

August 8, 1996

Mr. Phillip B. Dellinger  
U.S. EPA Region VI  
Suite 1200 (6WQ-SG)  
1445 Ross Ave  
Dallas TX 75202-2733

Dear Mr. Dellinger:

Subject: Groundwater Monitoring Results from Pump Test

The attached is a copy of the groundwater analytical results for samples taken from monitoring wells 91, 92, 93 and 94 between May 24, 1993, and June 6, 1994. These results are also provided in electronic format.

Surface water that is collected in the boiler house area was sampled once in 1994. The sample was taken from the boiler house sump. Although no records of the fact were made, it is believed that the sample was taken between rainfall events after the surface water had been pumped down. This data probably represents more contamination than is typically present.

The table of data also includes results of a sample taken from the "Beaver Pond" which is part of Rocky Branch Creek, northwest of the site.

Please call if you have any questions (302-594-5951).

Sincerely,



Douglas J. Keilman  
Technical Director  
Health & Environment

DJK/lar  
Enclosure(s)  
wp/i:delinger.ltr

cc: A. J. Lefranc - Hercules Incorporated

62-9627

275  
202/5  
5

WELL PURGING LOG

PROJECT NAME / LOCATION: VERTAC / JACKSONVILLE				PREPARED BY: <u>EIS</u> REVIEWED BY: _____		PROJECT NO. 6220-05D	PAGE NO. 3 of 17		
Monitoring Well No.	Date / Time	Purged By	Purging Device	Purge Volume Calculation			Measured Purge Vol. Volume/Method	Purge Rate (GPM)	Field Parameters Stabilize? Yes/No
				Water Col.	3 Well Vol.	5 Well Vol.			
MWB10	6/27/96 1000	EIS, RMC	4" Submersible Pump	119.39	931.24	-	930 gal	10/6 GPM	YES
PZ146	6/27/96 1520	EIS, KC	2" Submersible Pump	17.23	8.62	-	9 gal	1600 ml/min	YES
MWB8	6/27/96 1500	EIS, RMC	4" Submersible	121.80	950.04	-	-	6 GPM	-
MWB9	6/27/96 1530	EIS, KC	bailey	2.25	4.5	-	0.5 gal	NA	NONE TAKEN
MWB9	6/27/96 1555	EIS, KC	2" Submersible	9.69	19.4	-	2.5 gal	900 ml/min	UPPER TAKEN
MWB8	6/27/96 0620	EIS, RMC	4" Submersible	121.80	950.04	-	950 gal	1/2 gpm	YES
MWB9	6/27/96 0715	EIS, RMC	4" Submersible	92.93	724.35	-	930 gal	5 gpm	YES
MWB22	6/28/96 0812	EIS, RMC, KC	bailey	3.04	1.52	-	~.5 liters	NA	NONE TAKEN
MWB2	6/28/96 0830	EIS, RMC, KC	bailey	20.54	10.27	-	10 gal	NA	YES
MWB27	6/28/96 0927	RRL	bailey	22.81	11.41	-	13 gal	NA	YES
MWB7	6/28/96 094	EIS, KC	2" Submersible	14.57	29.41	-	11 gal	0.5 gpm	YES
MWB75	6/28/96 1310	EIS, KC	2" Submersible	26.45	52.40	-	33 gals	0.5 gpm	YES
MWB9	6/28/96 1325	RRL	bailey	19.32	38.64	-	38 gals	NA	YES
MWB77	6/28/96 1320	RRL	bailey	16.92	33.84	-	20 gal	NA	YES
MWB93	6/28/96 0735	EIS, RMC	4" Submersible	226.43	452.86	-	515 gal	4.5 gpm	YES
MWB5	6/28/96 0820	EIS, RMC	4" Submersible	89.36	658.01	-	~700 gal	5 gpm	YES
MWB99	6/28/96 0935	EIS, RMC	2" Submersible	99.41	188.82	-	~190 gal	0.5 gpm/10'	YES
MWB13	6/28/96 1358	EIS, RMC	2" Submersible	15.40	30.80	-	31 gal	NA	YES

NOTES: 1. Derivation of Calculation in SAP (SECTION 5.2): 3 Well Volumes - 0.5 x Water Thickness; 5 Well Volumes - 0.8 x Water Thickness

JUL 15 1996 1:57PM HERCULES H&E 0025347255 NO. 115 P.5/5

# WATER LEVEL DATA

PROJECT NAME / LOCATION: VERTAC / JACKSONVILLE, AR					PREPARED BY: EJS REVIEWED BY: JF		PROJECT NO. 6220-050	PAGE NO. 1 of 17
Monitoring Well No.	Reference Pt. Elevation (NGVD)	Total Depth (ft)		Depth Below Reference Point Water	Water Thickness (Ft.)	Water Surface Elev. (NGVD)	Date / Time	Measured By
		Installed	Measured					
MW42	279.69	39.0	NA	16.16	20.54	263.23	6/26/96 0920	EJS, EPJ
MW22	285.56	18.0	NA	17.76	3.04	267.80	6/26/96 0925	EJS, "
MWB6	285.24	131.0	NA	14.71	119.39	270.53	6/26/96 0935	EJS, "
MWB8	283.18	131.6	NA	12.40	121.80	270.78	6/26/96 0940	EJS, "
MWB7	271.49	18.0	NA	6.53	14.57	264.96	6/26/96 0945	EJS, "
MW77	273.90	20.3	NA	6.38	16.92	267.02	6/26/96 0948	EJS, "
MWB9	275.5	27.0	NA	10.58	19.32	264.92	6/26/96 0950	EJS, "
MWB9	273.72	99.9	NA	4.07	92.98	269.65	6/26/96 0953	EJS, "
MW90	279.37	101.8	NA	9.37	99.83	270.0	6/26/96 0955	EJS, "
MW99	281.17	101.9	NA	10.89	94.41	270.28	6/26/96 1000	EJS, "
MW75	288.33	31.5	NA	7.65	26.45	280.68	6/26/96 1005	EJS, "
MW27	284.70	29.0	NA	9.29	22.81	275.41	6/26/96 1008	EJS, "
MW91	285.29	114.1	NA	14.74	101.26	270.55	6/26/96 1010	EJS, "
MW93	288.42	242.0	NA	17.87	226.43	270.55	6/26/96 1015	EJS, "
P2196	292.81	25.99	NA	8.71	17.23	284.10	6/26/96 1020	EJS, "
MW85	286.28	101.2	NA	20.14	89.36	266.14	6/26/96 1055	EJS, "
MW9	258.89	12.5	NA	3.51	9.69	255.38	6/26/96 1058	EJS, "
MW18	270.01	10.5	NA	6.07	6.53	263.94	6/26/96 1100	EJS, "
MW56	270.77	13.0	NA	8.86	6.54	261.91	6/26/96 1105	EJS, "
MW29	272.29	25.5	NA	7.84	20.96	264.45	6/26/96 1107	EJS, "
MW18	282.61	92.2	NA	2.92	97.18	279.69	6/26/96 1112	EJS, "
MW16	266.9	23.3	NA	10.24	14.86	256.66	6/26/96 1115	EJS, "
MW97	290.48	99.9	NA	10.10	91.50	280.38	6/26/96 1118	EJS, "

JUL. 5. 1996 1:56PM HERCULES H&E 3085947295

JUL. 15, 1996 1:57PM HERCULES H&E 0025347255

NO. 115 P. 4/5

# WATER LEVEL DATA

PROJECT NAME / LOCATION: VERTAC / JACKSONVILLE, AR					PREPARED BY: <u>EIJ</u>	PROJECT NO. <u>6220-050</u>	PAGE NO. 2 of 17	
Monitoring Well No.	Reference Pt. Elevation (NGVD)	Total Depth (ft)		Depth Below Reference Point Water	Water Thickness (ft.)	Water Surface Elev. (NGVD)	Date / Time	Measured By
		Installed	Measured					
MW 96	296.6	100.5	NA	14.09	88.51	282.51	6/20/96 1120	EIS
MW 95	304.62	109.1	NA	13.79	97.43	290.83	6/20/96 1125	EIS
MW 17	280.35	9.7	NA	6.42	5.28	273.93	6/20/96 1130	EIS
MW 36	279.76	14.5	NA	12.27	5.13	267.49	6/20/96 1133	EIS
MW 31	281.0	13.0	NA	8.86	19.95	275.05	6/20/96 1135	EIS
MW 13	297.89	27.8	NA	13.60	15.40	284.29	6/20/96 1138	EIS
MW 69	298.66	11.0	NA	12.55	2.25	286.11	6/20/96 1210	EIS

# Arkansas Analytical, Inc.

001772

21-Sep-94

Hercules, Inc.  
1907 Hill Road  
Jacksonville, AR 72076

Attn: Bobbie Burney

Lab #:	94-2028	94-2029
Sample ID:	Boiler Sump	Beaver Pond
Sample Date:	9-6-94	9-6-94
Date Received:	9-6-94	9-6-94

## ANALYTICAL RESULTS

units			
<b>PHENOLS</b>			
ug/L	Phenol	<5	<5
ug/L	2-Chlorophenol	<5	<5
ug/L	2,4-Dichlorophenol	50.3	<5
ug/L	4-Chlorophenol	<5	<5
ug/L	2,6-Dichlorophenol	<5	<5
ug/L	2,4,6-Trichlorophenol	5	<5
ug/L	2,4,5-Trichlorophenol	9.7	<5
ug/L	2,3,6-Trichlorophenol	<5	<5
	<i>Surrogate Recovery</i>		
<b>PHENOXYHERBICIDES</b>			
ug/L	2,6-D	345	<5
ug/L	2,4-D	250	<5
ug/L	2,4,6-T	152	<2
ug/L	Silvex	46	<2
ug/L	2,4,5-T	52	<2
	<i>Surrogate Recovery</i>	84	95
mg/L	Toluene	<0.010	<0.010
	<i>Surrogate Recovery</i>	71.5*	98
ng/L	2,3,7,8-TCDD (ppt)	<3	<3
mg/L	TSS	24	9
mg/L	TDS	195	67
mg/L	TOC	12.9	16.3
mg/L	Chlorides	54.6	4.3

LHHA Pock AR 72205 • (501) 664-5661 • FAX (501) 664-5891

21-Sep-94

Hercules, Inc.  
1907 Hill Road  
Jacksonville, AR 72076

Attn: Bobbie Burney

Lab #:	94-2028	94-2029
Sample ID:	Boiler Sump	Beaver Pond
Sample Date:	9-6-94	9-6-94
Date Received:	9-6-94	9-6-94

**ANALYTICAL RESULTS:**

**POLYNUCLEAR AROMATIC HYDROCARBONS**

ug/L	Naphthalene	<5	<5
ug/L	Acenaphthylene	<5	<5
ug/L	Acenaphthene	<5	<5
ug/L	Fluorene	<5	<5
ug/L	Phenanthrene	<5	<5
ug/L	Anthracene	<5	<5
ug/L	Fluoranthene	<5	<5
ug/L	Pyrene	<5	<5
ug/L	Benzo(a)anthracene	<5	<5
ug/L	Chrysene	<5	<5
ug/L	Benzo(b)fluoranthene	<5	<5
ug/L	Benzo(k)fluoranthene	<5	<5
ug/L	Benzo(a)pyrene	<5	<5
ug/L	Dibenzo(a,h)anthracene	<5	<5
ug/L	Benzo(ghi)perylene	<5	<5
ug/L	Indeno(1,2,3-cd)pyrene	<5	<5

**Surrogate Recovery**

2-Fluorophenol	9.5	10
d6-phenol	8	7
Tribromophenol	34.5	36.5
d5-Nitrobenzene	44.5	40
2-Fluorobiphenyl	33	30.5
d14-Terphenyl	53	53.5

**METALS**

mg/L	Arsenic	<0.002	<0.002
mg/L	Barium	<0.20	<0.20
mg/L	Cadmium	<0.01	<0.01
mg/L	Chromium	<0.05	<0.05
mg/L	Lead	<0.10	<0.10
mg/L	Mercury	<0.0003	<0.0003
mg/L	Selenium	<0.002	<0.002
mg/L	Silver	<0.02	<0.02

\*Maximum Average Concentration(mg/L)

001773

North University • Little Rock, AR 72205 • (501) 664-5661 • FAX (501) 664-5891

21-Sep-94

Hercules, Inc.  
1907 Hill Road  
Jacksonville, AR 72076

Attn: Bobbie Burney

Lab #:	94-2028	94-2029
Sample ID:	Boiler Sump	Beaver Pond
Sample Date:	9-6-94	9-6-94
Date Received:	9-6-94	9-6-94

QUALITY CONTROL RESULTS

Blank units	Blank	Percent Variance Duplicate	Recovery Matrix Spike	Recovery Control Spike	Method of Analysis	Analyst Initials
<b>PHENOLS and PAHS</b>						
ug/L	2-Chlorophenol	<5	46.1	16	32, 20	8270 L. Redican/ LR
ug/L	4-Nitrophenol	<5	161*	nr	13, 1.4	
ug/L	4-chloro-3-methylphenol	<5	84.6*	40.7	54.3, 46.7	
ug/L	Pentachlorophenol	<5	13.2	7.6	53.3, 46.7	
ug/L	Phenol	<5	91.8*	5	14.3, 5.3*	
ug/L	Acenaphthene	<5	30.4	30	36, 26.5	
ug/L	1,4-Dichlorobenzene	<5	40.8*	22.5	28, 18.5	
ug/L	2,4-Dinitrotoluene	<5	123*	36	7, 29.5	
ug/L	N-Nitrosodipropylamine	<5	47*	27.5	31.5, 19.5	
ug/L	Pyrene	<5	11.9	42	53.5, 47.5	
ug/L	1,2,4-Trichlorobenzene	<5	43.5	24.5	28, 18	
<b>Surrogate Recovery</b>						
	2-Fluorophenol	13.2	55.7	7	19.5, 1	8270 L. Redican/ LR
	d6-phenol	2.5	92*	6.5	16.5, 6.1*	
	Tribromophenol	68.5	14.6	21	62.5, 54	
	d5-Nitrobenzene	51.5	42.6*	43	55.5, 36	
	2-Fluorobiphenyl	38.5	31.6	31	38.5, 28	
	d14-Terphenyl	70.5	2.2	58	69, 67.5	
<i>*does not meet lab acceptability criteria</i>						

001774

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21-Sep-94

Hercules, Inc.  
1907 Hill Road  
Jacksonville, AR 72076

Attn: Bobbie Burney

Lab #:	94-2028	94-2029
Sample ID:	Boiler Sump	Beaver Pond
Sample Date:	9-6-94	9-6-94
Date Received:	9-6-94	9-6-94

**QUALITY CONTROL RESULTS**

PHENOXYHERBICIDES						
ug/L	2,6-D	<5	26	92	43	8150 K. Glover/
ug/L	2,4-D	<5	27	110	58	
ug/L	2,4,6-T	<2	15	120	59	
ug/L	Silvex	<2	25	114	65	
ug/L	2,4,5-T	<2	9	117	61	
	Percent Recovery Surrogate	68.0		88	78	
ng/L	2,3,7,8-TCDD	<3	3.2	138	123	8280 L. Redican/ LK
mg/L	Toluene	<0.010	21.5	91.2	105	8260 L. Redican/ LK
	Surrogate	115	12.6	111	104	8260
mg/L	TSS	<1	40	na	101	160.2 J. Hurley/ JH
mg/L	TDS	<1	6	na	104	160.1 J. Hurley/ JH
mg/L	TOC	<1	0.6	97.4	94.2	9060 R. Williams/ RW
mg/L	Chlorides	<5	2.4	99.2	98.9	9252 J. Hurley/ JH
METALS						
mg/L	Arsenic	<0.002	3.1	104	103	7061 R. Williams/ RW
mg/L	Barium	<0.2	4.1	104	105	7080
mg/L	Cadmium	<0.01	0	100	99.2	7130
mg/L	Chromium	<0.05	1.8	110	107	7190
mg/L	Lead	<0.10	1.7	96.6	99.9	7420
mg/L	Mercury	<0.0003	3.5	90.1	82.9	7471
mg/L	Selenium	<0.002	3.9	91.6	107	7741
mg/L	Silver	<0.02	30.4	48.6	101	7760

\*EPA-800.40790929. Revised March, 1983.

All methods are from SW-846, November, 1986, except where noted.

Report Reviewed by:

*Norma J. James*

Norma J. James

521100

501 North University • Little Rock, AR 72205 • (501) 664-5661 • FAX (501) 664-5891



08/08/96

PHENOLS - All Values in ug/L (ppb)-----											mg/L PHENOXYHERBICIDES - All values in ug/L (ppb)-----					
RAINFALL (accumulated)	Phenol	2-Chloro Phenol	2,4-DCP	4-Chloro Phenol	2,6-DCP	2,4,6-TCP	2,4,5-TCP	2,3,6-TCP	Chlorides	2,6-D	2,4-D	2,4,6-T	SILVEX	2,4,5-T		
05/31/93	1.55"	WELL #93	6840	45.9	9.1	2990	<5.0	<5.0	<5.0	<5.0	130					
06/07/93	0.00"	WELL #93	4130	<5.0	5.1	1940	<5.0	<5.0	<5.0	<5.0	130					
06/14/93	1.15"	WELL #93	4080	54.7	7.7	2700	6.8	<5.0	19.7	<5.0	130					
06/21/93	0.25"	WELL #93	2720	25.6	5	1670	<5.0	<5.0	<5.0	<5.0	130					
06/29/93	1.00"	WELL #93	3000	29.2	5.1	1730	5.3	<5.0	<5.0	<5.0	122					
07/06/93	0.00"	WELL #93	5100	31.2	5.8	2760	5.7	<5.0	<5.0	<5.0	117					
08/03/93	1.30"	WELL #93	5220	62.2	9.0	2400	<5.0	<5.0	<5.0	<5.0	111					
09/07/93	2.15"	WELL #93	2700	55.2	7.8	1410	<5.0	<5.0	<5.0	<5.0	122					
10/05/93	2.23"	WELL #93	2760	32.3	8.7	1610	7.5	<5.0	<5.0	<5.0	136					
11/02/93	4.03"	WELL #93	3360	30.5	5.3	1590	<5.0	<5.0	<5.0	<5.0	110					
12/06/93	10.30"	WELL #93	4600	36.8	5.2	2080	<5.0	<5.0	<5.0	<5.0	112					
01/04/94	1.63"	WELL #93	3340	52	15	2000	12	<5.0	<5.0	<5.0	125	<5.0	<5.0	8	<2.0	<2.0
02/01/94	5.90"	WELL #93	2897	27.2	8.1	1779	<5.0	<5.0	<5.0	<5.0	138	<5.0	23	4.5	5.6	<2.0
03/07/94	4.25"	WELL #93	2019	19	21	1524	15	9	10	<5	104	22.1	27	4.1	5.3	<2.0
04/04/94	6.26"	WELL #93	1940	26	6	1270	5	8	<5.0	<5	113	11	<5	3	5	3
05/02/94	4.75"	WELL #93	3830	35	5	2570	6	<5.0	19	<5	113	<5	<5	4	5	<2
06/06/94	8.855"	WELL #93	65	<5	<5	84	<5.0	<5.0	<5.0	<5	201	<5	<5	3	5	<2
05/31/93	1.55"	WELL #94	6590	461	15.4	4750	27.5	<5.0	<5.0	<5.0	263					
06/07/93	0.00"	WELL #94	6210	814	9.1	3400	<5.0	<5.0	<5.0	<5.0	337					
06/14/93	1.15"	WELL #94	2840	182	5.8	2220	16.5	<5.0	<5.0	<5.0	283					
06/21/93	0.25"	WELL #94	2850	242	10.6	2300	19.5	<5.0	<5.0	<5.0	297					
06/29/93	1.00"	WELL #94	3320	260	10.5	2390	22.8	<5.0	<5.0	<5.0	294					
07/06/93	0.00"	WELL #94	5280	258	11.6	4220	28.1	<5.0	<5.0	<5.0	306					
08/03/93	1.30"	WELL #94	4030	662	14.8	3130	35	<5.0	<5.0	<5.0	267					
09/07/93	2.15"	WELL #94	2910	225	14.8	1750	34.2	<5.0	<5.0	<5.0	288					
10/05/93	2.23"	WELL #94	3130	256	25.7	2210	35	<5.0	<5.0	<5.0	278					
11/02/93	4.03"	WELL #94	4830	343	12.3	2890	33.4	<5.0	<5.0	<5.0	255					
12/06/93	10.30"	WELL #94	192	11.2	<5.0	144	<5.0	<5.0	<5.0	<5.0	222					
01/04/94	1.63"	WELL #94	170	<5.0	<5.0	172	<5.0	<5.0	<5.0	<5.0	236	<5.0	<5.0	4	<2.0	<2.0
02/01/94	5.90"	WELL #94	124	6.3	5.8	108	<5.0	<5.0	<5.0	<5.0	210	25	40	3.6	5.7	<2.0
03/07/94	4.25"	WELL #94	88	<5	80	<5	<5	<5	16	<5	212	<5.0	28.9	2.8	5.2	<2.0
04/04/94	6.26"	WELL #94	7	<5	<5	17	<5	7	<5	<5	205	31	<5	3	5	<2
05/02/94	4.75"	WELL #94	17	<5	<5	29	<5	<5	<5	<5	179	23	<5	3	3	<2
06/06/94	8.855"	WELL #94	1830	23	<5	1150	5	<5	<5	<5	117	26	8	5	7	<2

08/08/96

		PHENOLS - All Values in ug/L (ppb)-----								mg/L	PHENOXYHERBICIDES - All values in ug/L (ppb)-----					
RAINFALL (accumulated)		Phenol	2-Chloro Phenol	2,4-DCP	4-Chloro Phenol	2,6-DCP	2,4,6-TCP	2,4,5-TCP	2,3,6-TCP	Chlorides	2,6-D	2,4-D	2,4,6-T	SILVEX	2,4,5-T	
05/24/93	BACKGR.	WELL #91	3270	< 5.0	< 5.0	4640	< 5.0	< 5.0	< 5.0	< 5.0	173					
05/31/93	1.55"	WELL #91	2000	< 5.0	< 5.0	1340	< 5.0	< 5.0	< 5.0	< 5.0	198					
06/07/93	0.00"	WELL #91	2810	31.1	< 5.0	2510	< 5.0	< 5.0	< 5.0	< 5.0	198					
06/14/93	1.15"	WELL #91	1820	7.2	< 5.0	2040	< 5.0	< 5.0	< 5.0	< 5.0	188					
06/21/93	0.25"	WELL #91	1770	< 5.0	< 5.0	2250	< 5.0	< 5.0	< 5.0	< 5.0	196					
06/29/93	1.00"	WELL #91	1750	< 5.0	< 5.0	1790	< 5.0	< 5.0	< 5.0	< 5.0	206					
07/06/93	0.00"	WELL #91	2740	8.0	< 5.0	2990	< 5.0	< 5.0	< 5.0	< 5.0	189					
08/03/93	1.30"	WELL #91	2030	< 5.0	< 5.0	1900	< 5.0	< 5.0	< 5.0	< 5.0	202					
09/07/93	2.15"	WELL #91	1660	< 5.0	< 5.0	1550	< 5.0	< 5.0	< 5.0	< 5.0	196					
10/05/93	2.23"	WELL #91	1640	< 5.0	< 5.0	1670	< 5.0	< 5.0	< 5.0	< 5.0	195					
11/02/93	4.03"	WELL #91	2210	< 5.0	< 5.0	2410	< 5.0	< 5.0	< 5.0	< 5.0	186					
12/06/93	10.30"	WELL #91	1960	< 5.0	< 5.0	1980	< 5.0	< 5.0	< 5.0	< 5.0	195					
01/04/94	1.63"	WELL #91	2530	< 5.0	< 5.0	2500	< 5.0	< 5.0	< 5.0	< 5.0	231	68.8	15.4	13.6	169	4
02/01/94	5.90"	WELL #91	1358	< 5.0	< 5.0	1224	< 5.0	< 5.0	< 5.0	< 5.0	276	38	< 5.0	< 2.0	12.9	< 2.0
03/07/94	4.25"	WELL #91	100	< 5	< 5	112	< 5	< 5	< 5	< 5	272	7.1	5.6	< 2	2.3	< 2.0
04/04/94	6.26"	WELL #91	1480	< 5	< 5	1530	< 5	< 5	< 5	< 5	205	73	< 5	2	21	< 2.0
05/02/94	4.75"	WELL #91	550	7	6	540	< 5	< 5	< 5	< 5	232	16	< 5	< 2	4	< 2.0
06/06/94	8.855"	WELL #91	670	560	< 5	3000	< 5	< 5	< 5	< 5	196	78	< 5	< 2	26	< 2.0
07/23/93		WELL #92	6680	8340	4070	24400	2220	751	642	45	195					
08/23/93	2.15"	WELL #92 NOT REQUE	-----	-----	-----	-----	-----	-----	-----	-----	113000	75200	50600	900	6730	
09/07/93	0.00"	WELL #92	10000	14200	5240	27300	3430	709	515	44.1	NOT REQUE	75000	50200	30100	781	7670
10/05/93	2.23"	WELL #92	8130	8250	4480	20600	2440	532	483	21.1	248	NOT REQUESTED	-----	-----	-----	
12/06/93	14.33"	WELL #92 NOT REQUE	-----	-----	-----	-----	-----	-----	-----	-----	33000	43800	27900	910	4330	
01/04/94	1.63"	WELL #92	15400	14220	7860	46970	4630	1020	1020	68	258	62060	42900	20700	720	4100
02/01/94	5.90"	WELL #92	13444	13510	8111	54695	4056	1322	1246	87	219	78580	49871	22868	796	5336
03/07/94	4.25"	WELL #92	12300	10910	7470	43840	3760	1029	980	< 5	229	84200	50900	33800	874	4570
04/04/94	6.26"	WELL #92	10200	6320	3400	28800	920	480	820	< 50	224	64300	39700	27000	< 2000	4100
05/02/94	4.75"	WELL #92	14800	12700	8800	53200	3900	1570	1870	< 400	216	84000	46000	27700	750	5900
06/06/94	8.855"	WELL #92	15900	14900	7530	41270	3720	1480	1320	56	229	127000	55100	45200	1290	4450

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PHENOLS - All Values in ug/L (ppb)----- mg/L PHENOXYHERBICIDES - All values in ug/L (ppb)-----

	RAINFALL (accumulated)	Phenol	2-Chloro Phenol	2,4-DCP	4-Chloro Phenol	2,6-DCP	2,4,6-TCP	2,4,5-TCP	2,3,6-TCP	Chlorides	2,6-D	2,4-D	2,4,6-T	SILVEX	2,4,5-T
05/31/93	1.55"	WELL #93	6840	45.9	9.1	2990	<5.0	<5.0	<5.0	<5.0	130				
06/07/93	0.00"	WELL #93	4130	<5.0	5.1	1940	<5.0	<5.0	<5.0	<5.0	130				
06/14/93	1.15"	WELL #93	4080	54.7	7.7	2700	6.8	<5.0	19.7	<5.0	130				
06/21/93	0.25"	WELL #93	2720	25.6	5	1670	<5.0	<5.0	<5.0	<5.0	130				
06/29/93	1.00"	WELL #93	3000	29.2	5.1	1730	5.3	<5.0	<5.0	<5.0	122				
07/06/93	0.00"	WELL #93	5100	31.2	5.8	2760	5.7	<5.0	<5.0	<5.0	117				
08/03/93	1.30"	WELL #93	5220	62.2	9.0	2400	<5.0	<5.0	<5.0	<5.0	111				
09/07/93	2.15"	WELL #93	2700	55.2	7.8	1410	<5.0	<5.0	<5.0	<5.0	122				
10/05/93	2.23"	WELL #93	2760	32.3	8.7	1610	7.5	<5.0	<5.0	<5.0	136				
11/02/93	4.03"	WELL #93	3360	30.5	5.3	1590	<5.0	<5.0	<5.0	<5.0	110				
12/06/93	10.30"	WELL #93	4600	36.8	5.2	2080	<5.0	<5.0	<5.0	<5.0	112				
01/04/94	1.63"	WELL #93	3340	52	15	2000	12	<5.0	<5.0	<5.0	125	<5.0	<5.0	8	<2.0
02/01/94	5.90"	WELL #93	2897	27.2	8.1	1779	<5.0	<5.0	<5.0	<5.0	138	<5.0	23	4.5	5.6
03/07/94	4.25"	WELL #93	2019	19	21	1524	15	9	10	<5	104	22.1	27	4.1	5.3
04/04/94	6.26"	WELL #93	1940	26	6	1270	5	8	<5.0	<5	113	11	<5	3	5
05/02/94	4.75"	WELL #93	3830	35	5	2570	6	<5.0	19	<5	113	<5	<5	4	5
06/06/94	8.855"	WELL #93	65	<5	<5	84	<5.0	<5.0	<5.0	<5	201	<5	<5	3	5
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05/31/93	1.55"	WELL #94	6590	461	15.4	4750	27.5	<5.0	<5.0	<5.0	263				
06/07/93	0.00"	WELL #94	6210	814	9.1	3400	<5.0	<5.0	<5.0	<5.0	337				
06/14/93	1.15"	WELL #94	2840	182	5.8	2220	16.5	<5.0	<5.0	<5.0	283				
06/21/93	0.25"	WELL #94	2850	242	10.6	2300	19.5	<5.0	<5.0	<5.0	297				
06/29/93	1.00"	WELL #94	3320	260	10.5	2390	22.8	<5.0	<5.0	<5.0	294				
07/06/93	0.00"	WELL #94	5280	258	11.6	4220	28.1	<5.0	<5.0	<5.0	306				
08/03/93	1.30"	WELL #94	4030	662	14.8	3130	35	<5.0	<5.0	<5.0	267				
09/07/93	2.15"	WELL #94	2910	225	14.8	1750	34.2	<5.0	<5.0	<5.0	288				
10/05/93	2.23"	WELL #94	3130	256	25.7	2210	35	<5.0	<5.0	<5.0	278				
11/02/93	4.03"	WELL #94	4830	343	12.3	2890	33.4	<5.0	<5.0	<5.0	255				
12/06/93	10.30"	WELL #94	192	11.2	<5.0	144	<5.0	<5.0	<5.0	<5.0	222				
01/04/94	1.63"	WELL #94	170	<5.0	<5.0	172	<5.0	<5.0	<5.0	<5.0	236	<5.0	<5.0	4	<2.0
02/01/94	5.90"	WELL #94	124	6.3	5.8	108	<5.0	<5.0	<5.0	<5.0	210	25	40	3.6	5.7
03/07/94	4.25"	WELL #94	88	<5	80	<5	<5	<5	16	<5	212	<5.0	28.9	2.8	5.2
04/04/94	6.26"	WELL #94	7	<5	<5	17	<5	7	<5	<5	205	31	<5	3	5
05/02/94	4.75"	WELL #94	17	<5	<5	29	<5	<5	<5	<5	179	23	<5	3	3
06/06/94	8.855"	WELL #94	1830	23	<5	1150	5	<5	<5	<5	117	26	8	5	7

08/08/96

		PHENOLS - All Values in ug/L (ppb)-----								mg/L	PHENOXYHERBICIDES - All values in ug/L (ppb)-----					
RAINFALL (accumulated)		Phenol	2-Chloro Phenol	2,4-DCP	4-Chloro Phenol	2,6-DCP	2,4,6-TCP	2,4,5-TCP	2,3,6-TCP	Chlorides	2,6-D	2,4-D	2,4,6-T	SILVEX	2,4,5-T	
05/24/93	BACKGR.	WELL #91	3270	< 5.0	< 5.0	4640	< 5.0	< 5.0	< 5.0	173						
05/31/93	1.55"	WELL #91	2000	< 5.0	< 5.0	1340	< 5.0	< 5.0	< 5.0	198						
06/07/93	0.00"	WELL #91	2810	31.1	< 5.0	2510	< 5.0	< 5.0	< 5.0	198						
06/14/93	1.15"	WELL #91	1820	7.2	< 5.0	2040	< 5.0	< 5.0	< 5.0	188						
06/21/93	0.25"	WELL #91	1770	< 5.0	< 5.0	2250	< 5.0	< 5.0	< 5.0	196						
06/29/93	1.00"	WELL #91	1750	< 5.0	< 5.0	1790	< 5.0	< 5.0	< 5.0	206						
07/06/93	0.00"	WELL #91	2740	8.0	< 5.0	2990	< 5.0	< 5.0	< 5.0	189						
08/03/93	1.30"	WELL #91	2030	< 5.0	< 5.0	1900	< 5.0	< 5.0	< 5.0	202						
09/07/93	2.15"	WELL #91	1660	< 5.0	< 5.0	1550	< 5.0	< 5.0	< 5.0	196						
10/05/93	2.23"	WELL #91	1640	< 5.0	< 5.0	1670	< 5.0	< 5.0	< 5.0	195						
11/02/93	4.03"	WELL #91	2210	< 5.0	< 5.0	2410	< 5.0	< 5.0	< 5.0	186						
12/06/93	10.30"	WELL #91	1960	< 5.0	< 5.0	1980	< 5.0	< 5.0	< 5.0	195						
01/04/94	1.63"	WELL #91	2530	< 5.0	< 5.0	2500	< 5.0	< 5.0	< 5.0	231	68.8	15.4	13.6	169	4	
02/01/94	5.90"	WELL #91	1358	< 5.0	< 5.0	1224	< 5.0	< 5.0	< 5.0	276	38	< 5.0	< 2.0	12.9	< 2.0	
03/07/94	4.25"	WELL #91	100	< 5	< 5	112	< 5	< 5	< 5	272	7.1	5.6	< 2	2.3	< 2.0	
04/04/94	6.26"	WELL #91	1480	< 5	< 5	1530	< 5	< 5	< 5	205	73	< 5	2	21	< 2.0	
05/02/94	4.75"	WELL #91	550	7	6	540	< 5	< 5	< 5	232	16	< 5	< 2	4	< 2.0	
06/06/94	8.855"	WELL #91	670	560	< 5	3000	< 5	< 5	< 5	196	78	< 5	< 2	26	< 2.0	
07/23/93		W. #92	6680	8340	4070	24400	2220	751	642	45	195					
08/23/93	2.15"	WELL #92	NOT REQUE	-----	-----	-----	-----	-----	-----	-----	113000	75200	50600	900	6730	
09/07/93	0.00"	WELL #92	10000	14200	5240	27300	3430	709	515	44.1	NOT REQUE	75000	50200	30100	781	7670
10/05/93	2.23"	WELL #92	8130	8250	4480	20600	2440	532	483	21.1	248	NOT REQUESTED	-----	-----	-----	
12/06/93	14.33"	WELL #92	NOT REQUE	-----	-----	-----	-----	-----	-----	-----	33000	43800	27900	910	4330	
01/04/94	1.63"	WELL #92	15400	14220	7860	46970	4630	1020	1020	68	258	62060	42900	20700	720	4100
02/01/94	5.90"	WELL #92	13444	13510	8111	54695	4056	1322	1246	87	219	78580	49871	22868	796	5336
03/07/94	4.25"	WELL #92	12300	10910	7470	43840	3760	1029	980	< 5	229	84200	50900	33800	874	4570
04/04/94	6.26"	WELL #92	10200	6320	3400	28800	920	480	820	< 50	224	64300	39700	27000	< 2000	4100
05/02/94	4.75"	WELL #92	14800	12700	8800	53200	3900	1570	1870	< 400	216	84000	46000	27700	750	5900
06/06/94	8.855"	WELL #92	15900	14900	7530	41270	3720	1480	1320	56	229	127000	55100	45200	1290	4450