar-87				28.00000					0.11000	0.01400	0.02600	*5.00000*	2.40000	
42	SUM	0.00000	2195.00000	22.80000	104.50000	0.00000	19.37000	0.00000	34.00000	1.80500	0.04500	0.08600	5.00000	4.80000	0.00000
43	SUM OF SQS	0.00000	1248025.00000	173.52000	2747.25000	0.00000	94.22950	0.00000	1156.00000	0.99243	0.00086	0.00163	25.00000	11.52000	0.00000
44	# OF OBS	0.00000	4.00000	3.00000	4.00000	0.00000	4.00000	0.00000	1.00000	6.00000	3.00000	6.00000	1.00000	2.00000	0.00000
45	VARIANCE	#DIV/0!	19341.66667	0.18000	7.63889	#DIV/0!	0.19123	#DIV/0!	#DIV/0!	0.10786	0.00014	0.00009	#DIV/0!	0.00000	#DIV/0!
46	STD DEV	#DIV/0!	120.44189	0.34641	2.39357	#DIV/0!	0.37871	#DIV/0!	#DIV/0!	0.29981	0.00954	0.00887	#DIV/0!	0.00000	#DIV/0!
47	MEAN	#DIV/0!	548.75000	7.60000	26.12500	#DIV/0!	4.84250	#DIV/0!	34.00000	0.30083	0.01500	0.01433	5.00000	2.40000	#DIV/0!
48	ACCEPTABLE LEVEL			6.5-8.5	250.00000			10.00000	250.00000	0.30000	5.00000	0.05000			3.00000
49	COMPLIANCE	#DIV/0!		TRUE	TRUE	#DIV/0!		#DIV/0!	TRUE	FALSE	TRUE	TRUE			#DIV/0!
50	CONTROL WELL														
51	VS WELL #4														
52	COMM VAR	#DIV/0!	9120.60185	0.12453	4.43444	#DIV/0!	0.32341	#DIV/0!	#DIV/0!	0.34259	0.00016	0.00081	#DIV/0!	46.08000	#DIV/0!
53	STD ERROR	#DIV/0!	64.06458	0.25771	1.48903	#DIV/0!	0.36709	#DIV/0!	#DIV/0!	0.32564	0.01047	0.01537	#DIV/0!	6.78823	#DIV/0!
54	DF	-2.00000	7.00000	6.00000	6.00000	-2.00000	8.00000	-2.00000	2.00000	11.00000	4.00000	12.00000	0.00000	2.00000	-1.00000
55	CALC T	#DIV/0!	0.65949	0.03880	0.30221	#DIV/0!	0.27014	#DIV/0!	#DIV/0!	0.92090	-0.04775	0.94595	#DIV/0!	0.70711	#DIV/0!
56	ACCEPTABLE+T		2.99800	3.14300	3.14300		2.89600		6.96500	2.71800	3.74700	2.68100		6.96500	
57	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!
58	ACCEPTABLE-T		-2.99800	-3.14300	-3.14300		-2.89600		-6.96500	-2.71800	-3.74700	-2.68100		-6.96500	
59	SIG DIFF	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	#DIV/0!	FALSE	#DIV/0!

	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
1				TABLE 4 (CONT.)		ORGANIC SOLVENTS (ug/l)					
2											
3									TETRACH-		
4	CONTROL WELL	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
5	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
6	Feb-82										
7	Apr-82										
8	Sep-82										
9	Dec-82										
10	Mar-83										
11	Jun-83										
12	Mar-84										
13	Jul-85										
14	Jul-86										
15	Oct-86	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
16	Mar-87	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
17	SUM	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
18	SUM OF SQS	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
19	# OF OBS	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
20	VARIANCE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	STD DEV	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	MEAN	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
23	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
24	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	N/A	TRUE
25											
26						ORGANIC SOLVENTS (ug/l)					
27											
28									TETRACH-		
29	WELL #4	1-DICHLORO	1-DICHLORO	TRANS-1	DICHLORO	CHLORO-	1-TRICHLOR	TRICHOLOR	CHLOROE	TOLUENE	TOTAL
30	DATE	ETHYLENE	ETHANE		ETHYLENE	FORM	OETHANE	OETHYLENE	THYLENE		XYLENE
31	Feb-82										
32	Apr-82										
33	Sep-82										
34	Dec-82										
35	Mar-83										
36	Jun-83										
37	Mar-84										
38	Jul-85										
39	Jul-86										
40	Oct-86	9.00000	40.00000	20.00000	20.00000	18.00000	150.00000	150.00000	7.00000	0.50000	0.50000
41	Mar-87	0.50000	2.00000			0.50000	0.50000	1.00000	2.00000	0.50000	0.50000
42	SUM	9.50000	42.00000	20.00000	20.00000	18.50000	150.50000	151.00000	9.00000	1.00000	1.00000
43	SUM OF SQS	81.25000	1604.00000	400.00000	400.00000	324.25000	22500.25000	22501.00000	53.00000	0.50000	0.50000
44	# OF OBS	2.00000	2.00000	1.00000	1.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
45	VARIANCE	72.25000	1444.00000	#DIV/0!	#DIV/0!	306.25000	22350.25000	22201.00000	25.00000	0.00000	0.00000
46	STD DEV	6.01041	26.87006	#DIV/0!	#DIV/0!	12.37437	105.71246	105.35891	3.53553	0.00000	0.00000
47	MEAN	4.75000	21.00000	20.00000	20.00000	9.25000	75.25000	75.50000	4.50000	0.50000	0.50000
48	ACCEPTABLE LEVEL	0.40000	NONE	0.27000	0.27000	0.10000	1.00000	0.00450	0.00350	NONE	0.62000
49	COMPLIANCE	FALSE	N/A	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	TRUE
50	CONTROL WELL										
51	VS WELL #4										
52	COMM VAR	36.12500	722.00000	#DIV/0!	#DIV/0!	153.12500	11175.12500	11100.50000	12.50000	0.00000	0.00000
53	STD ERROR	6.01041	26.87006	#DIV/0!	#DIV/0!	12.37437	105.71246	105.35891	3.53553	0.00000	0.00000
54	DF	2.00000	2.00000	1.00000	1.00000	2.00000	2.00000	2.00000	2.00000	2.00000	2.00000
55	CALC T	-0.70711	-0.76293	#DIV/0!	#DIV/0!	-0.70711	-0.70711	-0.71185	-1.13137	#DIV/0!	#DIV/0!
56	ACCEPTABLE+T										
57	SIG DIFF	FALSE	FALSE	#DIV/0!	#DIV/0!	FALSE	FALSE	FALSE	FALSE	#DIV/0!	#DIV/0!
58	ACCEPTABLE-T										
59	SIG DIFF	TRUE	TRUE	#DIV/0!	#DIV/0!	TRUE	TRUE	TRUE	TRUE	#DIV/0!	#DIV/0!

	BD	BE	BF	BG
1	TABLE 4 (CONT.)	MISCELLANEOUS PARAMETERS (mg/l)		
2				
3				
4	CONTROL WELL	PHENOL	TOX	ODOR
5	DATE			
6	Jan-82	*0.02500*	0.02000	*0.50000*
7	Apr-82	0.00130	0.09000	
8	Sep-82	*0.00025*	0.11000	
9	Dec-82	*0.00050*	0.06000	
10	Mar-83	0.00250	*0.00050*	
11	Jun-83			
12	Mar-84	0.45000	0.03000	
13	Jul-85			
14	Jul-86			
15	Oct-86			
16	Mar-87		*0.01000*	
17	SUM	0.47955	0.32050	0.50000
18	SUM OF SQS	0.20313	0.02520	0.25000
19	# OF OBS	6.00000	7.00000	1.00000
20	VARIANCE	0.03955	0.00205	#DIV/0!
21	STD DEV	0.18155	0.04188	#DIV/0!
22	MEAN	0.07993	0.04579	0.50000
23	ACCEPTABLE LEVEL			3.00000
24	COMPLIANCE	FALSE	FALSE	TRUE
25				
26				
27	MISCELLANEOUS PARAMETERS (mg/l)			
28				
29	WELL #4	PHENOL	TOX	ODOR
30	DATE			
31	Feb-82			
32	Apr-82			
33	Sep-82			
34	Dec-82	*0.00050*	0.05000	
35	Mar-83	0.00400	0.07000	
36	Jun-83		0.01200	
37	Mar-84	*0.00500*	0.03000	
38	Jul-85			
39	Jul-86			
40	Oct-86			
41	Mar-87		0.02000	
42	SUM	0.00950	0.18200	0.00000
43	SUM OF SQS	0.00004	0.00884	0.00000
44	# OF OBS	3.00000	5.00000	0.00000
45	VARIANCE	0.00001	0.00069	#DIV/0!
46	STD DEV	0.00238	0.02355	#DIV/0!
47	MEAN	0.00317	0.03640	#DIV/0!
48	ACCEPTABLE LEVEL			3.00000
49	COMPLIANCE	FALSE	FALSE	#DIV/0!
50	CONTROL WELL			
51	VS WELL #4			
52	COMM VAR	0.02637	0.00148	#DIV/0!
53	STD ERROR	0.11483	0.02255	#DIV/0!
54	DF	7.00000	10.00000	-1.00000
55	CALC T	0.66845	0.41625	#DIV/0!
56	ACCEPTABLE+T	2.99800	2.89600	
57	SIG DIFF	FALSE	FALSE	#DIV/0!
58	ACCEPTABLE-T	-2.99800	-2.89600	
59	SIG DIFF	FALSE	FALSE	#DIV/0!