TABLE E-1
ANALYTICAL RESULTS FOR METALS, SURFACE WATER SAMPLES

Site	Date	Sample Number	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
POND 1	12/22/97	EPRI-9711-182	SW		7.58	7.50	27200	24500	0.14		16		0.01	U	0.76		0.1	U	0.13		0.74		137	
POND 1	02/19/98	EPRI-9802-171	SW	8.15	7.85	7.70	25600	22900	0.59		0.005	U	0.01	U	0.47		0.1	U,UJ4	0.09		0.91		116	
POND 1	05/19/98	EPRI-9805-171	SW	5.29	7.85	7.90	50100	49000	0.064		22		0.01	U	0.52		0.1	U	0.18		1.7		82	
POND 5	12/22/97	EPRI-9711-183	SW		7.11	7.20	975	1289	0.098		0.054		0.01	U	0.75		0.3		0.19		0.005		0.6	
POND 5	02/19/98	EPRI-9802-172	SW	7.33	7.99	7.50	1152	1160	0.14		15		0.01	U	0.34		0.22	J4	0.26		0.026		0.43	
POND 5	05/19/98	EPRI-9805-172	SW	8.12	9.17	8.90	1351	1338	0.081		0.021		0.01	U	0.2		0.1	U	0.092		0.009		0.22	
POND 6	12/22/97	EPRI-9711-184	SW		7.61	7.70	5330	5870	3.7		0.15		0.01	U	0.96		0.37		0.14		0.12		0.92	
POND 6	02/19/98	EPRI-9802-173	SW	5.9	8.10	7.80	3960	4430	1.8		0.04		0.01	U	1		0.76		0.25		0.08		1.8	
POND 6	05/19/98	EPRI-9805-173	SW	8.33	9.22	9.10	4650	4640	2.7		0.059		0.01	U	0.27		0.1	U	0.004		0.082		0.16	
SEP-1	08/15/97	EPRI-9708-163	SW	6.03	8.38	8.30	910	873	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005		0.02	U
SEP-1	11/10/97	EPRI-9711-163	SW	12.2	8.04	8.00	4660	4680	0.82		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.02	U
SEP-1	02/13/98	EPRI-9802-161	SW		7.38	7.90	4580	868	0.62		0.13		0.01	U	0.025	U	0.1	U	0.003	U	0.12		0.02	U
SEP-1	05/20/98	EPRI-9805-184	SW	6.79	8.75	8.20	1095	967	0.007		0.005		0.01	U	0.025	U	0.1	U	0.004	U	0.005	U	0.02	U
SEP-10	08/15/97	EPRI-9708-175	SW	6.22	8.40	8.40	835	818	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-10	08/15/97	EPRI-9708-179	SW	6.22	8.40	8.30	837	818	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-10	11/19/97	EPRI-9711-181	SW	7.32	8.38	8.50	1970	2180	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-10	02/13/98	EPRI-9802-167	SW		8.29	8.30	1474	230	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-10	05/19/98	EPRI-9805-167	SW	7.43	8.84	8.30	1066	1072	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-10	05/19/98	EPRI-9805-181	SW			8.40	1056		0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-11	08/15/97	EPRI-9708-176	SW	6.33	8.42	8.10	814	810	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-11	11/10/97	EPRI-9711-177	SW	6.97	8.30	8.30	1933	1741	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.021	
SEP-11	02/13/98	EPRI-9802-168	SW		8.32	8.40	1447	228	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	
SEP-11	05/19/98	EPRI-9805-168	SW	7.19	8.79	8.50	1071	1063	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-12	08/15/97	EPRI-9708-177	SW	6.34	8.47	8.30	850	834	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-12	11/10/97	EPRI-9711-176	SW	6.64	8.37	8.30	1970	1648	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-12	02/13/98	EPRI-9802-169	SW		8.39	8.40	1422	212	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-12	05/19/98	EPRI-9805-169	SW	6.87	8.82	8.40	1064	1125	0.005		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-13	08/15/97	EPRI-9708-178	SW	7	8.47	8.20	854	852	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-13	11/10/97	EPRI-9711-175	SW	6.1	8.42	8.30	1993	1613	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-13	02/13/98	EPRI-9802-170	SW		8.39	8.40	1394	207	0.005		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-13	05/19/98	EPRI-9805-170	SW	7.64	8.68	8.50	1051	1058	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-2	08/15/97	EPRI-9708-164	SW	6.25	8.40	8.20	842	830	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-2	11/10/97	EPRI-9711-164	SW	6.48	8.39	8.30	1950	1643	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-2	02/13/98	EPRI-9802-162	SW		8.38	8.40	1440	218	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-2	05/19/98	EPRI-9805-162	SW	7.15	8.83	8.50	1068	1071	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U

See last page of APPENDIX E for notes.

TABLE E-1
ANALYTICAL RESULTS FOR METALS, SURFACE WATER SAMPLES

Site	Date	Sample Number	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
SEP-3	08/18/97	EPRI-9708-165	SW	5.33	8.25	8.40	959	946	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.022	
SEP-3	11/19/97	EPRI-9711-165	SW	12.4	7.80	7.60	5250	6200	0.81		0.008		0.01	U	0.025	U	0.1	U	0.003	U	0.2		0.02	U
SEP-3	02/13/98	EPRI-9802-163	SW		7.84	8.10	5410	1054	0.53		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.11		0.022	
SEP-3	05/20/98	EPRI-9805-185	SW	6.65	8.76	8.20	1092	967	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.004	U	0.005	U	0.02	
SEP-4	08/15/97	EPRI-9708-166	SW	6.37	8.54	8.40	858	855	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-4	11/10/97	EPRI-9711-166	SW	6.75	8.39	7.90	1952	1595	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-4	02/13/98	EPRI-9802-164	SW		8.41	8.40	1388	197.7	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-4	05/19/98	EPRI-9805-164	SW	7.37	8.86	8.40	1054	1060	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-6	08/18/97	EPRI-9708-168	SW	5.33	8.28	8.40	961	943	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-7	08/18/97	EPRI-9708-169	SW	4.97	8.35	8.40	896	896	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	
SEP-7	11/10/97	EPRI-9711-169	SW	6.96	8.16	8.30	1924	1796	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-7	02/13/98	EPRI-9802-165	SW		8.49	8.50	1479	249	0.015		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-7	05/20/98	EPRI-9805-183	SW	6.3	8.79	8.20	1083	963	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.004	U	0.005	U	0.02	U
SEP-8	08/18/97	EPRI-9708-170	SW	5.26	7.49	8.30	958	969	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
SEP-9	08/15/97	EPRI-9708-171	SW	6.14	8.23	8.30	1133	1108	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.023	
SEP-9	11/10/97	EPRI-9711-171	SW	6.6	8.14	8.30	1886	1771	0.011		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.025	
SEP-9	02/13/98	EPRI-9802-166	SW		8.18	8.20	1550	278	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.035	
SEP-9	05/19/98	EPRI-9805-166	SW	7.38	8.49	8.50	1273	1082	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.035	

TABLE E-2
ANALYTICAL RESULTS FOR NUTRIENTS, SURFACE WATER SAMPLES

Site	Date	Samp #	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
POND 1	12/22/97	EPRI-9711-182	SW		7.58	7.50	27200	24500	20	
POND 1	02/19/98	EPRI-9802-171	SW	8.15	7.85	7.70	25600	22900	23	
POND 1	05/19/98	EPRI-9805-171	SW	5.29	7.85	7.90	50100	49000	34	
POND 5	12/22/97	EPRI-9711-183	SW		7.11	7.20	975	1289	0.05	U
POND 5	02/19/98	EPRI-9802-172	SW	7.33	7.99	7.50	1152	1160	1.2	
POND 5	05/19/98	EPRI-9805-172	SW	8.12	9.17	8.90	1351	1338	0.05	
POND 6	12/22/97	EPRI-9711-184	SW		7.61	7.70	5330	5870	0.56	
POND 6	02/19/98	EPRI-9802-173	SW	5.9	8.10	7.80	3960	4430	1.2	
POND 6	05/19/98	EPRI-9805-173	SW	8.33	9.22	9.10	4650	4640	0.05	
SEP-1	08/15/97	EPRI-9708-163	SW	6.03	8.38	8.30	910	873	0.5	
SEP-1	11/10/97	EPRI-9711-163	SW	12.2	8.04	8.00	4660	4680	4.1	
SEP-1	02/13/98	EPRI-9802-161	SW		7.38	7.90	4580	868	3.8	
SEP-1	05/20/98	EPRI-9805-184	SW	6.79	8.75	8.20	1095	967	0.34	
SEP-10	08/15/97	EPRI-9708-175	SW	6.22	8.40	8.40	835	818	0.36	
SEP-10	08/15/97	EPRI-9708-179	SW	6.22	8.40	8.30	837	818	0.37	
SEP-10	11/19/97	EPRI-9711-181	SW	7.32	8.38	8.50	1970	2180	3	
SEP-10	02/13/98	EPRI-9802-167	SW		8.29	8.30	1474	230	3	
SEP-10	05/19/98	EPRI-9805-167	SW	7.43	8.84	8.30	1066	1072	0.21	
SEP-10	05/19/98	EPRI-9805-181	SW			8.40	1066		0.21	
SEP-11	08/15/97	EPRI-9708-176	SW	6.33	8.42	8.10	814	810	0.36	
SEP-11	11/10/97	EPRI-9711-177	SW	6.97	8.30	8.30	1933	1741	2.2	
SEP-11	02/13/98	EPRI-9802-168	SW		8.32	8.40	1447	228	2.5	
SEP-11	05/19/98	EPRI-9805-168	SW	7.19	8.79	8.50	1071	1063	0.21	
SEP-12	08/15/97	EPRI-9708-177	SW	6.34	8.47	8.30	850	834	0.38	
SEP-12	11/10/97	EPRI-9711-176	SW	6.64	8.37	8.30	1970	1648	2.2	
SEP-12	02/13/98	EPRI-9802-169	SW		8.39	8.40	1422	212	1.8	
SEP-12	05/19/98	EPRI-9805-169	SW	6.87	8.82	8.40	1064	1125	0.22	
SEP-13	08/15/97	EPRI-9708-178	SW	7	8.47	8.20	854	852	0.38	
SEP-13	11/10/97	EPRI-9711-175	SW	6.1	8.42	8.30	1993	1613	2.1	
SEP-13	02/13/98	EPRI-9802-170	SW		8.39	8.40	1394	207	1.5	
SEP-13	05/19/98	EPRI-9805-170	SW	7.64	8.68	8.50	1051	1058	0.24	
SEP-2	08/15/97	EPRI-9708-164	SW	6.25	8.40	8.30	842	830	0.35	
SEP-2	11/10/97	EPRI-9711-164	SW	6.48	8.39	8.30	1950	1643	2.3	
SEP-2	02/13/98	EPRI-9802-162	SW		8.38	8.40	1440	218	1.8	
SEP-2	05/19/98	EPRI-9805-162	SW	7.15	8.83	8.50	1068	1071	0.22	
SEP-3	08/18/97	EPRI-9708-165	SW	5.33	8.25	8.40	959	946	0.63	
SEP-3	11/19/97	EPRI-9711-165	SW	12.4	7.80	7.60	5250	6200	12	
SEP-3	02/13/98	EPRI-9802-163	SW		7.84	8.10	5410	1054	8.6	
SEP-3	05/20/98	EPRI-9805-185	SW	6.65	8.76	8.20	1092	967	0.33	

See last page of APPENDIX E for notes.

TABLE E-2
ANALYTICAL RESULTS FOR NUTRIENTS, SURFACE WATER SAMPLES

Site	Date	Samp #	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N
SEP-4	08/15/97	EPRI-9708-166	SW	6.37	8.54	8.40	858	855	0.39
SEP-4	11/10/97	EPRI-9711-166	SW	6.75	8.39	7.90	1952	1595	1.7
SEP-4	02/13/98	EPRI-9802-164	SW		8.41	8.40	1388	197.7	1.3
SEP-4	05/19/98	EPRI-9805-164	SW	7.37	8.86	8.40	1054	1060	0.23
SEP-6	08/18/97	EPRI-9708-168	SW	5.33	8.28	8.40	961	943	0.76
SEP-7	08/18/97	EPRI-9708-169	SW	4.97	8.35	8.40	896	896	0.37
SEP-7	11/10/97	EPRI-9711-169	SW	6.96	8.16	8.30	1924	1796	2.7
SEP-7	02/13/98	EPRI-9802-165	SW		8.49	8.50	1479	249	3
SEP-7	05/20/98	EPRI-9805-183	SW	6.3	8.79	8.20	1083	963	0.21
SEP-8	08/18/97	EPRI-9708-170	SW	5.26	7.49	8.30	958	969	0.62
SEP-9	08/15/97	EPRI-9708-171	SW	6.14	8.23	8.30	1133	1108	2.3
SEP-9	11/10/97	EPRI-9711-171	SW	6.6	8.14	8.30	1886	1771	3.7
SEP-9	02/13/98	EPRI-9802-166	SW		8.18	8.20	1550	278	6.5
SEP-9	05/19/98	EPRI-9805-166	SW	7.38	8.49	8.50	1273	1082	2.4

TABLE E-3
ANALYTICAL RESULTS FOR COMMON IONS, SURFACE WATER SAMPLES

Site	Date	Sample Number	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Flouride
POND 1	12/22/97	EPRI-9711-182	SW		7.58	7.50	27200	24500	25974	6.9	439	144	7724	373		176	1	U	16043	1002	23
POND 1	02/19/98	EPRI-9802-171	SW	8.15	7.85	7.70	25600	22900	24898	8.8	411	135	7562	329	154		1	U	14493	1134	21
POND 1	05/19/98	EPRI-9805-171	SW	5.29	7.85	7.90	50100	49000	53664	21	526	274	16140	715		256	1	U,UJ4	36326	2853	30
POND 5	12/22/97	EPRI-9711-183	SW		7.11	7.20	975	1289	644	2.8	35	5.2	154	7.3		61	1	U	193	137	1
POND 5	02/19/98	EPRI-9802-172	SW	7.33	7.99	7.50	1152	1160	775	1.8	41	6.9	195	6.3	92		1	U	237	144	0.91
POND 5	05/19/98	EPRI-9805-172	SW	8.12	9.17	8.90	1351	1338	846	6	78	18	176	13		116	25	J4	318	176	0.94
POND 6	12/22/97	EPRI-9711-184	SW		7.61	7.70	5330	5870	3912	27	175	24	1139	30		98	1	U	1874	497	11
POND 6	02/19/98	EPRI-9802-173	SW	5.9	8.10	7.80	3960	4430	2914	23	103	11	938	17	73		1	U	1363	402	5.1
POND 6	05/19/98	EPRI-9805-173	SW	8.33	9.22	9.10	4650	4640	3389	41	213	47	925	29		150	24	J4	1634	512	8.2
SEP-1	08/15/97	EPRI-9708-163	SW	6.03	8.38	8.30	910	873	635	275	62	15	114	8.4	180	220	1	U	156	81	0.65
SEP-1	11/10/97	EPRI-9711-163	SW	12.2	8.04	8.00	4660	4680	3424	13	196	77	793	60		381	1	U	1616	438	2.3
SEP-1	02/13/98	EPRI-9802-161	SW		7.38	7.90	4580	868	3300	20	203	76	748	67	388		1	U	1676	481	2.1
SEP-1	05/20/98	EPRI-9805-184	SW	6.79	8.75	8.20	1095	967	668	99	71	17	129	6.9		218	1	U	226	107	0.68
SEP-10	08/15/97	EPRI-9708-175	SW	6.22	8.40	8.40	835	818	576	286	60	14	100	8.2	170	203	2		145	69	0.64
SEP-10	08/15/97	EPRI-9708-179	SW	6.22	8.40	8.30	837	818	543	339	60	14	100	8.3	174	212	1	U	131	67	0.64
SEP-10	11/19/97	EPRI-9711-181	SW	7.32	8.38	8.50	1970	2180	1337	16	103	25	278	13		278	12		436	255	0.82
SEP-10	02/13/98	EPRI-9802-167	SW		8.29	8.30	1474	230	960	80	82	17	228	7.4	229		1	U	264	175	0.68
SEP-10	05/19/98	EPRI-9805-167	SW	7.43	8.84	8.30	1066	1072	650	102	74	17	130	8		201	1	U,UJ4	229	112	0.68
SEP-10	05/19/98	EPRI-9805-181	SW			8.40	1066		684	105	72	17	126	8.4		188	7	J4	229	109	0.68
SEP-11	08/15/97	EPRI-9708-176	SW	6.33	8.42	8.10	814	810	526	432	60	14	101	8.3	162	198	1	U	140	73	0.57
SEP-11	11/10/97	EPRI-9711-177	SW	6.97	8.30	8.30	1933	1741	1258	23	104	25	272	9.2		282	1	U	415	246	0.74
SEP-11	02/13/98	EPRI-9802-168	SW		8.32	8.40	1447	228	949	91	85	18	225	8.2	224		7		259	178	0.71
SEP-11	05/19/98	EPRI-9805-168	SW	7.19	8.79	8.50	1071	1063	660	104	72	17	126	9.4		178	17	J4	229	110	0.66
SEP-12	08/15/97	EPRI-9708-177	SW	6.34	8.47	8.30	850	834	590	224	61	14	101	8.2	176	215	1	U	134	68	0.64
SEP-12	11/10/97	EPRI-9711-176	SW	6.64	8.37	8.30	1970	1648	1323	31	105	26	272	11		285	1	U	427	254	0.75
SEP-12	02/13/98	EPRI-9802-169	SW		8.39	8.40	1422	212	911	97	85	18	211	7.5	223		10		253	176	0.68
SEP-12	05/19/98	EPRI-9805-169	SW	6.87	8.82	8.40	1064	1125	646	99	71	17	127	14		185	10	J4	216	105	0.66
SEP-13	08/15/97	EPRI-9708-178	SW	7	8.47	8.20	854	852	554	305	61	14	102	8.3	180	220	1	U	141	76	0.65
SEP-13	11/10/97	EPRI-9711-175	SW	6.1	8.42	8.30	1993	1613	1304	38	107	27	286	9.7		287	1	U	422	249	0.77
SEP-13	02/13/98	EPRI-9802-170	SW		8.39	8.40	1394	207	911	95	88	19	209	8	234		7		246	166	0.7
SEP-13	05/19/98	EPRI-9805-170	SW	7.64	8.68	8.50	1051	1058	621	79	71	17	129	8.8		198	10	J4	221	109	0.65
SEP-2	08/15/97	EPRI-9708-164	SW	6.25	8.40	8.30	842	830	585	180	61	14	102	8.2	172	210	1	U	131	75	0.64
SEP-2	11/10/97	EPRI-9711-164	SW	6.48	8.39	8.30	1950	1643	1289	25	104	25	277	7.7		271	1	U	415	248	0.75
SEP-2	02/13/98	EPRI-9802-162	SW		8.38	8.40	1440	218	961	95	84	18	217	7.5	231		7		256	171	0.69
SEP-2	05/19/98	EPRI-9805-162	SW	7.15	8.83	8.50	1068	1071	667	92	72	17	128	8.4		192	9	J4	233	108	0.66
SEP-3	08/18/97	EPRI-9708-165	SW	5.33	8.25	8.40	959	946	633	229	66	15	124	8.2	172	205	2		182	82	0.66
SEP-3	11/19/97	EPRI-9711-165	SW	12.4	7.80	7.60	5250	6200	3954	14	225	94	943	53		239	1	U	1839	597	2.1
SEP-3	02/13/98	EPRI-9802-163	SW		7.84	8.10	5410	1054	3979	21	216	89	965	54	342		1	U	1832	679	1.8
SEP-3	05/20/98	EPRI-9805-185	SW	6.65	8.76	8.20	1092	967	661	98	70	17	126	8.1		218	1	U	226	107	0.68

See last page of APPENDIX E for notes.

TABLE E-3
ANALYTICAL RESULTS FOR COMMON IONS, SURFACE WATER SAMPLES

Site	Date	Sample Number	Type	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Flouride
SEP-4	08/15/97	EPRI-9708-166	SW	6.37	8.54	8.40	858	855	571	321	62	14	104	8.1	178	212	2		149	74	0.66
SEP-4	11/10/97	EPRI-9711-166	SW	6.75	8.39	7.90	1952	1595	1289	31	107	26	275	8		299	1	U	424	249	0.77
SEP-4	02/13/98	EPRI-9802-164	SW		8.41	8.40	1588	197.7	878	106	86	19	203	8	235		7		246	160	0.73
SEP-4	05/19/98	EPRI-9805-164	SW	7.37	8.86	8.40	1054	1060	640	82	72	17	120	8.7		192	8	J4	217	110	0.66
SEP-6	08/18/97	EPRI-9708-168	SW	5.33	8.28	8.40	961	943	643	178	65	15	121	8.3	174	207	2		176	85	0.66
SEP-7	08/18/97	EPRI-9708-169	SW	4.97	8.35	8.40	896	896	594	257	66	15	115	8	176	210	2		157	75	0.66
SEP-7	11/10/97	EPRI-9711-169	SW	6.96	8.16	8.30	1924	1796	1290	38	100	24	272	12		275	1	U	412	249	0.75
SEP-7	02/13/98	EPRI-9802-165	SW		8.49	8.50	1479	249	959	47	83	18	232	7.9	204		11		285	178	0.71
SEP-7	05/20/98	EPRI-9805-183	SW	6.3	8.79	8.20	1083	963	649	102	70	17	124	7		224	1	U	224	103	0.66
SEP-8	08/18/97	EPRI-9708-170	SW	5.26	7.49	8.30	958	969	677	11	65	15	121	8.2	178	217	1	U	190	85	0.67
SEP-9	08/15/97	EPRI-9708-171	SW	6.14	8.23	8.30	1133	1108	730	223	64	15	155	9.5	174	212	1	U	203	116	0.68
SEP-9	11/10/97	EPRI-9711-171	SW	6.6	8.14	8.30	1886	1771	1225	16	99	23	285	10		254	1	U	401	248	0.77
SEP-9	02/13/98	EPRI-9802-166	SW		8.18	8.20	1550	278	1030	44	71	15	272	8.9	200		1	U	286	206	0.7
SEP-9	05/19/98	EPRI-9805-166	SW	7.38	8.49	8.50	1273	1082	797	80	71	16	173	8.7		195	8	J4	262	150	0.7

APPENDIX E

SUMMARY OF SURFACE WATER QUALITY DATA

Notes:

SW	=	Surface Water
U	=	not detected above detection limit indicated
J4	=	Data qualifiers outside of control limits
fld	=	field
O	=	oxygen
DIS	=	dissolved
TDS	=	Total Dissolved Solids at 180°C
TSS	=	Total Suspended Solids
Ca	=	Calcium
Mg	=	Magnesium
Na	=	Sodium
NO_3	=	Nitrate
NO_2	=	Nitrite
N	=	Nitrogen
K	=	Potassium
HCO_3	=	Bicarbonate
CO_3	=	Carbonate
SO_4	=	Sulfate
Cl	=	Chloride
Alkalinity	=	Alkalinity as $CaCO_3$
As	=	Arsenic
Cd	=	Cadmium
Cr	=	Chromium
Cu	=	Copper
Fe	=	Iron
Se	=	Selenium
Zn	=	Zinc

All results are presented in milligrams per liter (mg/l) except for specific conductivity (microhmos per centimeter).

APPENDIX F

SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA

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SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA

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SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA

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TABLE F-1 SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA AUGUST 1997 THROUGH MAY 1998

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-4	Top of Casing Elevation (feet above MSL)			3715.96
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	5.28	6.32	5.00	5.75
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3710.68	3709.64	3710.96	3710.21

Monitor Well Designation: EP-5	Top of Casing Elevation (feet above MSL)			3716.17
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	5.78	5.82	5.51	6.31
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3710.39	3710.35	3710.66	3709.86

Monitor Well Designation: EP-6	Top of Casing Elevation (feet above MSL)			3716.22
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	6.70	7.80	7.61	7.48
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3709.52	3708.42	3708.61	3708.74

Monitor Well Designation: EP-7	Top of Casing Elevation (feet above MSL)			3722.10
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	6.02	7.65	8.00	6.94
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3716.08	3714.45	3714.10	3715.16

Monitor Well Designation: EP-12	Top of Casing Elevation (feet above MSL)			3773.23
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	60.00	62.43	63.07	62.00
Depth to Product (feet)	59.98	62.41	0.00	Sheen
Product Thickness (feet)	0.02	0.02	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3713.25	3710.82	3710.16	3711.23

Monitor Well Designation: EP-13	Top of Casing Elevation (feet above MSL)			3776.22
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	59.64	60.08	60.03	59.25
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3716.58	3716.14	3716.19	3716.97

See last page for notes.

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-14	Top of Casing Elevation (feet above MSL)			3774.98
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	Not Sampled	59.80	60.03	58.58
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**0.00**	**3715.18**	**3714.95**	**3716.40**

Monitor Well Designation: EP-15	Top of Casing Elevation (feet above MSL)			3773.19
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	58.64	58.55	58.61	58.22
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3714.55**	**3714.64**	**3714.58**	**3714.97**

Monitor Well Designation: EP-20	Top of Casing Elevation (feet above MSL)			3724.55
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	13.67	17.06	16.98	14.39
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3710.88**	**3707.49**	**3707.57**	**3710.16**

Monitor Well Designation: EP-21	Top of Casing Elevation (feet above MSL)			3780.74
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	33.67	28.35	26.30	27.80
Depth to Product (feet)	32.96	27.15	26.10	27.73
Product Thickness (feet)	0.71	1.20	0.20	0.07
Adjusted Groundwater Elevation (ft above MSL)	**3747.64**	**3753.35**	**3754.60**	**3753.00**

Monitor Well Designation: EP-22	Top of Casing Elevation (feet above MSL)			3776.23
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	37.35	35.80	35.10	36.04
Depth to Product (feet)	0.00	35.75	Heavy Sheen	0.00
Product Thickness (feet)	0.00	0.05	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3738.88**	**3740.47**	**3741.13**	**3740.19**

Monitor Well Designation: EP-23	Top of Casing Elevation (feet above MSL)			3775.32
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	29.67	25.10	23.73	24.37
Depth to Product (feet)	0.00	0.00	Sheen	0.00
Product Thickness (feet)	0.00	Sheen	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3745.65**	**3750.22**	**3751.59**	**3750.95**

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-24	Top of Casing Elevation (feet above MSL)			3774.87
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	32.55	26.64	21.70	34.56
Depth to Product (feet)	0.00	26.43	21.30	34.09
Product Thickness (feet)	0.00	0.21	0.40	0.47
Adjusted Groundwater Elevation (ft above MSL)	3742.32	3748.40	3753.49	3740.31

Monitor Well Designation: EP-25	Top of Casing Elevation (feet above MSL)			3786.72
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	47.16	46.19	46.51	47.88
Depth to Product (feet)	0.00	45.00	44.88	45.80
Product Thickness (feet)	0.00	1.19	1.63	2.08
Adjusted Groundwater Elevation (ft above MSL)	3739.56	3741.48	3741.51	3738.84

Monitor Well Designation: EP-26	Top of Casing Elevation (feet above MSL)			3770.64
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	48.80	56.70	50.44	48.86
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3721.84	3713.94	3720.20	3721.78

Monitor Well Designation: EP-29	Top of Casing Elevation (feet above MSL)			3727.25
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	13.35	16.92	16.95	13.80
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3713.90	3710.33	3710.30	3713.45

Monitor Well Designation: EP-35	Top of Casing Elevation (feet above MSL)			3725.74
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	13.43	17.28	17.48	14.48
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3712.31	3708.46	3708.26	3711.26

Monitor Well Designation: EP-43	Top of Casing Elevation (feet above MSL)			3772.17
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	57.48	59.63	60.84	60.75
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	Sheen	Sheen	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3714.69	3712.54	3711.33	3711.42

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-49	Top of Casing Elevation (feet above MSL)			3785.59
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	61.80	64.09	65.35	63.53
Depth to Product (feet)	61.62	62.02	62.50	62.25
Product Thickness (feet)	0.18	2.07	2.85	1.28
Adjusted Groundwater Elevation (ft above MSL)	3723.79	3723.16	3722.52	3722.06

Monitor Well Designation: EP-51	Top of Casing Elevation (feet above MSL)			3774.66
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	48.82	48.80	48.56	48.73
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	2.07	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3725.84	3725.86	3726.10	3725.93

Monitor Well Designation: EP-52	Top of Casing Elevation (feet above MSL)			3784.07
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	Blocked	45.92	45.88	Not Sampled
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	0.00	3738.15	3741.50	0.00

Monitor Well Designation: EP-53	Top of Casing Elevation (feet above MSL)			3805.64
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	Jun-98
Depth to Water (feet)	67.60	66.48	66.14	67.15
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3738.04	3739.16	3739.50	3738.49

Monitor Well Designation: EP-54	Top of Casing Elevation (feet above MSL)			3787.37
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	68.58	69.05	69.90	69.25
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3718.79	3718.32	3717.47	3718.12

Monitor Well Designation: EP-55	Top of Casing Elevation (feet above MSL)			3788.23
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	54.35	54.19	53.96	54.35
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	Sheen	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3733.88	3734.04	3734.27	3733.88

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-56	Top of Casing Elevation (feet above MSL)			3772.09
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	49.23	48.51	49.06	48.92
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3722.86	3723.58	3723.03	3723.17

Monitor Well Designation: EP-57	Top of Casing Elevation (feet above MSL)			3723.66
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	8.53	9.64	9.85	9.17
Depth to Product (feet)	0.00	9.03	9.33	8.85
Product Thickness (feet)	0.00	0.61	0.52	0.32
Adjusted Groundwater Elevation (ft above MSL)	3715.13	3714.51	3714.23	3714.75

Monitor Well Designation: EP-58	Top of Casing Elevation (feet above MSL)			3726.67
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	12.90	15.10	15.76	13.98
Depth to Product (feet)	0.00	11.40	11.75	11.42
Product Thickness (feet)	0.00	3.70	4.01	2.56
Adjusted Groundwater Elevation (ft above MSL)	3713.77	3714.53	3714.12	3714.74

Monitor Well Designation: EP-59	Top of Casing Elevation (feet above MSL)			3728.37
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	12.90	13.20	13.66	13.20
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3715.47	3715.17	3714.71	3715.17

Monitor Well Designation: EP-60	Top of Casing Elevation (feet above MSL)			3722.52
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	9.00	10.02	10.17	9.22
Depth to Product (feet)	0.00	0.00	0.00	62.25
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3713.52	3712.50	3712.35	3713.30

Monitor Well Designation: EP-61	Top of Casing Elevation (feet above MSL)			3722.95
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	9.58	12.63	11.84	10.73
Depth to Product (feet)	0.00	11.60	10.64	9.90
Product Thickness (feet)	0.00	1.03	1.20	0.83
Adjusted Groundwater Elevation (ft above MSL)	3713.37	3711.14	3712.07	3712.88

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-62	Top of Casing Elevation (feet above MSL)			3720.64
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	7.32	9.55	9.64	7.62
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3713.32	3711.09	3711.00	3713.02

Monitor Well Designation: EP-63	Top of Casing Elevation (feet above MSL)			3719.52
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	6.62	9.30	9.42	6.95
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3712.90	3710.22	3710.10	3712.57

Monitor Well Designation: EP-64	Top of Casing Elevation (feet above MSL)			3724.00
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	10.18	12.05	12.27	10.45
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3713.82	3711.95	3711.73	3713.55

Monitor Well Designation: EP-65	Top of Casing Elevation (feet above MSL)			3721.39
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	8.25	10.94	10.73	8.52
Depth to Product (feet)	0.00	10.68	9.41	8.51
Product Thickness (feet)	0.00	0.26	1.32	0.01
Adjusted Groundwater Elevation (ft above MSL)	3713.14	3710.66	3711.72	3712.88

Monitor Well Designation: EP-66	Top of Casing Elevation (feet above MSL)			3722.88
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	10.02	11.85	11.21	10.37
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3712.86	3711.03	3711.67	3712.51

Monitor Well Designation: EP-67	Top of Casing Elevation (feet above MSL)			3761.07
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	41.62	41.62	43.95	41.72
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3719.45	3719.45	3717.12	3719.35

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-68	Top of Casing Elevation (feet above MSL)			3783.76
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	63.10	62.85	63.20	63.10
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3720.66	3720.91	3720.56	3720.66

Monitor Well Designation: EP-70	Top of Casing Elevation (feet above MSL)			3777.67
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	61.65	62.12	62.30	61.95
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3716.02	3715.55	3715.37	3715.72

Monitor Well Designation: EP-71	Top of Casing Elevation (feet above MSL)			3765.19
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	49.90	50.38	50.63	50.22
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3715.29	3714.81	3714.56	3714.97

Monitor Well Designation: EP-72	Top of Casing Elevation (feet above MSL)			3778.50
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	61.40	61.72	61.85	61.70
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3717.10	3716.78	3716.65	3716.80

Monitor Well Designation: EP-73	Top of Casing Elevation (feet above MSL)			3789.45
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	70.75	70.20	71.25	71.10
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3718.70	3719.25	3718.20	3718.35

Monitor Well Designation: EP-74	Top of Casing Elevation (feet above MSL)			3775.89
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	52.33	54.64	Abandoned	Abandoned
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3723.56	3721.25	0.00	0.00

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-75	Top of Casing Elevation (feet above MSL)			3800.85
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	57.10	55.38	55.45	56.22
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3743.75	3745.47	3745.40	3744.63

Monitor Well Designation: EP-76	Top of Casing Elevation (feet above MSL)			3798.56
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	51.35	49.97	49.22	50.20
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3747.21	3748.59	3749.34	3748.36

Monitor Well Designation: EP-77	Top of Casing Elevation (feet above MSL)			3776.88
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	41.90	57.70	40.70	41.10
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3734.98	3719.18	3736.18	3735.78

Monitor Well Designation: EP-78	Top of Casing Elevation (feet above MSL)			3773.46
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	31.26	31.10	31.13	33.05
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3742.20	3742.36	3742.33	3740.41

Monitor Well Designation: EP-79	Top of Casing Elevation (feet above MSL)			3793.94
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	46.00	45.20	45.09	47.01
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3747.94	3748.74	3748.85	3746.93

Monitor Well Designation: EP-80	Top of Casing Elevation (feet above MSL)			3726.59
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	10.68	11.83	11.98	11.13
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3715.91	3714.76	3714.61	3715.46

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-81	Top of Casing Elevation (feet above MSL)			3734.09
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	17.95	18.42	18.81	18.42
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3716.14	3715.67	3715.28	3715.67

Monitor Well Designation: EP-82	Top of Casing Elevation (feet above MSL)			3773.65
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	17.42	16.13	15.50	16.92
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3756.23	3757.52	3758.15	3756.73

Monitor Well Designation: EP-83	Top of Casing Elevation (feet above MSL)			3803.73
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	28.00	27.52	27.14	27.91
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3775.73	3776.21	3776.59	3775.82

Monitor Well Designation: EP-84	Top of Casing Elevation (feet above MSL)			3797.52
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	7.15	7.58	7.48	8.38
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3790.37	3789.94	3790.04	3789.14

Monitor Well Designation: EP-85	Top of Casing Elevation (feet above MSL)			3741.91
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	15.40	13.60	19.25	15.49
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3726.51	3728.31	3722.66	3726.42

Monitor Well Designation: EP-86	Top of Casing Elevation (feet above MSL)			3819.99
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	49.30	49.27	48.74	48.83
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3770.69	3770.72	3771.25	3771.16

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EP-87	Top of Casing Elevation (feet above MSL)			3818.17
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	DRY	11.47	DRY	DRY
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**0.00**	**3806.70**	**0.00**	**0.00**

Monitor Well Designation: EP-88	Top of Casing Elevation (feet above MSL)			3776.54
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	29.32	28.12	27.73	28.53
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3747.22**	**3748.42**	**3748.81**	**3748.01**

Monitor Well Designation: EP-89	Top of Casing Elevation (feet above MSL)			3734.73
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	15.10	15.26	15.12	15.01
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3719.63**	**3719.47**	**3719.61**	**3719.72**

Monitor Well Designation: EP-90	Top of Casing Elevation (feet above MSL)			3784.99
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	Not Installed	Not Installed	53.90	53.59
Depth to Product (feet)			0.00	0.00
Product Thickness (feet)			0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)			**3723.93**	**3724.24**

Monitor Well Designation: EM-1	Top of Casing Elevation (feet above MSL)			3784.99
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	77.85	77.95	74.76	71.98
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3707.14**	**3707.04**	**3710.23**	**3713.01**

Monitor Well Designation: EM-2	Top of Casing Elevation (feet above MSL)			3776.02
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	63.80	65.88	65.72	63.77
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	**3712.22**	**3710.14**	**3710.30**	**3712.25**

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: EM-3	Top of Casing Elevation (feet above MSL)			3777.85
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	DRY	DRY	DRY	Abandoned
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3735.09	0.00	0.00	0.00

Monitor Well Designation: EM-4	Top of Casing Elevation (feet above MSL)			3774.29
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	61.38	63.25	63.51	61.80
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3712.91	3711.04	3710.78	3712.49

Monitor Well Designation: EM-5	Top of Casing Elevation (feet above MSL)			3776.50
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	14.48	14.62	14.45	14.36
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3762.02	3761.88	3762.05	3762.14

Monitor Well Designation: EM-6	Top of Casing Elevation (feet above MSL)			3770.64
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	35.55	34.90	34.78	35.28
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	3735.09	3735.74	3735.86	3735.36

Monitor Well Designation: EM-7	Top of Casing Elevation (feet above MSL)			3773.41
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	Blocked by Vehicle	8.56	8.63	8.50
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	0.00	3764.85	3764.78	3764.91

Monitor Well Designation: EM-8	Top of Casing Elevation (feet above MSL)			3769.46
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Depth to Water (feet)	DRY	DRY	DRY	Abandoned
Depth to Product (feet)	0.00	0.00	0.00	0.00
Product Thickness (feet)	0.00	0.00	0.00	0.00
Adjusted Groundwater Elevation (ft above MSL)	0.00	0.00	0.00	0.00

TABLE F-1
SUMMARY OF GROUNDWATER LEVEL MEASUREMENT DATA
AUGUST 1997 THROUGH MAY 1998

Monitor Well Designation: SEP-4				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3708.97	3708.73	3708.64	3709.04

Monitor Well Designation: SEP-13				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3709.63	3709.35	3709.55	3708.81

Monitor Well Designation: SEP-12				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3710.45	3710.50	3710.69	3710.01

Monitor Well Designation: SEP-11				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3713.12	3712.15	3712.34	3711.62

Monitor Well Designation: SEP-10				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3713.54	3714.43	3712.89	3712.08

Monitor Well Designation: SEP- 9				
Sample Event	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Measurement Date	Aug-97	Nov-97	Feb-98	May-98
Surface Water Elevation (ft above MSL)	3717.88	3712.67	3714.58	3716.48

Notes:
MSL = mean sea level
Elevations are presented in feet mean sea level.

APPENDIX G

GROUNDWATER QUALITY DATA, AUGUST 1997 THROUGH MAY 1998

APPENDIX G

GROUNDWATER QUALITY DATA, AUGUST 1997 THROUGH MAY 1998

APPENDIX G

GROUNDWATER QUALITY DATA, AUGUST 1997 THROUGH MAY 1998

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TABLE G-4

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EM-1	08/13/97	EPRI-9708-155	GW	77.85	4.05	7.52	7.80	5200	5210	3948	58	184	100	900	32	184	224	1	U	1849	687	0.81
EM-1	11/17/97	EPRI-9711-155	GW	77.95	4.96	7.20	8.00	4020	6250	2899	6.6	173	95	857	30	148	181	1	U	1206	564	0.74
EM-1	02/19/98	EPRI-9802-155	GW	74.76	1.64	7.39	7.50	5480	6410	4192	50	209	122	1075	28	227		1	U	1695	720	0.73
EM-1	05/18/98	EPRI-9805-155	GW	71.98	3.15	7.43	7.60	5550	5480	3901	122	206	115	1008	28		227	1	U	1699	743	0.81
EM-2	08/11/97	EPRI-9708-156A	GW	63.80	6.28	7.08			4630													
EM-2	08/26/97	EPRI-9708-156	GW	62.51		7.40	7.90	4550	871	2589	66	204	74	831	16	280	342	1	U	1448	497	1.4
EM-2	11/17/97	EPRI-9711-156	GW	65.88	1.41	7.00	7.70	3960	5150	2952	7.5	176	65	704	11	250	305	1	U	1185	456	1.3
EM-2	02/17/98	EPRI-9802-156	GW	65.72	1.26	6.90	7.70	4150	5450	3159	20	179	72	791	15	322		1	U	1247	436	1.4
EM-2	05/18/98	EPRI-9805-156	GW	63.77	4.29	7.14	7.50	4190	4180	2917	9.2	173	68	785	17		321	1	U	1197	428	1.5
EM-4	08/11/97	EPRI-9708-158A	GW	61.38	2.72	7.28			10570													
EM-4	08/26/97	EPRI-9708-158	GW	89.38		7.50	7.90	10410	2090	7094	15	441	198	1684	38	127	155	1	U	450	3507	1.3
EM-4	11/17/97	EPRI-9711-158	GW	62.25	2.57	7.10	7.70	11300	14110	7198	7.7	469	211	1959	42	126	154	1	U	547	3423	1.3
EM-4	02/17/98	EPRI-9802-157	GW	62.51	1.14	6.97	7.40	11150	14370	7157	1	451	220	1950	40	156		1	U	503	3358	1.3
EM-4	05/18/98	EPRI-9805-157	GW	61.80	1.49	7.23	7.70	9420	10150	5744	1	383	168	1618	37		142	1	U	376	2798	1.3
EM-5	08/11/97	EPRI-9708-159A	GW	14.48	0.96	7.65			5970													
EM-5	08/26/97	EPRI-9708-159	GW	14.49		7.64	8.00	6160	1187	4700	36	197	46	1238	79	162	198	1	U	1943	742	6.1
EM-5	11/17/97	EPRI 9711 159	GW	14.62	0.79	7.30	7.70	6700	8790	5176	7.4	249	60	1445	83	174	212	1	U	2224	806	6.4
EM-5	02/17/98	EPRI-9802-158	GW	14.45	1.84	7.17	7.70	6990	9310	5485	8.6	277	68	1528	87	195		1	U	2477	794	8
EM-5	05/18/98	EPRI-9805-158	GW	14.36	1.21	7.59	7.90	4920	4950	3432	3.4	142	33	1084	54		156	1	U	1599	485	9.5
EM-6	08/11/97	EPRI-9708-160	GW	35.55	4.48	7.25	7.90	4520	4480	3400	3.1	127	80	897	14	322	393	1	U	1707	422	2.2
EM-6	08/11/97	EPRI-9708-173	GW	35.55	4.48	7.25	7.80	4500	4480	3498	3.4	135	83	879	15	330	403	1	U	1653	442	2.2
EM-6	11/17/97	EPRI-9711-160	GW	34.90	0.98	7.15	7.60	4500	5750	3372	2.2	124	78	902	14	318	388	1	U	1470	451	2
EM-6	02/17/98	EPRI-9802-159	GW	34.78	0.91	7.04	7.80	4330	5810	3160	1	120	77	877	14	372		1	U	1280	419	1.9
EM-6	05/18/98	EPRI-9805-159	GW	35.28	1.57	7.21	7.60	4090	4310	2874	1	117	71	865	11		355	1	U	1223	390	2
EM-6	05/18/98	EPRI-9805-180	GW				7.50	4120		2846	1	116	71	861	12		360	1	U	1245	420	1.9
EM-7	08/15/97	EPRI-9708-161	GW																			
EM-7	11/17/97	EPRI-9711-161	GW	8.56	1.78	7.56	8.40	5700	7070	4264	54	215	42	1216	51	362	442	1	U	1864	714	4.9
EM-7	02/19/98	EPRI-9802-160	GW	8.63	2.33	7.77	7.80	6020	6810	4264	54	234	48	1349	39	305		1	U	2064	679	6.1
EM-7	05/07/98	EPRI-9805-160	GW	8.50	1.3	7.24	7.80	5560	6960	4029	37	216	43	1199	48		271	1	U	1755	614	6.7
EM-8	08/15/97	EPRI-9708-162	GW																			

See last page of APPENDIX G for notes.

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-12	11/03/97	EPRI-9711-104	GW	62.41	1.44	6.80	7.30	5840	7490	4846	7.9	370	121	995	17		764	1	U	1925	539	1
EP-12	02/03/98	EPRI-9802-104	GW	63.07	1.55	6.76	7.40	6580	7870	5491	8.3	437	148	1093	21		612	1	U	2603	666	0.92
EP-12	05/20/98	EPRI-9805-104	GW	62.00	2.38	7.05	7.60	5280	4820	3938	88	321	113	959	27		886	1	U	1566	524	1.1
EP-13	08/07/97	EPRI-9708-105	GW	59.64	5.56	7.35	7.70	12500	12410	11243	52	434	73	3087	110	352	429	1	U	5745	673	1.5
EP-13	11/06/97	EPRI-9711-105	GW	60.08	4.01	7.11	7.80	12210	14320	10653	14	371	70	3043	91		422	1	U	5541	724	1.4
EP-13	02/17/98	EPRI-9802-105	GW	60.03	0.18	6.95	7.70	11910	14100	10540	23	348	59	2992	102		417	1	U	5364	634	1.4
EP-13	05/07/98	EPRI-9805-105	GW	59.25	2.79	6.96	7.70	11440	10900	9394	3.4	363	70	2776	97		399	1	U	5265	759	1.5
EP-14	11/05/97	EPRI-9711-106	GW	59.80	0.40	6.91	7.50	4430	5020	3686	3.6	364	92	623	53		332	1	U	1876	347	1.5
EP-14	02/17/98	EPRI-9802-106	GW	60.03	0.35	6.76	7.50	4520	6090	3852	2.6	383	97	671	51		323	1	U	1707	350	1.5
EP-14	05/07/98	EPRI-9805-106	GW	58.58	1.60	6.86	7.40	4660	5500	3754	1.1	388	97	730	63		425	1	U	1989	344	1.6
EP-15	08/07/97	EPRI-9708-107	GW	58.64	2.84	7.20	7.80	3150	2830	2263	220	125	44	525	13	266	325	1	U	889	315	0.93
EP-15	11/06/97	EPRI-9711-107	GW	58.55	2.37	7.30	7.90	3060	3180	2189	165	116	42	529	10		290	1	U	974	333	0.89
EP-15	02/17/98	EPRI-9802-107	GW	58.61	2.45	7.12	7.70	3100	3980	2299	86	122	43	557	11		262	1	U	885	329	0.84
EP-15	05/07/98	EPRI-9805-107	GW	58.22	2.47	7.35	7.80	2960	3320	2018	124	110	39	538	17		279	1	U	875	311	0.91
EP-20	08/07/97	EPRI-9708-108	GW	13.07	1.98	6.72	7.40	11160	11270	10541	161	584	323	2070	71	328	400	1	U	4587	817	2.3
EP-20	11/03/97	EPRI-9711-108	GW	17.06	2.56	7.05	7.30	10760	12760	10175	78	520	310	2253	56		403	1	U	4608	786	2.4
EP-20	02/03/98	EPRI-9802-108	GW	16.98	2.36	7.00	7.40	10800	13110	9914	74	536	320	1919	63		349	1	U	5063	890	1.9
EP-20	05/06/98	EPRI-9805-108	GW	14.39	3.49	7.22	7.50	10510	10580	9230	50	530	315	2289	63		381	1	U	4635	780	2
EP-21	11/18/97	EPRI-9711-109	GW	28.35			7.80	6260		3282	320	85	49	1032	450		1510	1	U	1258	826	5.4
EP-21	02/18/98	EPRI-9802-109	GW	26.30	0.65	7.30	8.00	5980	8000	3770	27	65	51	1108	466		1935	1	U	511	697	4.8
EP-21	05/21/98	EPRI-9805-109	GW	27.80	0.41	7.26	7.80	5740	1096	3237	269	56	44	959	416		2001	1	U	372	695	5.7
EP-22	08/15/97	EPRI-9708-110	GW	37.35	2.92	7.46	7.90	8540	8510	5188	14	106	91	1168	180	1078	1315	1	U	1860	711	5.1
EP-22	11/18/97	EPRI-9711-110	GW	35.80	1.01	7.16	7.40	9980	12900	2860	9	350	164	1942	116		399	1	U	3341	1368	4.2
EP-22	02/18/98	EPRI-9802-110	GW	35.10	3.75	7.49	7.60	9900	11910	6247	45	253	155	1664	281		889	1	U	2219	903	4.5
EP-22	06/10/98	EPRI-9806-201	GW	36.04	2.26	7.63	7.70	9520	9560	6203	30410	289	148	1477	245		2684	1	U	2334	971	5.2
EP-23	08/11/97	EPRI-9708-111	GW	29.67	1.17	7.36	7.50	6790	6640	5028	124	218	115	930	80	212	259	1	U	3239	494	3.1
EP-23	11/04/97	EPRI-9711-111	GW	25.10	0.73	7.51	7.70	6130	6810	4089	61	181	96	876	76		322	1	U	2236	541	3.2
EP-23	02/04/98	EPRI-9802-111	GW	23.73	1.45	7.42	7.70	6190	7190	4183	45	192	99	854	76		307	1	U	2484	493	2.6
EP-23	05/11/98	EPRI-9805-111	GW	24.37	0.88	7.13	7.60	5500	5790	3492	99	131	71	821	70		403	1	U	1902	420	3.3
EP 24	08/15/97	EPRI-9708-112	GW	32.55	1.13	6.70	8.00	5130	4660	3451	17	174	55	910	25	800	976	1	U	765	831	1.6

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-24	11/18/97	EPRI-9711-112	GW	26.64			7.70	5940		4168	8	393	56	1030	53		1037	1	U	1338	1003	3.1
EP-24	02/18/98	EPRI-9802-112	GW	21.70	1.26	6.74	8.10	5130	5820	3259	16	213	47	1033	29		1200	1	U	305	1027	2.6
EP-24	05/21/98	EPRI-9805-112	GW	34.56	0.80	6.95	7.50	5380	999	3208	143	196	59	980	34		1135	1	U	577	1024	2.5
EP-25	08/15/97	EPRI-9708-113	GW	47.16	1.32	7.13	7.40	5990	5730	3995	84	113	40	1040	78	990	1208	1	U	695	1127	1.6
EP-25	11/19/97	EPRI-9711-113	GW	46.19			7.80	5470		912	43	74	33	1136	59		1556	1	U	304	965	1.7
EP-25	02/18/98	EPRI-9802-113	GW	46.51			7.60	5420		3218	500	78	39	1232	53		1588	1	U	147	937	1.6
EP-25	05/21/98	EPRI-9805-113	GW	47.88			7.50	5760		3194	0	125	34	1098	166		1281	1	U	572	971	1.9
EP-26	08/11/97	EPRI-9708-114	GW	48.80	5.26	7.69	7.20	544	568	395	163	23	3.7	88	6.9	37	45	1	U	157	43	0.86
EP-26	11/04/97	EPRI-9711-114	GW	56.70	5.05	7.15	7.30	1700	1900	1191	99	62	13	244	20		64	1	U	561	163	1.4
EP-26	02/04/98	EPRI-9802-114	GW	50.44	5.74	7.58	7.40	207	239	145	100	9.1	2	26	13		26	1	U	46	12	0.78
EP-26	05/07/98	EPRI-9805-114	GW	48.86	6.30	7.64	7.00	141	170	102	70	9.9	1.5	14	15		21	1	U	26	5.3	0.58
EP-29	08/07/97	EPRI-9708-115	GW	13.35	2.77	7.41	8.00	3090	3110	2085	1.1	79	27	557	29	312	381	1	U	742	289	3
EP-29	11/03/97	EPRI-9711-115	GW	16.92	0.52	7.09	7.90	2960	3610	2096	56	50	18	576	24		395	1	U	706	305	3
EP-29	02/03/98	EPRI-9802-115	GW	16.95	0.68	7.47	8.00	3100	3890	2073	12	52	20	677	27		285	1	U	973	317	2.7
EP-29	05/06/98	EPRI-9805-115	GW	13.80	4.14	7.59	8.00	3180	3470	2159	23	69	26	654	31		417	1	U	793	315	2.6
EP-35	08/07/97	EPRI-9708-116	GW	12.43	5.98	7.55	8.00	6530	6150	5678	4.8	395	176	1124	26	196	239	1	U	2558	575	0.95
EP-35	11/03/97	EPRI-9711-116	GW	17.28	1.75	6.92	7.50	6340	7420	5731	73	408	165	1116	19		493	1	U	2396	527	1.1
EP-35	02/03/98	EPRI-9802-116	GW	17.48	2.11	6.99	7.60	6760	7940	5859	14	443	170	1108	19		490	1	U	2654	545	0.99
EP-35	05/06/98	EPRI-9805-116	GW	14.48	2.47	7.15	7.20	6530	6950	5225	928	436	152	1192	29		600	1	U	2357	552	1.1
EP-4	08/05/97	EPRI-9708-100	GW	5.28	1.51	7.06	7.70	2350	2230	1557	14	135	36	336	17	318	388	1	U	454	356	1.2
EP-4	11/04/97	EPRI-9711-100	GW	6.37	1.00	7.46	7.80	1656	1906	1102	22	56	15	251	12		346	1	U	287	196	1.4
EP-4	02/04/98	EPRI-9802-100	GW	5.00	1.91	7.58	8.00	1595	1563	1076	54	74	20	257	12		300	1	U	346	190	1.1
EP-4	05/05/98	EPRI-9805-100	GW	5.75	3.20	7.95	7.90	1831	1670	1211	58	99	27	270	21		326	1	U	377	213	0.97
EP-43	11/03/97	EPRI-9711-172	GW	59.63	0.52	7.31	7.60	4950	5830	3361	14	118	55	974	60		656	1	U	987	806	2.6
EP-43	02/03/98	EPRI-9802-175	GW	60.84	0.03	7.09	7.50	9590	11980	6434	35	261	145	1692	58		720	1	U	1425	2405	2.1
EP-43	05/20/98	EPRI-9805-175	GW	60.75	1.50	7.07	7.50	4930	4480	3151	14	188	66	922	44		634	1	U	1073	785	2.4
EP-49	11/19/97	EPRI-9711-117	GW	64.02			3.50	11740		17185	465	493	303	869	182		1	1	U	9515	867	33
EP-49	02/19/98	EPRI-9802-117	GW	65.35			4.00	11440		17442	430	466	305	614	207		1	1	U	7869	782	25
EP-49	05/21/98	EPRI-9805-117	GW	63.53			3.60	10920		14614	315	468	291	930	209		1	1	U	8599	689	30
EP-5	08/06/97	EPRI-9708-101	GW	5.78	1.29	7.47	7.70	3350	3330	2342	199	96	39	650	16	766	935	1	U	544	424	2.8

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-5	11/04/97	EPRI-9711-101	GW	5.82	2.52	7.58	8.00	3100	3700	2141	186	80	35	623	11		910	1	U	434	343	2.8
EP-5	02/04/98	EPRI-9802-101	GW	5.51	0.68	7.58	8.10	3070	3060	2106	30	78	33	671	10		895	1	U	519	361	2.3
EP-5	05/05/98	EPRI-9805-101	GW	6.31	5.22	7.81	8.00	2980	2560	2116	169	85	34	629	18		786	1	U	410	336	2.6
EP-51	08/11/97	EPRI-9708-118A	GW	48.82	0.70	6.73			10400													
EP-51	08/26/97	EPRI-9708-118	GW	49.12	9.40	7.25	7.30	11800	10630	9539	35	655	478	1416	54	214	261	1	U	2125	2649	0.78
EP-51	11/06/97	EPRI-9711-118	GW	48.80	2.35	6.58	7.30	11670	12140	9116	41	658	469	1457	47		268	1	U	2401	2609	1.5
EP-51	11/06/97	EPRI-9711-174	GW	48.80			7.20	11440		8894	45	645	461	1409	46		270	1	U	2432	2746	1.6
EP-51	02/12/98	EPRI-9802-118	GW	48.56	0.03	5.85	6.90	11070	13050	8591	36	690	412	1322	51		256	1	U	2550	2369	7.3
EP-51	05/11/98	EPRI-9805-118	GW	48.73	1.42	6.29	8.20	11800	9890	8933	31	655	471	1501	63		307	1	U	2475	2627	2.1
EP-52	11/06/97	EPRI-9711-173	GW	45.92		6.10	7.10	9750	11000	8243	57	537	211	1893	23		571	1	U	2953	1330	6.3
EP-52	02/12/98	EPRI-9802-176	GW	45.88	2.00	6.03	6.90	10870	13320	9766	86	581	252	2276	23		642	1	U	3538	1468	6.3
EP-53	08/11/97	EPRI-9708-172	GW	67.60	7.74	6.58	7.20	7790	7300	6739	239	394	89	1450	147	252	307	1	U	3200	494	4.9
EP-53	02/04/98	EPRI-9802-178	GW	66.14	1.43	6.43	7.00	7590	9580	6775	277	527	101	1264	124		256	1	U	3266	515	5.9
EP-53	06/10/98	EPRI-9806-200	GW	67.15	2.17	6.68	6.90	7470	7780	6269	275	475	82	1365	118		298	1	U	2825	520	6.3
EP-54	08/11/97	EPRI-9708-119A	GW	68.58	1.64	6.06			10470													
EP-54	08/26/97	EPRI-9708-119	GW	68.59		6.60	6.90	11340	1980	10210	386	432	270	1842	345	360	439	1	U	5049	891	16
EP-54	11/06/97	EPRI-9711-119	GW	69.05	2.51	6.14	6.80	10750	12010	9568	222	455	307	1984	375		497	1	U	5255	791	13
EP-54	02/12/98	EPRI-9802-119	GW	69.90	1.94	5.98	7.40	10100	11060	8548	43	414	255	1788	342		566	1	U	4900	790	5.7
EP-54	05/11/98	EPRI-9805-119	GW	69.25	1.93	6.20	7.10	9780	11910	8370	33	469	286	1576	378		543	1	U	4548	751	13
EP-55	08/15/97	EPRI-9708-120	GW	54.35	1.85	6.17	7.00	10550	10700	9746	947	559	373	1602	227	460	561	1	U	4747	945	17
EP-55	11/19/97	EPRI-9711-120	GW	54.19	2.12	6.25	6.90	10480	12860	7450	515	521	334	1830	211		1098	1	U	5186	998	24
EP-55	02/12/98	EPRI-9802-120	GW	53.96	1.21	5.95	6.90	10510	14030	9283	2141	522	324	1794	229		878	1	U	4863	922	22
EP-55	05/20/98	EPRI-9805-120	GW	54.35	1.93	6.06	6.70	10280	10320	8056	466	501	305	1619	217		671	1	U	4672	813	21
EP-56	08/11/97	EPRI-9708-121A	GW	49.23	2.51	7.34			5470													
EP-56	08/26/97	EPRI-9708-121	GW	48.70		7.25	7.50	5600	1063	4474	243	255	63	1026	27	262	320	1	U	1864	666	2.1
EP-56	11/04/97	EPRI-9711-121	GW	48.51	0.77	7.12	7.60	5520	5930	4378	565	265	65	1080	26		354	1	U	1863	646	2.4
EP-56	02/04/98	EPRI-9802-121	GW	49.06	1.81	7.14	7.80	5520	6620	4260	448	256	63	1043	29		344	1	U	2125	681	2.1
EP-56	05/07/98	EPRI-9805-121	GW	48.92	1.08	7.03	7.60	5500	7170	3956	358	253	64	1091	34		303	1	U	1793	616	1.9
EP-57	08/16/97	EPRI-9708-122	GW	8.53	1.00	7.30	7.90	3330	3370	2510	452	129	87	587	23	1052	1259	1	U	521	784	1.2
EP-57	11/14/97	EPRI-9711-122	GW	9.64	1.72	7.01	7.40	3070	3500	2159	14	104	79	525	25		1143	1	U	466	278	1
EP-57	02/18/98	EPRI-9802-122	GW	9.85	0.78	7.01	7.50	2900	3530	1978	42	89	76	500	18		1176	1	U	298	261	0.94

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-57	05/18/98	EPRI-9805-122	GW	9.17	1.01	7.18	7.50	2610	2440	1475	1076	71	64	455	18		1344	1	U	172	258	0.95
EP-58	08/16/97	EPRI-9708-123	GW	12.90	0.24	6.54	6.90	11230	11340	9153	7753	463	161	2098	220	1900	2318	1	U	4586	989	4.9
EP-58	11/14/97	EPRI-9711-123	GW	15.10	0.84	6.54	6.90	11480	14130	9286	28	487	178	2396	260		1274	1	U	4699	930	4.7
EP-58	02/18/98	EPRI-9802-123	GW	15.76	0.79	6.38	6.80	11510	13740	9349	72	497	198	2510	263		1288	1	U	4006	851	4.7
EP-58	05/18/98	EPRI-9805-123	GW	13.58	0.43	6.35	6.80	11500	11490	8740	172	489	189	2245	252		1362	1	U	4372	789	5
EP-59	08/09/97	EPRI-9708-124	GW	12.90	2.08	6.98	7.70	4780	4750	3693	1	191	93	876	105	432	527	1	U	1632	419	4.9
EP-59	11/05/97	EPRI-9711-124	GW	13.20	0.20	7.23	7.60	4660	5340	3629	6	169	84	818	95		512	1	U	1555	421	4.8
EP-59	02/05/98	EPRI-9802-124	GW	13.66	1.06	7.09	7.30	4640	5630	3594	2.7	168	83	807	95		503	1	U	1551	450	4.8
EP-59	05/08/98	EPRI-9805-124	GW	13.20	1.33	7.13	7.70	4800	5600	3743	1.7	181	90	868	100		444	1	U	1586	369	4.8
EP-6	08/06/97	EPRI-9708-102	GW	6.70	1.47	7.34	7.90	7520	7240	6029	1.9	411	128	1409	36	324	395	1	U	2632	914	1.5
EP-6	11/04/97	EPRI-9711-102	GW	7.80	1.03	7.44	7.90	7010	7440	5909	7.5	365	118	1409	25		425	1	U	2332	827	1.6
EP-6	02/04/98	EPRI-9802-102	GW	7.61	3.10	7.53	8.00	6060	997	4491	10	246	76	1167	25		581	1	U	1852	954	1.3
EP-6	05/05/98	EPRI-9805-102	GW	7.48	3.00	7.62	8.00	5810	4950	4763	7.7	225	72	1215	28		468	1	U	1664	760	1.5
EP-60	08/08/97	EPRI-9708-125	GW	9.00	2.44	6.98	7.50	9140	8840	8015	8.9	360	152	857	14	240	293	1	U	3055	1345	1.7
EP-60	11/05/97	EPRI-9711-125	GW	10.02	0.16	6.99	7.50	8560	9660	7339	27	571	229	1417	17		290	1	U	3090	1227	1.6
EP-60	02/05/98	EPRI-9802-125	GW	10.17	1.70	6.95	7.30	8780	10210	7495	6.3	584	237	1366	14		317	1	U	3000	1278	1.4
EP-60	05/08/98	EPRI-9805-125	GW	9.22	1.23	7.24	7.60	8880	9880	4857	7	575	231	1370	27		305	1	U	3180	1254	1.6
EP-61	08/16/97	EPRI-9708-126	GW	9.58	2.30	7.15	7.90	9290	9210	8194	562	455	185	1723	22	300	366	1	U	3189	891	1.7
EP-61	11/14/97	EPRI-9711-126	GW	12.63	1.71	6.93	7.20	9080	11290	7684	38	436	182	1962	28		439	1	U	3446	941	1.7
EP-61	02/18/98	EPRI-9802-126	GW	11.84	1.68	6.85	7.30	9200	10350	8017	104	477	201	2082	23		388	1	U	3213	857	1.6
EP-61	02/18/98	EPRI-9802-180	GW	11.84	1.68	6.85	7.40	9190	10350	7997	44	477	210	2118	24		398	1	U	3375	826	1.6
EP-61	05/18/98	EPRI-9805-126	GW	10.73	0.51	6.95	7.30	8860	8810	7116	27	454	189	1684	24		434	1	U	3315	836	1.6
EP-62	08/09/97	EPRI-9708-127	GW	7.32	1.45	7.10	7.70	5050	5030	3954	3.4	228	97	904	72	328	400	1	U	1760	434	3
EP-62	11/05/97	EPRI-9711-127	GW	9.55	1.16	7.09	7.70	5050	5580	3897	8.2	216	96	906	64		400	1	U	1919	497	2.9
EP-62	02/05/98	EPRI-9802-127	GW	9.64	3.07	7.16	7.40	5460	5980	4317	20	253	114	935	69		393	1	U	2183	473	2.7
EP-62	05/08/98	EPRI-9805-127	GW	7.62	2.87	7.21	7.70	4820	5480	3725	5.1	199	85	882	63		393	1	U	1785	405	3
EP-63	08/09/97	EPRI-9708-128	GW	6.52	2.83	7.13	7.80	8100	880	6442	52	293	153	1638	33	390	476	1	U	2643	1045	2.3
EP-63	11/05/97	EPRI-9711-128	GW	93.00	0.33	7.16	7.80	8260	9220	6381	32	260	152	1747	35		479	1	U	2779	1018	2.3
EP-63	02/05/98	EPRI-9802-128	GW	9.42	2.23	7.08	7.40	8210	9590	6412	102	266	157	1579	39		532	1	U	2893	1067	2.1
EP-63	05/08/98	EPRI-9805-128	GW	6.95	1.58	7.15	7.60	8390	9360	6532	18	273	166	1634	43		501	1	U	2941	973	2.2

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-64	08/09/97	EPRI-9708-129	GW	10.18	3.96	7.39	7.80	8590	9700	7433	84	360	115	1713	25	266	325	1	U	3359	744	1.9
EP-64	11/05/97	EPRI-9711-129	GW	12.05	0.19	7.25	7.80	11000	13050	9787	65	482	155	2601	23		389	1	U	4379	916	2
EP-64	02/05/98	EPRI-9802-129	GW	12.27	3.76	7.98	7.90	10420	10800	9250	22	399	141	2200	26		256	1	U	4564	869	1.9
EP-64	05/08/98	EPRI-9805-129	GW	10.45	2.60	6.82	8.00	10000	10940	8604	6.3	378	131	2185	34		261	1	U	4063	755	1.9
EP-65	08/16/97	EPRI-9708-130	GW	8.25	0.35	7.15	7.70	7420	7360	6449	21	392	144	1380	24	408	498	1	U	2651	643	2.1
EP-65	11/14/97	EPRI-9711-130	GW	10.94	1.40	7.02	7.60	7380	9180	6235	25	373	143	1480	30		555	1	U	2699	676	1.9
EP-65	02/18/98	EPRI-9802-130	GW	10.73	0.84	7.07	7.50	7500	9190	6383	8.4	409	165	1661	24		521	1	U	2718	690	2
EP-65	05/18/98	EPRI 9805-130	GW	8.52	0.56	7.10	7.30	7440	7310	5726	132	328	139	1349	28		515	1	U	2897	689	2.1
EP-66	08/08/97	EPRI-9708-131	GW	10.02	6.70	7.05	7.50	8390	8370	7776	78	666	161	1505	52	458	559	1	U	3474	697	3.2
EP-66	11/05/97	EPRI-9711-131	GW	11.85	1.30	6.80	7.50	7920	9020	7183	19	618	143	1502	48		498	1	U	3435	699	3.2
EP-66	02/05/98	EPRI-9802-131	GW	11.21	4.47	7.09	7.60	7220	8290	6329	5.6	541	122	1194	45		443	1	U	3098	625	3
EP-66	05/08/98	EPRI-9805-131	GW	10.37	2.99	7.39	7.70	7690	8980	6881	16	554	130	1429	58		478	1	U	3456	595	3.3
EP-67	08/12/97	EPRI-9708-132	GW	41.62	1.50	6.74	7.60	4400	4490	4098	4	560	156	488	19	206	251	1	U	1923	415	0.82
EP-67	11/07/97	EPRI-9711-132	GW	41.62	0.90	6.84	7.40	4460	5000	4028	12	456	144	472	15		256	1	U	2228	377	0.79
EP-67	02/11/98	EPRI-9802-132	GW	43.95	1.71	6.66	7.30	4470	5820	4077	2.9	477	144	511	16		251	1	U	1896	384	0.72
EP-67	02/11/98	EPRI-9802-179	GW	43.95	1.71	6.66	7.30	4480	5820	4056	3.2	477	144	510	17		256	1	U	1969	385	0.72
EP-67	05/12/98	EPRI-9805-132	GW	41.72	0.94	6.94	7.20	4440	4450	3665	3.6	457	134	473	15		244	1	U	1900	364	0.79
EP-68	08/14/97	EPRI-9708-133	GW	63.10	6.38	7.14	7.70	5430	5290	4246	19	337	141	784	18	180	220	1	U	1740	717	0.77
EP-68	08/14/97	EPRI-9708-174	GW	63.10	6.38	7.14	7.70	5230	5290	4220	19	320	133	774	18	184	224	1	U	1683	735	0.78
EP-68	11/11/97	EPRI-9711-133	GW	62.85	6.09	7.11	7.30	5440	5590	4330	38	314	132	841	12		223	1	U	1725	751	0.7
EP-68	02/11/98	EPRI-9802-133	GW	65.20	7.59	6.93	7.70	4980	6080	3957	89	271	114	765	17		244	1	U	1610	638	0.68
EP-68	05/13/98	EPRI-9805-133	GW	63.10	5.87	7.17	7.40	5690	5320	4125	46	299	129	815	16		220	1	U	1845	715	0.76
EP-68	05/13/98	EPRI-9805-179	GW				8.10	5740		4166	51	316	133	840	16		226	1	U	1878	789	0.76
EP-7	08/06/97	EPRI-9708-103	GW	6.02	1.66	7.17	7.80	2810	2580	1942	12	103	34	490	12	320	390	1	U	672	320	1.7
EP-7	11/04/97	EPRI-9711-103	GW	7.65	1.55	7.36	7.90	2710	2850	1974	15	96	32	484	5.9		390	1	U	687	311	1.8
EP-7	02/04/98	EPRI-9802-103	GW	6.62	1.62	7.30	7.90	2810	501	1978	14	119	38	502	9.6		361	1	U	814	344	1.3
EP-7	05/05/98	EPRI-9805-103	GW	6.94	3.73	7.67	7.80	2890	2500	1930	15	127	41	512	14		322	1	U	887	348	1.5
EP-70	11/07/97	EPRI-9711-135	GW	62.12	0.75	6.91	7.50	5740	7510	5436	6.4	298	165	1236	25		300	1	U	2586	624	1.2
EP-70	02/11/98	EPRI-9802-135	GW	62.30	0.56	6.79	7.40	6600	8480	5373	1	304	159	1230	26		290	1	U	2464	608	1.1
EP-70	05/12/98	EPRI-9805-135	GW	61.95	0.38	7.07	7.40	6290	6210	4672	1	277	143	1097	20		283	1	U	2356	565	1.2
EP-70R	08/12/97	EPRI-9708-135A	GW	61.65	0.52	6.84			7120													

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS	Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-70R	08/26/97	EPRI-9708-135	GW	61.50		7.19	7.90	6970	1291	5856	6.5	274	149	1238	31	252	307	1	U	2496	615	1.3
EP-70R	08/26/97	EPRI-9708-180	GW	61.50		7.19	7.60	6970	1291	5831	9.8	278	152	1221	32	248	303	1	U	2639	626	1.3
EP-71	11/07/97	EPRI-9711-136	GW	50.38	0.54	6.85	7.50	6470	7180	5567	10	380	185	1091	18		298	1	U	2564	573	0.92
EP-71	02/11/98	EPRI-9802-136	GW	50.63	0.82	6.70	7.50	6770	8670	5828	1.3	379	180	1168	20		305	1	U	2575	574	0.8
EP-71	05/12/98	EPRI-9805-136	GW	50.22	0.39	6.99	7.30	6440	6400	5049	3.2	362	169	1058	18		300	1	U	2329	476	0.89
EP-71R	08/12/97	EPRI-9708-136	GW	49.90	0.43	6.79	7.50	6480	6560	5636	4.9	388	180	1046	21	248	303	1	U	2720	517	0.95
EP-72	08/12/97	EPRI-9708-137	GW	61.40	0.37	6.77	7.80	6220	6300	5403	6.4	366	167	997	25	238	290	1	U	2767	553	1.4
EP-72	11/07/97	EPRI-9711-137	GW	61.72	0.95	6.86	7.40	6040	6810	5075	11	347	162	995	22		287	1	U	2522	608	1.4
EP-72	02/11/98	EPRI-9802-137	GW	61.85	0.72	6.72	7.40	6030	7900	4975	16	349	158	1016	25		283	1	U	2209	574	1.3
EP-72	05/13/98	EPRI-9805-137	GW	61.70	0.29	7.02	7.50	6030	5970	4600	2.9	327	150	985	21		282	1	U	2296	569	1.4
EP-73	08/12/97	EPRI-9708-138	GW	70.75	5.73	6.88	7.90	6760	6760	5763	2	287	117	1048	388	240	293	1	U	3223	485	2.8
EP-73	11/13/97	EPRI-9711-138	GW	70.20	1.20	6.91	7.40	6520	8610	5329	12	265	113	1087	382		287	1	U	2584	441	2.6
EP-73	02/12/98	EPRI-9802-138	GW	71.25	0.97	6.84	7.60	6850	9340	5672	8.2	292	125	1185	417		285	1	U	2861	466	2.4
EP-73	05/11/98	EPRI-9805-138	GW	71.10	1.43	6.62	7.70	6900	7810	5747	3.5	283	123	1148	387		272	1	U	3124	422	2.8
EP-74	08/13/97	EPRI-9708-139	GW	52.33	9.41	7.42	8.00	2550	2530	1771	31	87	36	448	7.6	240	293	1	U	710	253	0.85
EP-75	08/12/97	EPRI-9708-140	GW	57.10	1.54	6.84	7.40	19620	18940	20923	115	438	463	4680	586	654	798	1	U	13167	352	1.8
EP-75	11/13/97	EPRI-9711-140	GW	55.38	1.96	6.82	7.20	18340	21300	18239	41	406	407	5246	760		742	1	U	10061	258	1.5
EP-75	02/06/98	EPRI-9802-140	GW	55.45	1.11	6.86	7.20	19240	23900	19043	49	451	476	4055	655		238	1	U	11195	710	1.5
EP-75	05/11/98	EPRI-9805-140	GW	56.22	2.40	6.52	7.50	20000	20000	19297	260	452	501	4377	702		815	1	U	12795	377	2.3
EP-76	08/12/97	EPRI-9708-141	GW	51.35	0.35	7.39	8.00	5110	5170	3967	25	195	105	937	72	396	483	1	U	1889	492	2.1
EP-76	11/11/97	EPRI-9711-141	GW	45.97	0.16	7.21	7.50	4670	5050	3497	5.6	157	88	891	58		486	1	U	1498	479	2.1
EP-76	02/06/98	EPRI-9802-141	GW	49.22	0.34	7.22	7.60	4800	6000	3704	4	159	90	882	63		476	1	U	1527	422	1.9
EP-76	05/11/98	EPRI-9805-141	GW	50.70	1.04	7.22	7.70	5000	5390	3843	1.6	168	97	885	62		481	1	U	1758	426	2.1
EP-77	08/12/97	EPRI-9708-142	GW	41.90	3.83	6.98	8.40	5400	5350	4175	752	240	58	1034	35	308	364	6		2129	616	2.6
EP-77	11/13/97	EPRI-9711-142	GW	41.20	1.50	7.02	7.60	5350	6550	3956	142	223	53	1030	36		309	1	U	1793	608	2.4
EP-77	11/13/97	EPRI-9711-178	GW	41.20			7.60	5350	0	4057	82	226	55	1045	35		310	1	U	1793	621	2.2
EP-77	02/12/98	EPRI-9802-142	GW	40.70	1.10	7.00	7.50	5330	6910	4046	249	228	51	1067	34		329	1	U	1808	636	2.4
EP-77	05/13/98	EPRI-9805-142	GW	41.10	0.71	7.23	7.50	5070	5320	3502	190	220	48	1054	35		273	1	U	1698	608	2.7
EP-78	08/13/97	EPRI-9708-143	GW	31.26	0.25	7.78	8.00	2600	2640	1773	9.8	46	26	492	46	282	344	1	U	807	179	4.9

TABLE G-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS		Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-78	11/18/97	EPRI-9711-143	GW	31.10	0.74	7.77	7.90	2310	2940	1437	5.9	43	24	380	46			295	1	U	674	179	4.8
EP-78	11/18/97	EPRI-9711-179	GW	31.10			7.90	2320	0	1484	3.8	44	24	381	46			299	1	U	654	179	4.9
EP-78	02/06/98	EPRI-9802-143	GW	31.13	0.73	7.69	7.90	2940	3780	2004	10	61	33	483	57			337	1	U	876	252	4.2
EP-78	05/14/98	EPRI-9805-143	GW	33.05	0.82	7.70	8.00	3730	3750	2354	18	78	40	669	48			362	1	U	1078	325	3.9
EP-79	08/13/97	EPRI-9708-144	GW	46.00	1.06	7.47	8.00	4890	4870	3643	20	59	71	1018	9.3		388	473	1	U	1596	437	4.1
EP-79	11/18/97	EPRI-9711-144	GW	45.20	0.77	7.43	8.20	4900	6500	3560	89	58	71	1153	12			454	1	U	1802	432	3.7
EP-79	02/06/98	EPRI-9802-144	GW	45.09	0.63	7.42	7.90	4940	6700	3770	37	59	74	1103	12			466	1	U	1748	451	3.9
EP-79	05/14/98	EPRI-9805-144	GW	47.01	0.43	7.52	7.80	5080	5150	3404	718	56	69	1144	5			610	1	U	1518	468	4.4
EP-80	08/13/97	EPRI-9708-145	GW	10.68	0.31	7.23	7.70	5040	5040	4036	382	190	87	934	20		456	556	1	U	1889	432	1.3
EP-80	11/17/97	EPRI-9711-145	GW	11.83	2.90	7.05	7.90	5100	6840	4029	127	226	85	1052	19			542	1	U	2004	356	1.3
EP-80	02/05/98	EPRI-9802-145	GW	11.98	0.88	7.14	7.40	5040	6190	4032	67	202	81	1000	14			520	1	U	1954	362	1.3
EP-80	05/13/98	EPRI-9805-145	GW	11.13	0.68	7.26	7.60	4960	5020	3596	6.2	183	80	1004	15			499	1	U	1757	360	1.3
EP-81	08/13/97	EPRI-9708-146	GW	17.55	2.82	7.01	7.70	2550	2530	2045	233	176	86	327	18		360	439	1	U	961	164	1.4
EP-81	11/17/97	EPRI-9711-146	GW	18.42	2.88	6.90	7.80	2390	3250	1809	11	150	79	311	14			534	1	U	748	102	1.2
EP-81	02/05/98	EPRI-9802-146	GW	18.81	2.94	7.00	7.50	2560	2980	1967	76	152	76	331	17			527	1	U	923	125	1.6
EP-81	05/14/98	EPRI-9805-149	GW	18.42	3.44	7.04	7.40	2540	2630	1850	45	140	75	330	12			537	1	U	776	100	1.4
EP-82	08/13/97	EPRI-9708-147	GW	17.42	1.31	7.06	7.70	3980	3960	2948	7.3	151	74	693	21		362	442	1	U	1310	422	2.5
EP-82	11/18/97	EPRI-9711-147	GW	16.13	2.15	7.03	8.00	3250	4070	2274	36	91	48	613	17			508	1	U	865	361	2.7
EP-82	02/11/98	EPRI-9802-147	GW	15.50	1.73	6.94	7.60	4320	5360	3099	5.4	167	87	780	24			394	1	U	1311	500	2.3
EP-82	05/14/98	EPRI-9805-147	GW	16.92	0.67	7.12	7.60	4740	4780	3297	47	170	85	844	20			381	1	U	1317	530	2.5
EP-83	08/13/97	EPRI-9708-148	GW	28.00	5.75	7.47	8.00	3940	3960	2910	6	86	73	748	12		308	376	1	U	1382	359	2.9
EP-83	11/18/97	EPRI-9711-148	GW	27.52	4.42	7.36	8.20	3940	4930	2741	112	76	68	799	13			415	1	U	1192	399	2.8
EP-83	02/06/98	EPRI-9802-148	GW	27.14	6.33	7.51	7.80	3720	4670	2660	8.1	73	66	735	12			361	1	U	1161	364	2.7
EP-83	05/13/98	EPRI-9805-148	GW	27.91	4.85	7.51	7.80	3840	3880	2558	4	71	64	763	5	U		359	1	U	1126	350	3.1
EP-84	08/13/97	EPRI-9708-149	GW	7.15	3.33	7.39	7.90	1958	1908	1525	18	148	62	224	8.5		224	273	1	U	521	184	0.8
EP-84	11/18/97	EPRI-9711-149	GW	7.58	1.37	7.16	8.10	2650	3260	1979	31	201	96	254	13			284	1	U	826	326	0.77
EP-84	02/06/98	EPRI-9802-149	GW	7.48	1.35	7.18	7.40	2990	3470	2293	4.4	219	104	390	11			295	1	U	942	371	0.63
EP-84	05/13/98	EPRI-9805-146	GW	8.38	2.28	7.22	7.50	3040	3050	2087	8.1	208	99	335	5	U		298	1	U	916	346	0.69
EP-85	08/13/97	EPRI-9708-150	GW	13.40	0.32	7.33	8.00	2900	2890	2126	4.4	106	49	495	32		314	383	1	U	1034	193	3.6
EP-85	11/17/97	EPRI-9711-150	GW	13.60	0.35	7.30	8.00	2300	2950	1622	1.1	67	32	401	26			361	1	U	680	143	3.8
EP 85	02/05/98	EPRI-9802-150	GW	19.25	0.61	7.34	7.70	2600	3140	1882	7.9	89	43	431	30			356	1	U	840	179	3.4

TABLE C-1

ANALYTICAL RESULTS FOR COMMON IONS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	TDS	TSS	Calcium DIS	Magnesium DIS	Sodium DIS	Potassium DIS		Total Alkalinity as CACO3	Bicarbonate	Carbonate		Sulfate	Chloride	Fluoride
EP-85	05/14/98	EPRI-9805-150	GW	15.49	0.52	7.39	7.70	2970	3010	2047	7.3	105	51	496	28			344	1	U	857	233	3.5
EP-86	08/13/97	EPRI-9708-151	GW	49.30	7.68	7.63	8.00	2630	2610	1780	78	46	33	493	11		292	356	1	U	658	285	2.8
EP-86	11/18/97	EPRI-9711-151	GW	49.27	5.56	7.54	8.30	2650	3240	1758	182	42	32	519	10			415	1	U	664	291	2.7
EP-86	02/06/98	EPRI-9802-151	GW	48.74	6.00	7.53	7.80	2640	3300	1812	201	41	33	497	12			383	1	U	679	287	2.5
EP-86	05/14/98	EPRI-9805-151	GW	48.83	8.01	7.70	7.90	2640	2670	1628	61	40	30	507	5			346	1	U	599	274	2.8
EP-87	09/15/97	EPRI-9708-152	GW				7.50	546		365	20	72	17	18	5		232	283	1	U	41	7.6	0.47
EP-87	11/18/97	EPRI-9711-152	GW	11.47	4.70	7.49	8.20	560	685	361	1	66	24	16	2	U		289	1	U	39	12	0.59
EP-87	02/06/98	EPRI-9802-152	GW																				
EP-88	08/12/97	EPRI-9708-153	GW	29.52	0.73	7.35	8.40	5150	5370	3679	438	68	46	1145	8.8		442	527	6		1790	483	2.3
EP-88	11/11/97	EPRI-9711-153	GW	28.12	0.43	7.41	7.90	5240	5980	3700	72	57	39	1323	4.9			540	1	U	1787	471	2.2
EP-88	02/12/98	EPRI-9802-153	GW	27.73	1.53	7.24	7.80	5320	6600	3946	60	59	38	1344	6.9			339	1	U	1669	448	1.9
EP-88	05/11/98	EPRI-9805-153	GW	28.53	1.21	7.60	8.00	5370	5860	4085	205	54	35	1366	10			590	1	U	1848	425	2.2
EP-89	08/12/97	EPRI-9708-154	GW	15.10	5.34	7.04	7.90	2780	2800	2085	5.4	175	68	379	21		224	273	1	U	859	308	0.77
EP-89	11/13/97	EPRI-9711-154	GW	15.26	3.98	7.12	7.40	2770	3350	1956	2.9	157	62	350	20			281	1	U	777	356	0.72
EP-89	02/11/98	EPRI-9802-154	GW	15.12	4.09	7.00	7.70	2770	3600	1995	5.8	165	65	378	20			286	1	U	747	314	0.7
EP-89	05/13/98	EPRI-9805-154	GW	15.01	4.05	7.29	7.70	2780	2770	1814	2.2	155	62	360	15			264	1	U	797	336	0.77
EP-9	05/07/98	EPRI-9805-178	GW	61.08	1.12	7.10	8.10	2650	3220	1750	6.4	55	23	534	18			218	1	U	729	265	2.3
EP-90	12/12/97	EPRI-9711-139	GW	54.64		7.41	8.10	2920	3700	2138	1958	102	49	588	11			398	1	U	908	281	0.56
EP-90	02/17/98	EPRI-9802-139	GW	53.90	5.13	7.12	7.80	2950	3920	2132	179	117	58	510	9			298	1	U	832	316	0.51
EP-90	05/13/98	EPRI-9805-139	GW	53.59	3.68	7.39	7.80	2900	2740	1930	74	120	55	461	5			283	1	U	828	315	0.6

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EM-1	08/13/97	EPRI-9708-155	GW	77.85	4.05	7.52	7.80	5200	5210	0.23	
EM-1	11/17/97	EPRI-9711-155	GW	77.95	4.96	7.20	8.00	4020	6250	0.073	
EM-1	02/19/98	EPRI-9802-155	GW	74.76	1.64	7.39	7.50	5480	6410	0.054	
EM-1	05/18/98	EPRI-9805-155	GW	71.98	3.15	7.43	7.60	5550	5480	0.05	
EM-2	08/11/97	EPRI-9708-156A	GW	63.80	6.28	7.08			4630		
EM-2	08/26/97	EPRI-9708-156	GW	62.51		7.40	7.90	4550	871	28	
EM-2	11/17/97	EPRI-9711-156	GW	65.88	1.41	7.00	7.70	3960	5150	17	
EM-2	02/17/98	EPRI-9802-156	GW	65.72	1.26	6.90	7.70	4150	5450	20	
EM-2	05/18/98	EPRI-9805-156	GW	63.77	4.29	7.14	7.50	4190	4180	19	
EM-4	08/11/97	EPRI-9708-158A	GW	61.38	2.72	7.28			10570		
EM-4	08/26/97	EPRI-9708-158	GW	89.38		7.50	7.90	10410	2090	0.3	
EM-4	11/17/97	EPRI-9711-158	GW	63.25	2.57	7.10	7.70	11300	14110	0.19	
EM-4	02/17/98	EPRI-9802-157	GW	63.51	1.14	6.97	7.40	11150	14370	0.25	
EM-4	05/18/98	EPRI-9805-157	GW	61.80	1.49	7.23	7.70	9420	10150	0.23	
EM-5	08/11/97	EPRI-9708-159A	GW	14.48	0.96	7.65			5970		
EM-5	08/26/97	EPRI-9708-159	GW	14.49		7.64	8.00	6160	1187	0.15	
EM-5	11/17/97	EPRI-9711-159	GW	14.62	0.79	7.30	7.70	6700	8790	0.05	U
EM-5	02/17/98	EPRI-9802-158	GW	14.45	1.84	7.17	7.70	6990	9310	0.28	
EM-5	05/18/98	EPRI-9805-158	GW	14.36	1.21	7.59	7.90	4920	4950	0.16	
EM-6	08/11/97	EPRI-9708-160	GW	35.55	4.48	7.25	7.90	4520	4480	10	
EM-6	08/11/97	EPRI-9708-173	GW	35.55	4.48	7.25	7.80	4500	4480	8.2	
EM-6	11/17/97	EPRI-9711-160	GW	34.90	0.98	7.15	7.60	4500	5750	6.9	
EM-6	02/17/98	EPRI-9802-159	GW	34.78	0.91	7.04	7.80	4330	5810	9	
EM-6	05/18/98	EPRI-9805-159	GW	35.28	1.57	7.21	7.60	4090	4310	6.6	
EM-6	05/18/98	EPRI-9805-180	GW				7.50	4120		6.9	
EM-7	08/15/97	EPRI-9708-161	GW								
EM-7	11/17/97	EPRI-9711-161	GW	8.56	1.78	7.56	8.40	5700	7070	1.5	
EM-7	02/19/98	EPRI-9802-160	GW	8.63	2.33	7.77	7.80	6020	6810	0.32	
EM-7	05/07/98	EPRI-9805-160	GW	8.50	1.3	7.24	7.80	5560	6960	0.41	
EM-8	08/15/97	EPRI-9708-162	GW								

See last page of APPENDIX G for notes.

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-12	11/03/97	EPRI-9711-104	GW	62.41	1.44	6.80	7.30	5840	7490	21	
EP-12	02/03/98	EPRI-9802-104	GW	63.07	1.55	6.76	7.40	6580	7870	32	
EP-12	05/20/98	EPRI-9805-104	GW	62.00	2.38	7.05	7.60	5280	4820	18	
EP-13	08/07/97	EPRI-9708-105	GW	59.64	5.56	7.35	7.70	12500	12410	104	
EP-13	11/06/97	EPRI-9711-105	GW	60.08	4.01	7.11	7.80	12210	14320	105	
EP-13	02/17/98	EPRI-9802-105	GW	60.03	0.182	6.95	7.70	11910	14100	103	
EP-13	05/07/98	EPRI-9805-105	GW	59.29	2.79	6.96	7.70	11440	10900	82	
EP-14	11/05/97	EPRI-9711-106	GW	59.80	0.4	6.91	7.50	4430	5020	19	
EP-14	02/17/98	EPRI-9802-106	GW	60.03	0.35	6.76	7.50	4520	6090	17	
EP-14	05/07/98	EPRI-9805-106	GW	58.58	1.60	6.86	7.40	4660	5500	13	
EP-15	08/07/97	EPRI-9708-107	GW	58.64	2.84	7.20	7.80	3150	2830	23	
EP-15	11/06/97	EPRI-9711-107	GW	58.55	2.37	7.30	7.90	3060	3180	12	
EP-15	02/17/98	EPRI-9802-107	GW	58.61	2.45	7.12	7.70	3100	3980	17	
EP-15	05/07/98	EPRI-9805-107	GW	58.22	2.47	7.35	7.80	2960	3320	18	
EP-20	08/07/97	EPRI-9708-108	GW	13.67	1.98	6.72	7.40	11160	11270	235	
EP-20	11/03/97	EPRI-9711-108	GW	17.06	2.56	7.05	7.30	10760	12760	107	
EP-20	02/03/98	EPRI-9802-108	GW	16.98	2.36	7.06	7.40	10800	13110	201	
EP-20	05/06/98	EPRI-9805-108	GW	14.39	3.49	7.22	7.50	10510	10580	183	
EP-21	11/18/97	EPRI-9711-109	GW	28.35			7.80	6260		0.05	U
EP-21	02/18/98	EPRI-9802-109	GW	26.30	0.65	7.30	8.00	5980	8000	0.05	U
EP-21	05/21/98	EPRI-9805-109	GW	27.80	0.41	7.26	7.80	5740	1096	0.1	U
EP-22	08/15/97	EPRI-9708-110	GW	37.35	2.92	7.46	7.90	8540	8510	100	
EP-22	11/18/97	EPRI-9711-110	GW	35.80	1.01	7.16	7.40	9980	12900	158	
EP-22	02/18/98	EPRI-9802-110	GW	35.10	3.75	7.49	7.60	9900	11910	294	
EP-22	06/10/98	EPRI-9806-201	GW	36.04	2.26	7.63	7.70	9520	9560	210	
EP-23	08/11/97	EPRI-9708-111	GW	29.67	1.17	7.36	7.50	6790	6640	0.3	
EP-23	11/04/97	EPRI-9711-111	GW	25.10	0.73	7.51	7.70	6130	6810	0.16	
EP-23	02/04/98	EPRI-9802-111	GW	23.73	1.45	7.42	7.70	6190	7190	0.14	
EP-23	05/11/98	EPRI-9805-111	GW	24.37	0.88	7.13	7.60	5500	5790	0.05	
EP-24	08/15/97	EPRI-9708-112	GW	32.55	1.13	6.70	8.00	5150	4660	0.05	U
EP-24	11/18/97	EPRI-9711-112	GW	26.64			7.70	5940		0.05	U
EP-24	02/18/98	EPRI-9802-112	GW	21.70	1.26	6.74	8.10	5130	5820	0.05	U

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-24	05/21/98	EPRI-9805-112	GW	34.56	0.80	6.95	7.50	5380	999	0.1	U
EP-25	08/15/97	EPRI-9708-113	GW	47.16	1.32	7.13	7.40	5990	5730	0.94	
EP-25	11/19/97	EPRI-9711-113	GW	46.19			7.80	5470		0.05	U
EP-25	02/18/98	EPRI-9802-113	GW	46.51			7.60	5420		0.05	U
EP-25	05/21/98	EPRI-9805-113	GW	47.88			7.50	5760	0	0.1	U
EP-26	08/11/97	EPRI-9708-114	GW	48.80	5.26	7.69	7.20	544	568	2.3	
EP-26	11/04/97	EPRI-9711-114	GW	56.70	5.05	7.15	7.30	1700	1900	3.9	
EP-26	02/04/98	EPRI-9802-114	GW	50.44	5.74	7.58	7.40	202	239	1.4	
EP-26	05/07/98	EPRI-9805-114	GW	48.86	6.30	7.64	7.00	141	170	1.8	
EP-29	08/07/97	EPRI-9708-115	GW	13.35	2.77	7.41	8.00	3090	3110	7.6	
EP-29	11/03/97	EPRI-9711-115	GW	16.92	0.52	7.09	7.90	2960	3610	6.3	
EP-29	02/03/98	EPRI-9802-115	GW	16.95	0.68	7.47	8.00	3100	3890	8.1	
EP-29	05/06/98	EPRI-9805-115	GW	13.80	4.14	7.59	8.00	3180	3470	7.5	
EP-35	08/07/97	EPRI-9708-116	GW	13.43	5.98	7.55	8.00	6530	6150	67	
EP-35	11/03/97	EPRI-9711-116	GW	17.28	1.75	6.92	7.50	6340	7420	86	
EP-35	02/03/98	EPRI-9802-116	GW	17.48	2.11	6.99	7.60	6760	7940	82	
EP-35	05/06/98	EPRI-9805-116	GW	14.48	2.47	7.15	7.20	6530	6950	69	
EP-4	08/06/97	EPRI-9708-100	GW	5.28	1.51	7.06	7.70	2350	2230	0.093	
EP-4	11/04/97	EPRI-9711-100	GW	6.32	1	7.46	7.80	1656	1906	0.05	U
EP-4	02/04/98	EPRI-9802-100	GW	5.00	1.91	7.58	8.00	1595	1563	0.05	U
EP-4	05/05/98	EPRI-9805-100	GW	5.75	3.20	7.95	7.90	1831	1670	0.05	U
EP-43	11/03/97	EPRI-9711-172	GW	59.63	0.52	7.31	7.60	4950	5830	0.05	U
EP-43	02/03/98	EPRI-9802-175	GW	60.84	0.03	7.09	7.50	9590	11980	0.05	U
EP-43	05/20/98	EPRI-9805-175	GW	60.75	1.50	7.07	7.50	4930	4480	8	
EP-49	11/19/97	EPRI-9711-117	GW	64.02			3.50	11740		0.2	U
EP-49	02/19/98	EPRI-9802-117	GW	65.35			4.00	11440		0.05	U
EP-49	05/21/98	EPRI-9805-117	GW	63.53			3.60	10920		0.1	
EP-5	08/06/97	EPRI-9708-101	GW	5.78	1.29	7.47	7.70	3350	3330	0.05	U
EP-5	11/04/97	EPRI-9711-101	GW	5.82	2.52	7.58	8.00	3100	3700	0.05	U
EP-5	02/04/98	EPRI-9802-101	GW	5.51	0.68	7.58	8.10	3070	3060	0.14	
EP-5	05/05/98	EPRI-9805-101	GW	6.31	5.22	7.81	8.00	2980	2560	0.055	

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-51	08/11/97	EPRI-9708-118A	GW	48.82	0.7	6.73			10400		
EP-51	08/26/97	EPRI-9708-118	GW	49.12	9.4	7.25	7.30	11800	10630	115	
EP-51	11/06/97	EPRI-9711-118	GW	48.80	2.35	6.58	7.30	11670	12140	138	
EP-51	11/06/97	EPRI-9711-174	GW	48.80			7.20	11440		134	
EP-51	02/12/98	EPRI-9802-118	GW	48.56	0.03	5.85	6.90	11070	13050	133	
EP-51	05/11/98	EPRI-9805-118	GW	48.73	1.42	6.29	8.20	11800	9890	146	
EP-52	11/06/97	EPRI-9711-173	GW	45.92	6.54	6.10	7.10	9750	11000	157	
EP-52	02/12/98	EPRI-9802-176	GW	45.88	2	6.03	6.90	10870	13320	130	
EP-53	08/11/97	EPRI-9708-172	GW	67.60	7.74	6.58	7.20	7790	7300	122	
EP-53	02/04/98	EPRI-9802-178	GW	66.14	1.43	6.43	7.00	7590	9580	97	
EP-53	06/10/98	EPRI-9806-200	GW	67.15	2.17	6.68	6.90	7470	7780	125	
EP-54	08/11/97	EPRI-9708-119A	GW	68.58	1.64	6.06			10470		
EP-54	08/26/97	EPRI-9708-119	GW	68.59		6.60	6.90	11340	1980	0.24	
EP-54	11/06/97	EPRI-9711-119	GW	69.05	2.51	6.14	6.80	10750	12010	0.3	
EP-54	02/12/98	EPRI-9802-119	GW	69.90	1.94	5.98	7.40	10100	11060	3.1	
EP-54	05/11/98	EPRI-9805-119	GW	69.25	1.93	6.20	7.10	9780	11910	2.8	
EP-55	08/15/97	EPRI-9708-120	GW	54.35	1.85	6.17	7.00	10550	10700	0.05	U
EP-55	11/19/97	EPRI-9711-120	GW	54.19	2.12	6.25	6.90	10480	12860	0.05	U
EP-55	02/12/98	EPRI-9802-120	GW	53.96	1.21	5.95	6.90	10510	14030	0.05	U
EP-55	05/20/98	EPRI-9805-120	GW	54.35	1.93	6.06	6.70	10280	10320	0.1	
EP-56	08/11/97	EPRI-9708-121A	GW	49.23	2.51	7.34			5470		
EP-56	08/26/97	EPRI-9708-121	GW	48.70		7.25	7.60	5600	1063	0.77	
EP-56	11/04/97	EPRI-9711-121	GW	48.51	0.77	7.12	7.60	5520	5930	2	
EP-56	02/04/98	EPRI-9802-121	GW	49.06	1.81	7.14	7.80	5520	6620	2.5	
EP-56	05/07/98	EPRI-9805-121	GW	48.92	1.08	7.03	7.60	5500	7170	3.2	
EP-57	08/16/97	EPRI-9708-122	GW	8.53	1	7.30	7.90	3330	3370	3.8	
EP-57	11/14/97	EPRI-9711-122	GW	9.64	1.72	7.01	7.40	3070	3500	1.5	
EP-57	02/18/98	EPRI-9802-122	GW	9.85	0.78	7.01	7.50	2900	3530	0.2	
EP-57	05/18/98	EPRI-9805-122	GW	9.17	1.01	7.18	7.50	2610	2440	0.16	
EP-58	08/16/97	EPRI-9708-123	GW	12.90	0.24	6.54	6.90	11230	11340	0.05	U
EP-58	11/14/97	EPRI-9711-123	GW	15.10	0.84	6.54	6.90	11480	14130	0.05	U
EP-58	02/18/98	EPRI-9802-123	GW	15.76	0.79	6.38	6.80	11510	13740	0.05	U
EP-58	05/18/98	EPRI-9805-123	GW	13.98	0.43	6.35	6.80	11500	11490	0.05	U

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-59	08/09/97	EPRI-9708-124	GW	12.90	2.08	6.98	7.70	4780	4750	7.7	
EP-59	11/05/97	EPRI-9711-124	GW	13.20	0.2	7.23	7.60	4660	5340	8.8	
EP-59	02/05/98	EPRI-9802-124	GW	13.66	1.06	7.09	7.30	4640	5630	10	
EP-59	05/08/98	EPRI-9805-124	GW	13.20	1.33	7.13	7.70	4800	5600	13	
EP-6	08/06/97	EPRI-9708-102	GW	6.70	1.47	7.34	7.90	7320	7240	11	
EP-6	11/04/97	EPRI-9711-102	GW	7.80	1.03	7.44	7.90	7010	7440	17	
EP-6	02/04/98	EPRI-9802-102	GW	7.61	3.1	7.53	8.00	6060	997	0.05	U
EP-6	05/05/65	EPRI-9805-102	GW	7.48	3.00	7.62	8.00	5810	4950	0.35	
EP-60	08/08/97	EPRI-9708-125	GW	9.00	2.44	6.98	7.50	9140	8840	90	
EP-60	11/05/97	EPRI-9711-125	GW	10.02	0.16	6.99	7.50	8560	9660	90	
EP-60	02/05/98	EPRI-9802-125	GW	10.17	1.7	6.95	7.30	8780	10210	109	
EP-60	05/08/98	EPRI-9805-125	GW	9.22	1.23	7.24	7.60	8880	9880	76	
EP-61	08/16/97	EPRI-9708-126	GW	9.58	2.3	7.15	7.90	9290	9210	154	
EP-61	11/14/97	EPRI-9711-126	GW	12.63	1.71	6.93	7.20	9080	11290	164	
EP-61	02/18/98	EPRI-9802-126	GW	11.84	1.68	6.85	7.30	9200	10350	207	
EP-61	02/18/98	EPRI-9802-180	GW	11.84	1.68	6.85	7.40	9190	10350	210	
EP-61	05/18/98	EPRI-9805-126	GW	10.73	0.51	6.95	7.30	8860	8810	156	
EP-62	08/09/97	EPRI-9708-127	GW	7.32	1.45	7.10	7.70	5050	5030	9.8	
EP-62	11/05/97	EPRI-9711-127	GW	9.55	1.16	7.09	7.70	5050	5580	7.3	
EP-62	02/05/98	EPRI-9802-127	GW	9.64	3.07	7.16	7.40	5460	5980	17	
EP-62	05/08/98	EPRI-9805-127	GW	7.62	2.87	7.21	7.70	4820	5480	11	
EP-63	08/09/97	EPRI-9708-128	GW	6.62	2.83	7.13	7.80	8100	880	25	
EP-63	11/05/97	EPRI-9711-128	GW	93.00	0.33	7.16	7.80	8260	9220	21	
EP-63	02/05/98	EPRI-9802-128	GW	9.42	2.23	7.08	7.40	8210	9590	18	
EP-63	05/08/98	EPRI-9805-128	GW	6.95	1.58	7.15	7.60	8390	9360	14	
EP-64	08/09/97	EPRI-9708-129	GW	10.18	3.96	7.39	7.80	8590	9700	77	
EP-64	11/05/97	EPRI-9711-129	GW	12.05	0.19	7.25	7.80	11000	13050	114	
EP-64	02/05/98	EPRI-9802-129	GW	12.27	3.76	7.98	7.90	10420	10800	136	
EP-64	05/08/98	EPRI-9805-129	GW	10.45	2.60	6.82	8.00	10000	10940	120	
EP-65	08/16/97	EPRI-9708-130	GW	8.25	0.35	7.15	7.70	7420	7360	30	
EP-65	11/14/97	EPRI-9711-130	GW	10.94	1.4	7.02	7.60	7380	9180	66	
EP-65	02/18/98	EPRI-9802-130	GW	10.73	0.84	7.07	7.50	7500	9190	58	

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-65	05/18/98	EPRI-9805-130	GW	8.52	0.56	7.10	7.30	7440	7310	35	
EP-66	08/08/97	EPRI-9708-131	GW	10.02	6.7	7.05	7.50	8390	8370	40	
EP-66	11/05/97	EPRI-9711-131	GW	11.85	1.3	6.80	7.50	7920	9020	44	
EP-66	02/05/98	EPRI-9802-131	GW	11.21	4.42	7.09	7.60	7220	8290	44	
EP-66	05/08/98	EPRI-9805-131	GW	10.37	2.99	7.39	7.70	7690	8980	45	
EP-67	08/12/97	EPRI-9708-132	GW	41.62	1.5	6.74	7.60	4400	4490	18	
EP-67	11/07/97	EPRI-9711-132	GW	41.62	0.9	6.84	7.40	4460	5000	17	
EP-67	02/11/98	EPRI-9802-132	GW	43.95	1.71	6.66	7.30	4470	5820	19	
EP-67	02/11/98	EPRI-9802-179	GW	43.95	1.71	6.66	7.30	4480	5820	19	
EP-67	05/12/98	EPRI-9805-132	GW	41.72	0.94	6.94	7.20	4440	4450	17	
EP-68	08/14/97	EPRI-9708-133	GW	63.10	6.38	7.14	7.70	5430	5290	24	
EP-68	08/14/97	EPRI-9708-174	GW	63.10	6.38	7.14	7.70	5330	5290	25	
EP-68	11/11/97	EPRI-9711-133	GW	62.85	6.09	7.11	7.30	5440	5590	24	
EP-68	02/11/98	EPRI-9802-133	GW	63.20	7.59	6.93	7.70	4980	6080	33	
EP-68	05/13/98	EPRI-9805-133	GW	63.10	5.87	7.17	7.40	5690	5320	23	
EP-68	05/13/98	EPRI-9805-179	GW				8.10	5740		21	
EP-7	08/06/97	EPRI-9708-103	GW	6.02	1.66	7.17	7.80	2810	2580	0.05	U
EP-7	11/04/97	EPRI-9711-103	GW	7.65	1.55	7.36	7.90	2710	2850	0.05	U
EP-7	02/04/98	EPRI-9802-103	GW	6.62	1.62	7.30	7.90	2810	501	0.076	
EP-7	05/05/98	EPRI-9805-103	GW	6.94	3.73	7.67	7.80	2890	2500	0.05	
EP-70	11/07/97	EPRI-9711-135	GW	62.12	0.75	6.91	7.50	6740	7510	62	
EP-70	02/11/98	EPRI-9802-135	GW	62.30	0.56	6.79	7.40	6600	8480	78	
EP-70	05/12/98	EPRI-9805-135	GW	61.95	0.38	7.07	7.40	6290	6210	46	
EP-70R	08/12/97	EPRI-9708-135A	GW	61.65	0.52	6.84			7150		
EP-70R	08/26/97	EPRI-9708-135	GW	61.50		7.19	7.90	6970	1291	62	
EP-70R	08/26/97	EPRI-9708-180	GW	61.50		7.19	7.60	6970	1291	59	
EP-71	11/07/97	EPRI-9711-136	GW	50.38	0.54	6.85	7.50	6470	7180	99	
EP-71	02/11/98	EPRI-9802-136	GW	50.63	0.82	6.70	7.50	6770	8670	114	
EP-71	05/12/98	EPRI-9805-136	GW	50.22	0.39	6.99	7.30	6440	6400	46	
EP-71R	08/12/97	EPRI-9708-136	GW	49.90	0.43	6.79	7.50	6480	6560	89	
EP-72	08/12/97	EPRI-9708-137	GW	61.40	0.37	6.77	7.80	6220	6300	58	

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N
EP-72	11/07/97	EPRI-9711-137	GW	61.72	0.95	6.86	7.40	6040	6810	59
EP-72	02/11/98	EPRI-9802-137	GW	61.85	0.72	6.72	7.40	6030	7900	53
EP-72	05/13/98	EPRI-9805-137	GW	61.70	0.29	7.02	7.50	6030	5970	44
EP-73	08/12/97	EPRI-9708-138	GW	70.75	5.73	6.88	7.90	6760	6760	25
EP-73	11/13/97	EPRI-9711-138	GW	70.20	1.2	6.91	7.40	6520	8610	23
EP-73	02/12/98	EPRI-9802-138	GW	71.25	0.97	6.84	7.60	6850	9340	24
EP-73	05/11/98	EPRI-9805-138	GW	71.10	1.43	6.62	7.70	6900	7810	22
EP-74	08/13/97	EPRI-9708-139	GW	52.33	9.41	7.42	8.00	2550	2530	5.9
EP-75	08/12/97	EPRI-9708-140	GW	57.10	1.54	6.84	7.40	19620	18940	191
EP-75	11/13/97	EPRI-9711-140	GW	55.38	1.96	6.82	7.20	18340	21300	193
EP-75	02/06/98	EPRI-9802-140	GW	55.45	1.11	6.86	7.20	19240	23900	178
EP-75	05/11/98	EPRI-9805-140	GW	56.22	2.40	6.52	7.50	20000	20000	148
EP-76	08/12/97	EPRI-9708-141	GW	51.35	0.35	7.39	8.00	5110	5170	5.2
EP-76	11/11/97	EPRI-9711-141	GW	49.97	0.16	7.21	7.50	4670	5050	4.6
EP-76	02/06/98	EPRI-9802-141	GW	49.22	0.34	7.22	7.60	4800	6000	4.7
EP-76	05/11/98	EPRI-9805-141	GW	50.70	1.04	7.22	7.70	5000	5390	5
EP-77	08/12/97	EPRI-9708-142	GW	41.90	3.83	6.98	8.40	5400	5350	0.67
EP-77	11/13/97	EPRI-9711-142	GW	41.20	1.5	7.02	7.60	5350	6550	13
EP-77	11/13/97	EPRI-9711-178	GW	41.20			7.60	5360		0.59
EP-77	02/12/98	EPRI-9802-142	GW	40.70	1.1	7.00	7.50	5330	6910	0.4
EP-77	05/13/98	EPRI-9805-142	GW	41.10	0.71	7.23	7.50	5070	5320	0.4
EP-78	08/13/97	EPRI-9708-143	GW	31.26	0.25	7.78	8.00	2600	2640	7.6
EP-78	11/18/97	EPRI-9711-143	GW	31.10	0.74	7.77	7.90	2310	2940	9.2
EP-78	11/18/97	EPRI-9711-179	GW	31.10			7.90	2320		8.7
EP-78	02/06/98	EPRI-9802-143	GW	31.13	0.73	7.69	7.90	2940	3780	11
EP-78	05/14/98	EPRI-9805-143	GW	33.05	0.82	7.70	8.00	3730	3750	11
EP-79	08/13/97	EPRI-9708-144	GW	46.00	1.06	7.47	8.00	4890	4870	9.5
EP-79	11/18/97	EPRI-9711-144	GW	45.20	0.77	7.43	8.20	4900	6500	10
EP-79	02/06/98	EPRI-9802-144	GW	45.09	0.63	7.42	7.90	4940	6700	11
EP-79	05/14/98	EPRI-9805-144	GW	47.01	0.43	7.52	7.80	5080	5150	9.9
EP-80	08/13/97	EPRI-9708-145	GW	10.68	0.31	7.23	7.70	5040	5040	1.4
EP-80	11/17/97	EPRI-9711-145	GW	11.83	2.9	7.05	7.90	5100	6840	5

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N
EP-80	02/05/98	EPRI-9802-145	GW	11.98	0.88	7.14	7.40	5040	6190	7.1
EP-80	05/13/98	EPRI-9805-145	GW	11.13	0.68	7.26	7.60	4960	5020	5.2
EP-81	08/13/97	EPRI-9708-146	GW	17.95	2.82	7.01	7.70	2550	2530	6.2
EP-81	11/17/97	EPRI-9711-146	GW	18.42	2.88	6.90	7.80	2390	3290	8.2
EP-81	02/05/98	EPRI-9802-146	GW	18.81	2.94	7.00	7.50	2560	2980	9.4
EP-81	05/14/98	EPRI-9805-149	GW	18.42	3.44	7.04	7.40	2540	2630	7.9
EP-82	08/13/97	EPRI-9708-147	GW	17.42	1.31	7.06	7.70	3980	3960	8.9
EP-82	11/18/97	EPRI-9711-147	GW	16.13	2.15	7.03	8.00	3250	4070	6.4
EP-82	02/11/98	EPRI-9802-147	GW	15.50	1.73	6.94	7.60	4320	5360	9.1
EP-82	05/14/98	EPRI-9805-147	GW	16.92	0.67	7.12	7.60	4740	4780	10
EP-83	08/13/97	EPRI-9708-148	GW	28.00	5.75	7.47	8.00	3940	3960	8.2
EP-83	11/18/97	EPRI-9711-148	GW	27.52	4.42	7.36	8.20	3940	4930	6.5
EP-83	02/06/98	EPRI-9802-148	GW	27.14	6.33	7.51	7.80	3720	4670	7.6
EP-83	05/13/98	EPRI-9805-148	GW	27.91	4.85	7.51	7.80	3840	3880	9.1
EP-84	08/13/97	EPRI-9708-149	GW	7.15	3.33	7.39	7.90	1958	1908	8.4
EP-84	11/18/97	EPRI-9711-149	GW	7.58	1.37	7.16	8.10	2650	3260	7.2
EP-84	02/06/98	EPRI-9802-149	GW	7.48	1.35	7.18	7.40	2990	3470	11
EP-84	05/13/98	EPRI-9805-146	GW	8.38	2.28	7.22	7.50	3040	3050	10
EP-85	08/13/97	EPRI-9708-150	GW	15.40	0.32	7.33	8.00	2900	2890	7.3
EP-85	11/17/97	EPRI-9711-150	GW	13.60	0.35	7.30	8.00	2300	2950	5.8
EP-85	02/05/98	EPRI-9802-150	GW	19.25	0.61	7.34	7.70	2600	3140	7.5
EP-85	05/14/98	EPRI-9805-150	GW	15.49	0.52	7.39	7.70	2970	3010	7.1
EP-86	08/13/97	EPRI-9708-151	GW	49.30	7.68	7.63	8.00	2630	2610	6.6
EP-86	11/18/97	EPRI-9711-151	GW	49.27	5.56	7.54	8.30	2650	3240	5.9
EP-86	02/06/98	EPRI-9802-151	GW	48.74	6	7.53	7.80	2640	3300	5.8
EP-86	05/14/98	EPRI-9805-151	GW	48.83	8.01	7.70	7.90	2640	2670	5.6
EP-87	09/15/97	EPRI-9708-152	GW				7.50	546		1.5
EP-87	11/18/97	EPRI-9711-152	GW	11.47	4.7	7.49	8.20	560	685	2.2
EP-87	02/06/98	EPRI-9802-152	GW							
EP-88	08/12/97	EPRI-9708-153	GW	29.52	0.73	7.35	8.40	5150	5370	1.7
EP-88	11/11/97	EPRI-9711-153	GW	28.12	0.43	7.41	7.90	5240	5980	1
EP-88	02/12/98	EPRI-9802-153	GW	27.73	1.53	7.24	7.80	5320	6600	0.81

TABLE G-2

ANALYTICAL RESULTS FOR NUTRIENTS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	NO3+N02 as N	
EP-88	05/11/98	EPRI-9805-153	GW	28.53	1.21	7.60	8.00	5370	5860	0.95	
EP-89	08/12/97	EPRI-9708-154	GW	15.10	5.34	7.04	7.90	2780	2800	8.3	
EP-89	11/13/97	EPRI-9711-154	GW	15.26	3.98	7.12	7.40	2770	3350	9	
EP-89	02/11/98	EPRI-9802-154	GW	15.12	4.09	7.00	7.70	2770	3600	9.8	
EP-89	05/13/98	EPRI-9805-154	GW	15.01	4.05	7.29	7.70	2780	2770	7.7	
EP-9	05/07/98	EPRI-9805-178	GW	61.08	1.12	7.10	8.10	2650	3220	12.00	
EP-90	12/12/97	EPRI-9711-139	GW	54.64		7.41	8.10	2920	3700	10	
EP-90	02/17/98	EPRI-9802-139	GW	53.90	5.13	7.12	7.80	2950	3920	14	
EP-90	05/13/98	EPRI-9805-139	GW	53.59	3.68	7.39	7.80	2900	2740	12	

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EM-1	08/13/97	EPRI-9708-155	GW	77.85	4.05	7.52	7.80	5200	5210	0.011		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.017		0.029	
EM-1	11/17/97	EPRI-9711-155	GW	77.95	4.96	7.20	8.00	4020	6250	0.007		0.005	U	0.005	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
EM-1	02/19/98	EPRI-9802-155	GW	74.76	1.64	7.39	7.50	5480	6410	0.056		0.005	U	0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.005	U	0.02	U,UJ4
EM-1	05/18/98	EPRI-9805-155	GW	71.98	2.15	7.43	7.60	5550	5480	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	
EM-2	08/11/97	EPRI-9708-156A	GW	63.80	6.28	7.08			4630																
EM-2	08/26/97	EPRI-9708-156	GW	62.51		7.40	7.90	4550	871	0.84		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.025	
EM-2	11/17/97	EPRI-9711-156	GW	65.88	1.41	7.00	7.70	3960	5150	0.57		0.005	U	0.005	U	0.025	U	0.1	U	0.003	U	0.11		0.023	
EM-2	02/17/98	EPRI-9802-156	GW	65.72	1.26	6.90	7.70	4150	5450	0.55		0.005	U	0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.12		0.02	U,UJ4
EM-2	05/18/98	EPRI-9805-156	GW	63.77	4.29	7.14	7.50	4190	4180	0.58		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.13		0.02	U
EM-4	08/11/97	EPRI-9708-158A	GW	61.38	2.72	7.28			10570																
EM-4	08/26/97	EPRI-9708-158	GW	89.38		7.50	7.90	10410	2090	0.009		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.011		0.031	
EM-4	11/17/97	EPRI-9711-158	GW	63.25	2.57	7.10	7.70	11300	14110	0.005	U	0.005	U	0.005	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
EM-4	02/17/98	EPRI-9802-157	GW	63.51	1.14	6.97	7.40	11150	14370	0.009		0.008		0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.005	U	0.02	U,UJ4
EM-4	05/18/98	EPRI-9805-157	GW	61.80	1.49	7.23	7.70	9420	10150	0.019		0.005	U	0.01	U	0.071		0.1	U	0.003	U	0.005	U	0.032	
EM-5	08/11/97	EPRI-9708-159A	GW	14.48	0.96	7.65			5970																
EM-5	08/26/97	EPRI-9708-159	GW	14.49		7.64	8.00	6160	1187	1.6		0.08		0.01	U	0.046		0.55		0.01		0.027		0.31	
EM-5	11/17/97	EPRI-9711-159	GW	14.62	0.79	7.30	7.70	6700	8790	1.7		0.069		0.005	U	0.025	U	1.8		0.006		0.009		0.31	
EM-5	02/17/98	EPRI-9802-158	GW	14.45	1.84	7.17	7.70	6990	9310	1.6		0.066		0.01	U	0.03		2.4		0.009		0.012		0.38	
EM-5	05/18/98	EPRI-9805-158	GW	14.36	1.21	7.59	7.90	4920	4950	1.7		0.017		0.01	U	0.025		1.3		0.005		0.013		0.17	
EM-6	08/11/97	EPRI-9708-160	GW	35.55	4.48	7.25	7.90	4520	4480	0.03		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.11		0.03	
EM-6	08/11/97	EPRI-9708-173	GW	35.55	4.48	7.25	7.80	4500	4480	0.027		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.11		0.027	
EM-6	11/17/97	EPRI-9711-160	GW	34.90	0.98	7.15	7.60	4500	5750	0.026		0.005	U	0.005	U	0.045		0.1	U	0.003	U	0.11		0.039	
EM-6	02/17/98	EPRI-9802-159	GW	34.78	0.91	7.04	7.80	4330	5810	0.028		0.006		0.01	U	0.043		0.1	U,UJ4	0.003	U	0.1		0.045	J4
EM-6	05/18/98	EPRI-9805-159	GW	35.28	1.57	7.21	7.60	4060	4310	0.025		0.005	U	0.01	U	0.045		0.1	U	0.003	U	0.099		0.052	
EM-6	05/18/98	EPRI-9805-180	GW				7.50	4120		0.024		0.005	U	0.01	U	0.044		0.1	U	0.003	U	0.098		0.044	
EM-7	08/15/97	EPRI-9708-161	GW																						
EM-7	11/17/97	EPRI-9711-161	GW	8.56	1.78	7.56	8.40	5700	7070	1.7		0.021		0.008		0.067		0.35		0.058		0.13		0.11	
EM-7	02/19/98	EPRI-9802-160	GW	8.63	2.33	7.77	7.80	6020	6810	2.1		0.009		0.01	U	0.055		0.34	J4	0.03		0.055		0.078	J4
EM-7	05/07/98	EPRI-9805-160	GW	8.50	1.3	7.24	7.80	5560	6960	1.8		0.018		0.01	U	0.073		0.2		0.039		0.055		0.11	
EM-8	08/15/97	EPRI-9708-162	GW																						
EP-12	11/03/97	EPRI-9711-104	GW	62.41	1.44	6.80	7.30	5840	7490	1.3		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	6.9		0.022	
EP-12	02/03/98	EPRI-9802-104	GW	63.07	1.55	6.76	7.40	6580	7870	1.2		0.005	U	0.01	U	0.025	U	0.15	J4	0.003	U	1.7		0.02	U,UJ4
EP-12	05/20/98	EPRI-9805-104	GW	62.00	2.38	7.05	7.60	5280	4820	1		0.005	U	0.01	U	0.031		0.1	U	0.004	U	0.57		0.031	
EP-13	08/07/97	EPRI-9708-105	GW	59.64	5.56	7.35	7.70	12500	12410	49		0.82		0.01	U	0.025	U	0.1	U	0.008		7		0.052	J2
EP-13	11/06/97	EPRI-9711-105	GW	60.08	4.01	7.11	7.80	12210	14320	46		0.8		0.01	U	0.025	U	0.15		0.003	U	6.7		0.033	
EP-13	02/17/98	EPRI-9802-105	GW	60.03	0.18	6.95	7.70	11910	14100	48		0.68		0.01	U	0.027		0.1	U,UJ4	0.003	U	6.1		0.025	J4
EP-13	05/07/98	EPRI-9805-105	GW	59.29	2.79	6.96	7.70	11440	10900	36		0.71		0.01	U	0.025		0.1	U	0.003	U	5.7		0.059	
EP-14	11/05/97	EPRI-9711-106	GW	59.80	0.4	6.91	7.50	4430	5020	1.1		0.005	U	0.01	U	0.025	U	0.1		0.003	U	0.36		0.02	U
EP-14	02/17/98	EPRI-9802-106	GW	60.03	0.35	6.76	7.50	4520	6090	1.3		0.005	U	0.01	U	0.025	U	0.17	J4	0.004		0.3		0.02	U,UJ4
EP-14	05/07/98	EPRI-9805-106	GW	58.58	1.60	6.86	7.40	4660	5500	1.4		0.005	U	0.01	U	0.025	U	0.15		0.004		0.23		0.046	

See last page of APPENDIX G for notes.

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-15	08/07/97	EPRI-9708-107	GW	58.64	2.84	7.20	7.80	3150	2830	0.076		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.17		0.022	J2
EP-15	11/06/97	EPRI-9711-107	GW	58.55	2.37	7.30	7.90	3060	3180	0.013		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.021	
EP-15	02/17/98	EPRI-9802-107	GW	58.61	2.45	7.12	7.70	3100	3980	0.031		0.016		0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.16		0.02	U,UJ4
EP-15	05/07/98	EPRI-9805-107	GW	58.22	2.47	7.35	7.80	2960	3320	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.2		0.031	
EP-20	08/07/97	EPRI-9708-108	GW	13.67	1.98	6.72	7.40	11160	11270	1.2		0.036		0.01	U	0.025	U	0.1	U	0.003	U	0.38		0.057	J2
EP-20	11/03/97	EPRI-9711-108	GW	17.06	2.56	7.05	7.30	10760	12760	1.2		0.04		0.01	U	0.026		0.1	U	0.003	U	0.35		0.059	
EP-20	02/03/98	EPRI-9802-108	GW	16.98	2.36	7.06	7.40	10800	13110	0.96		0.048		0.01	U	0.036	J4	0.11	J4	0.003	U	0.37		0.063	J4
EP-20	05/06/98	EPRI-9805-108	GW	14.39	3.49	7.22	7.50	10510	10580	0.85		0.042		0.01	U	0.03		0.1	U	0.003	U	0.34		0.098	
EP-21	11/18/97	EPRI-9711-109	GW	28.35			7.80	6260		0.067		0.005	U	0.01	U	0.025	U	0.39		0.003	U	0.073		0.031	
EP-21	02/18/98	EPRI 9802-109	GW	26.30	0.65	7.30	8.00	5980	8000	0.062	J4	0.005	U	0.01	U	0.025	U	0.17	J4,J4	0.003	U	0.095		0.038	J4
EP-21	05/21/98	EPRI-9805-109	GW	27.80	0.41	7.26	7.80	5740	1096	0.052		0.005	U	0.01	U	0.025	U	0.34		0.004	U	0.018		0.028	
EP-22	08/15/97	EPRI-9708-110	GW	37.35	2.92	7.46	7.90	8540	8510	0.035		0.006		0.01	U	0.031		0.1	U	0.016		0.32		0.64	
EP-22	11/18/97	EPRI-9711-110	GW	35.80	1.01	7.16	7.40	9980	12900	0.044		0.005	U	0.01	U	0.025	U	0.1	U	0.006		0.11		0.97	
EP-22	02/18/98	EPRI-9802-110	GW	35.10	3.75	7.49	7.60	9900	11910	0.035	J4	0.005		0.01	U	0.035		0.1	UJ4,U	0.018		0.59		2.1	
EP-22	06/10/98	EPRI-9806-20	GW	36.04	2.26	7.63			9560																
EP-23	08/11/97	EPRI-9708-111	GW	29.67	1.17	7.36	7.50	6790	6640	2.5		0.005	U	0.01	U	0.025	U	0.65		0.003	U	0.027		0.027	
EP-23	11/04/97	EPRI-9711-111	GW	25.10	0.73	7.51	7.70	6130	6810	4		0.005	U	0.01	U	0.025	U	0.46		0.003	U	0.023		0.028	
EP-23	02/04/98	EPRI 9802-111	GW	23.73	1.45	7.42	7.70	6190	7190	1.5		0.005	U	0.01	U	0.025	U	0.25	J4	0.003	U	0.019		0.02	U,UJ4
EP-23	05/11/98	EPRI-9805-111	GW	24.37	0.88	7.13	7.60	5500	5790	4.2		0.005	U	0.01	U	0.025	U	0.63		0.003	U	0.011		0.045	
EP-24	08/15/97	EPRI-9708-112	GW	32.55	1.13	6.70	8.00	5150	4660	0.47		0.005	U	0.01	U	0.025	U	4.4		0.003	U	0.014		0.035	
EP-24	11/18/97	EPRI-9711-112	GW	26.64			7.70	5940		0.071		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.079		0.02	U
EP-24	02/18/98	EPRI-9802-112	GW	21.70	1.26	6.74	8.10	5130	5820	0.031	J4	0.005	U	0.01	U	0.025	U	0.2	J4,J4	0.003	U	0.005	U	0.02	U,UJ4
EP-24	05/21/98	EPRI-9805-112	GW	34.56	0.80	6.95	7.50	5380	999	0.38		0.005	U	0.01	U	0.12		0.81		0.004	U	0.005	U	0.33	
EP-25	08/15/97	EPRI-9708-113	GW	47.16	1.32	7.13	7.40	5990	5730	3		0.005	U	0.01	U	0.025	U	2.6		0.003	U	0.17		0.021	
EP-25	11/19/97	EPRI-9711-113	GW	46.19			7.80	5470		3.5		0.005	U	0.01	U	0.025	U	4.8		0.011		0.079		0.037	
EP-25	02/18/98	EPRI-9802-113	GW	46.51			7.60	5420		3.1		0.005	U	0.01	U	0.025	U	4	J4	0.003	U	0.044		0.02	U,UJ4
EP-25	05/21/98	EPRI-9805-113	GW	47.88			7.50	5760		2.6		0.005	U	0.01	U	0.028		5.8		0.004	U	0.083		0.039	
EP-26	08/11/97	EPRI-9708-114	GW	48.80	5.26	7.69	7.20	544	568	0.32		0.62		0.01	U	0.21		0.12		0.036		0.079		1.9	
EP-26	11/04/97	EPRI-9711-114	GW	56.70	5.05	7.15	7.30	1700	1900	0.32		1.5		0.01	U	0.16		0.1	U	0.01		0.27		4.2	
EP-26	02/04/98	EPRI-9802-114	GW	50.44	5.74	7.58	7.40	202	239	0.58		0.18		0.01	U	0.042	J4	0.1	U,UJ4	0.01		0.05		0.56	
EP-26	05/07/98	EPRI-9805-114	GW	48.86	6.30	7.64	7.00	141	170	0.45		0.18		0.01	U	0.025		0.1	U	0.007		0.059		0.57	
EP-29	08/07/97	EPRI-9708-115	GW	13.35	2.77	7.41	8.00	3090	3110	0.31		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.2		0.022	J2
EP-29	11/03/97	EPRI-9711-115	GW	16.92	0.52	7.09	7.90	2960	3610	0.48		0.005	U	0.01	U	0.025	U	1.8		0.003	U	0.12		0.03	
EP 29	02/03/98	EPRI-9802-115	GW	16.95	0.68	7.47	8.00	3100	3890	0.29		0.005	U	0.01	U	0.025	U	0.11	J4	0.003	U	0.19		0.02	U,UJ4
EP-29	05/06/98	EPRI-9805-115	GW	13.80	4.14	7.59	8.00	3180	3470	0.21		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.024	
EP-35	08/07/97	EPRI-9708-116	GW	13.43	5.98	7.55	8.00	6530	6150	0.4		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	1.4		0.026	J2
EP-35	11/03/97	EPRI-9711-116	GW	17.28	1.75	6.92	7.50	6340	7420	0.4		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	6.7		0.022	
EP-35	02/03/98	EPRI-9802-116	GW	17.48	2.11	6.99	7.60	6760	7940	0.37		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	4.1		0.021	J4
EP-35	05/06/98	EPRI-9805-116	GW	14.48	2.47	7.15	7.20	6530	6950	0.62		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	2.5		0.049	
EP-4	08/06/97	EPRI-9708-100	GW	5.28	1.51	7.06	7.70	2350	2230	0.16		0.005	U	0.01	U	0.025	U	1.1		0.003	U	0.005	U	0.02	U
EP-4	11/04/97	EPRI-9711-100	GW	6.32	1	7.46	7.80	1656	1906	0.14		0.005	U	0.01	U	0.025	U	0.85		0.003	U	0.005	U	0.02	U
EP-4	02/04/98	EPRI-9802-100	GW	5.00	1.91	7.58	8.00	1595	1563	0.068		0.005	U	0.01	U	0.025	U	0.91		0.003	U	0.005		0.02	U,UJ4
EP-4	05/05/98	EPRI-9805-100	GW	5.75	3.20	7.95	7.90	1831	1670	0.085		0.005	U	0.01	U	0.025	U	1.3		0.003	U	0.005	U	0.029	

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-43	11/03/97	EPRI-9711-172	GW	59.63	0.52	7.31	7.60	4950	5830	0.78		0.005	U	0.01	U	0.025	U	1.1		0.003	U	0.053		0.02	U
EP-43	02/03/98	EPRI-9802-175	GW	60.84	0.03	7.09	7.50	9590	11980	1.2		0.005	U	0.01	U	0.025	U	0.17	J4	0.003	U	0.15		0.02	U,UJ4
EP-43	05/20/98	EPRI-9805-175	GW	60.75	1.50	7.07	7.50	4930	4480	0.72		0.005	U	0.01	U	0.025	U	1.6		0.004	U	0.52		0.02	U
EP-49	11/19/97	EPRI-9711-117	GW	64.02			3.50	11740		207		43		0.24		5.1		1732		0.11		0.11		579	
EP-49	02/19/98	EPRI-9802-117	GW	65.35			4.00	11440		464		43		0.047		0.089		2381		0.014		0.14		1900	
EP-49	05/21/98	EPRI-9805-117	GW	63.53			3.60	10920		274		43		0.1		0.004		1609		0.004	U	0.19		1138	
EP-5	08/06/97	EPRI-9708-101	GW	5.78	1.29	7.47	7.70	3350	3330	0.047		0.005	U	0.016		0.025	U	0.31		0.003	U	0.005	U	0.02	U
EP-5	11/04/97	EPRI-9711-101	GW	5.82	2.52	7.58	8.00	3100	3700	0.033		0.005	U	0.01	U	0.025	U	0.1	U	0.01		0.033		0.027	
EP-5	02/04/98	EPRI-9802-101	GW	5.51	0.68	7.58	8.10	3070	3060	0.059		0.005	U	0.01	U	0.025	U	0.21	J4	0.003	U	0.005		0.021	J4
EP-5	05/05/98	EPRI-9805-101	GW	6.31	5.22	7.81	8.00	2980	2560	0.05		0.005	U	0.01	U	0.025	U	0.21		0.003		0.005	U	0.057	
EP-51	08/26/97	EPRI-9708-118	GW	49.12	9.4	7.25	7.30	11800	10630	0.033		0.034		0.029		0.076		1.4		0.003	U	0.22		0.53	
EP-51	11/06/97	EPRI-9711-118	GW	48.80	2.35	6.58	7.30	11670	12140	0.29		0.18		0.031		0.19		2.2		0.003	U	0.16		4.4	
EP-51	11/06/97	EPRI-9711-174	GW	48.80			7.20	11440		0.28		0.21		0.022		0.19		2.2		0.003	U	0.19		5.1	
EP-51	02/12/98	EPRI-9802-118	GW	48.56	0.03	5.85	6.90	11070	13050	10		3.9		0.01	U	5.6		1.8		0.003	U	0.17		61	
EP-51	05/11/98	EPRI-9805-118	GW	48.73	1.42	6.29	8.20	11800	9890	0.26		0.15		0.01	U	0.44		0.54		0.003	U	0.13		2.2	
EP-52	11/06/97	EPRI-9711-173	GW	45.92	6.54	6.10	7.10	9750	11000	0.97		0.64		0.017		0.53		0.55		0.044		0.36		2.6	
EP-52	02/12/98	EPRI-9802-176	GW	45.88	2	6.03	6.90	10870	13320	1.6		0.71		0.01	U	0.45		0.55		0.045		0.3		3.6	
EP-53	08/11/97	EPRI-9708-172	GW	67.60	7.74	6.58	7.20	7790	7300	51		1.3		0.01	U	0.025	U	0.1	U	0.003	U	0.76		3.6	
EP-53	02/04/98	EPRI-9802-178	GW	66.14	1.43	6.43	7.00	7590	9580	63		1.4		0.01	U	0.032	J4	0.1	U,UJ4	0.003	U	1.7		4.3	
EP-54	08/11/97	EPRI-9708-119A	GW	68.58	1.64	6.06			10470																
EP-54	08/26/97	EPRI-9708-119	GW	68.59		6.60	6.90	11340	1980	22		3.7		0.01	U	0.18		13		0.003	U	0.075		113	
EP-54	11/06/97	EPRI-9711-119	GW	69.05	2.51	6.14	6.80	10750	12010	29		4.5		0.01	U	0.57		14		0.003	U	0.071		94	
EP-54	02/12/98	EPRI-9802-119	GW	69.90	1.94	5.98	7.40	10100	11060	27		2		0.01	U	0.21		2.3		0.003	U	0.065		41	
EP-54	05/11/98	EPRI-9805-119	GW	69.25	1.93	6.20	7.10	9780	11910	50		1.5		0.01	U	0.12		3.4		0.011		0.082		32	
EP-55	08/15/97	EPRI-9708-120	GW	54.35	1.85	6.17	7.00	10550	10700	62		0.13		0.01	U	0.025	U	229		0.02		0.28		200	
EP-55	11/19/97	EPRI-9711-120	GW	54.19	2.12	6.25	6.90	10480	12860	59		0.043		0.01	U	0.025	U	130		0.003	U	0.24		82	
EP-55	02/12/98	EPRI-9802-120	GW	53.96	1.21	5.95	6.90	10510	14030	57		0.042		0.01	U	0.025	U	99		0.003	U	0.19		71	
EP-55	05/20/98	EPRI-9805-120	GW	54.35	1.93	6.06	6.70	10280	10320	56		0.013		0.01	U	0.025	U	84		0.004	U	0.18		43	
EP-56	08/11/97	EPRI-9708-121A	GW	49.23	2.51	7.34			5470																
EP-56	08/26/97	EPRI-9708-121	GW	48.70		7.25	7.60	5600	1063	1.9		0.004		0.01	U	0.025	U	0.1	U	0.003		0.048		0.026	
EP-56	11/04/97	EPRI-9711-121	GW	48.51	0.77	7.12	7.60	5520	5930	2.9		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.057		0.022	
EP-56	02/04/98	EPRI-9802-121	GW	49.06	1.81	7.14	7.80	5520	6620	2.2		0.005	U	0.01	U	0.027	J4	0.1	U,UJ4	0.003	U	0.048		0.025	J4
EP-56	05/07/98	EPRI-9805-121	GW	48.92	1.08	7.05	7.60	5500	7170	1.9		0.005	U	0.01	U	0.025		0.1	U	0.003		0.058		0.039	
EP-57	08/16/97	EPRI-9708-122	GW	8.53	1	7.30	7.90	3330	3370	1.1		0.005	U	0.01	U	0.025	U	0.6		0.003	U	0.03		0.027	
EP-57	11/14/97	EPRI-9711-122	GW	9.64	1.72	7.01	7.40	3070	3500	0.97		0.005	U	0.01	U	0.025	U	0.28		0.003	U	0.005	U	0.02	U
EP-57	02/18/98	EPRI-9802-122	GW	9.85	0.78	7.01	7.50	2900	3530	0.98	J4	0.005	U	0.01	U	0.025	U	0.1	UJ4,U	0.003	U	0.005	U	0.022	J4
EP-57	05/18/98	EPRI-9805-122	GW	9.17	1.01	7.18	7.50	2610	2440	0.79		0.005	U	0.01	U	0.025	U	0.1		0.003	U	0.005	U	0.02	U
EP-58	08/16/97	EPRI-9708-123	GW	12.90	0.24	6.54	6.90	11230	11340	1.4		0.005	U	0.01	U	0.025	U	2.7		0.003	U	0.16		0.022	
EP-58	11/14/97	EPRI-9711-123	GW	15.10	0.84	6.54	6.90	11480	14130	4.8		0.005	U	0.01	U	0.025	U	0.98		0.003	U	0.027		0.024	
EP-58	02/18/98	EPRI-9802-123	GW	15.76	0.79	6.38	6.80	11510	13740	4.2		0.005	U	0.01	U	0.025	U	0.9	J4	0.003	U	0.027		0.02	U,UJ4
EP-58	05/18/98	EPRI-9805-123	GW	13.98	0.43	6.35	6.80	11500	11490	4.5		0.005	U	0.011		0.025	U	0.9		0.003	U	0.034		0.023	
EP-59	08/09/97	EPRI-9708-124	GW	12.90	2.08	6.98	7.70	4780	4750	3.6		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.18		0.023	J2
EP-59	11/05/97	EPRI-9711-124	GW	13.20	0.2	7.23	7.60	4660	5340	3.8		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.021	

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-59	02/05/98	EPRI-9802-124	GW	13.66	1.06	7.09	7.30	4640	5630	3.4		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.23		0.02	U
EP-59	05/08/98	EPRI-9805-124	GW	13.20	1.33	7.13	7.70	4800	5600	3.1		0.005		0.01	U	0.025	U	0.1	U	0.003	U	0.29		0.043	
EP-6	08/06/97	EPRI-9708-102	GW	6.70	1.47	7.34	7.90	7320	7240	0.032		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.033		0.021	J2
EP-6	11/04/97	EPRI-9711-102	GW	7.80	1.03	7.44	7.90	7010	7440	0.031		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.049		0.024	
EP-6	02/04/98	EPRI-9802-102	GW	7.61	3.1	7.53	8.00	6060	997	0.023		0.005	U	0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.009		0.02	U,UJ4
EP-6	05/05/65	EPRI-9805-102	GW	7.48	3.00	7.62	8.00	5810	4950	0.021		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.01		0.044	
EP-60	08/08/97	EPRI-9708-125	GW	9.00	2.44	6.98	7.50	9140	8840	0.007		0.005	U	0.011		0.025	U	0.38		0.003	U	0.24		0.026	J2
EP-60	11/05/97	EPRI-9711-125	GW	10.02	0.16	6.99	7.50	8560	9660	0.005	U	0.005	U	0.01	U	0.025	U	0.8		0.003	U	0.24		0.021	
EP-60	02/05/98	EPRI-9802-125	GW	10.17	1.7	6.95	7.30	8780	10210	0.009		0.005	U	0.01	U	0.054		0.4	J4	0.003	U	0.26		0.027	
EP-60	05/08/98	EPRI-9805-125	GW	9.22	1.23	7.24	7.60	8880	9880	0.008		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.24		0.052	
EP-61	08/16/97	EPRI-9708-126	GW	9.58	2.3	7.15	7.90	9290	9210	0.005	U	0.005	U	0.01	U	0.025	U	1.4		0.003	U	0.42		0.021	
EP-61	11/14/97	EPRI-9711-126	GW	12.63	1.71	6.93	7.20	9080	11290	0.011		0.005	U	0.01	U	0.025	U	1.2		0.003	U	0.38		0.021	
EP-61	02/18/98	EPRI-9802-126	GW	11.84	1.68	6.85	7.30	9200	10350	0.025	J4	0.005	U	0.01	U	0.025	U	0.35	J4,J4	0.003	U	0.36		0.02	U,UJ4
EP-61	02/18/98	EPRI-9802-180	GW	11.84	1.68	6.85	7.40	9190	10350	0.015	J4	0.005	U	0.01	U	0.025	U	1	J4	0.003	U	0.35		0.02	U,UJ4
EP-61	05/18/98	EPRI-9805-126	GW	10.73	0.51	6.95	7.30	8860	8810	0.008		0.005	U	0.01	U	0.025	U	0.18		0.003	U	0.31		0.022	
EP-62	08/09/97	EPRI-9708-127	GW	7.32	1.45	7.10	7.70	5050	5030	1.1		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.36		0.023	J2
EP-62	11/05/97	EPRI-9711-127	GW	9.55	1.16	7.09	7.70	5050	5580	1.2		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.39		0.023	
EP-62	02/05/98	EPRI-9802-127	GW	9.64	3.07	7.16	7.40	5460	5980	0.84		0.005	U	0.01	U	0.026		0.1	J4	0.003	U	0.39		0.023	
EP-62	05/08/98	EPRI-9805-127	GW	7.62	2.87	7.21	7.70	4820	5480	0.96		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.38		0.039	
EP-63	08/09/97	EPRI-9708-128	GW	6.62	2.83	7.13	7.80	8100	880	0.019		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.23		0.022	J2
EP-63	11/05/97	EPRI-9711-128	GW	93.00	0.33	7.16	7.80	8260	9220	0.021		0.005	U	0.01	U	0.025	U	0.11		0.003	U	0.21		0.025	
EP-63	02/05/98	EPRI-9802-128	GW	9.42	2.23	7.08	7.40	8210	9590	0.02		0.005	U	0.01	U	0.029		0.2	J4	0.003	U	0.2		0.03	
EP-63	05/08/98	EPRI-9805-128	GW	6.95	1.58	7.15	7.60	8390	9360	0.022		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.22		0.052	
EP-64	08/09/97	EPRI-9708-129	GW	10.18	3.96	7.39	7.80	8590	9700	0.025		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.5		0.023	J2
EP-64	11/05/97	EPRI-9711-129	GW	12.05	0.19	7.25	7.80	11000	13050	0.048		0.005	U	0.01	U	0.025	U	0.1		0.003	U	0.7		0.03	
EP-64	02/05/98	EPRI-9802-129	GW	12.27	3.76	7.98	7.90	10420	10800	0.043		0.005	U	0.01	U	0.049		0.1	J4	0.003	U	0.65		0.024	
EP-64	05/08/98	EPRI-9805-129	GW	10.45	2.60	6.82	8.00	10000	10940	0.041		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.61		0.053	
EP-65	08/16/97	EPRI-9708-130	GW	8.25	0.35	7.15	7.70	7420	7360	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.33		0.02	U
EP-65	11/14/97	EPRI-9711-130	GW	10.94	1.4	7.02	7.60	7380	9180	0.013		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.29		0.02	U
EP-65	02/18/98	EPRI-9802-130	GW	10.73	0.84	7.07	7.50	7500	9190	0.009	J4	0.005	U	0.01	U	0.025	U	0.1	UJ4,U	0.003	U	0.2		0.02	U,UJ4
EP-65	05/18/98	EPRI-9805-130	GW	8.52	0.56	7.10	7.30	7440	7310	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.02	U
EP-66	08/08/97	EPRI-9708-131	GW	10.02	6.7	7.05	7.50	8390	8370	13		0.005	U	0.011		0.025	U	0.1	U	0.003	U	0.26		0.046	J2
EP-66	11/05/97	EPRI-9711-131	GW	11.85	1.3	6.80	7.50	7920	9020	11		0.005	U	0.01	U	0.025	U	0.15		0.003	U	0.26		0.027	
EP-66	02/05/98	EPRI-9802-131	GW	11.21	4.42	7.09	7.60	7220	8290	9.7		0.005	U	0.01	U	0.032		0.1	J4	0.003	U	0.26		0.024	
EP-66	05/08/98	EPRI-9805-131	GW	10.37	2.99	7.39	7.70	7690	8980	10		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.25		0.059	
EP-67	08/12/97	EPRI-9708-132	GW	41.62	1.5	6.74	7.60	4400	4490	0.015		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.14		0.022	
EP-67	11/07/97	EPRI-9711-132	GW	41.62	0.9	6.84	7.40	4460	5000	0.042		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.15		0.038	
EP-67	02/11/98	EPRI-9802-132	GW	43.95	1.71	6.66	7.30	4470	5820	0.015	J4	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.13		0.02	
EP-67	02/11/98	EPRI-9802-179	GW	43.95	1.71	6.66	7.30	4480	5820	0.015	J4	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.13		0.02	U
EP-67	05/12/98	EPRI-9805-132	GW	41.72	0.94	6.94	7.20	4440	4450	0.015		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.14		0.028	
EP-68	08/14/97	EPRI-9708-133	GW	63.10	6.38	7.14	7.70	5430	5290	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.33		0.024	
EP-68	08/14/97	EPRI-9708-174	GW	63.10	6.38	7.14	7.70	5330	5290	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.33		0.02	U
EP-68	11/11/97	EPRI-9711-133	GW	62.85	6.09	7.11	7.30	5440	5590	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.32		0.023	

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-68	02/11/98	EPRI-9802-133	GW	63.20	7.59	6.93	7.70	4980	6080	0.005	U	0.005	U	0.016		0.025	U	0.1	U	0.003	U	0.28		0.02	U
EP-68	05/13/98	EPRI-9805-133	GW	63.10	5.87	7.17	7.40	5690	5320	0.009		0.005	U	0.012		0.025	U	0.1	U	0.003	U	0.33		0.02	
EP-68	05/13/98	EPRI-9805-179	GW				8.10	5740		0.01		0.005	U	0.012		0.025	U	0.1	U	0.003	U	0.34		0.02	U
EP-7	08/06/97	EPRI-9708-103	GW	6.02	1.66	7.17	7.80	2810	2580	0.064		0.005	U	0.01	U	0.025	U	1		0.003	U	0.005	U	0.02	U
EP-7	11/04/97	EPRI-9711-103	GW	7.65	1.55	7.36	7.90	2710	2850	0.084		0.005	U	0.01	U	0.025	U	1.2		0.003	U	0.005	U	0.02	U
EP-7	02/04/98	EPRI-9802-103	GW	6.62	1.62	7.30	7.90	2810	501	0.076		0.005	U	0.01	U	0.025	U	1.7		0.003	U	0.005	U	0.02	U,UJ4
EP-7	05/05/98	EPRI-9805-103	GW	6.94	3.73	7.67	7.80	2890	2500	0.056		0.005	U	0.01	U	0.025	U	1.5		0.003	U	0.005	U	0.028	
EP-70	11/07/97	EPRI-9711-135	GW	62.12	0.75	6.91	7.50	6740	7510	1.7		0.013		0.01	U	0.025	U	0.1	U	0.003	U	0.22		0.18	
EP-70	02/11/98	EPRI-9802-135	GW	62.30	0.56	6.79	7.40	6600	8480	1.4		0.014		0.01	U	0.025	U	0.1	U	0.003	U	0.22		0.2	
EP-70	05/12/98	EPRI-9805-135	GW	61.95	0.38	7.07	7.40	6290	6210	1.2		0.012		0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.19	
EP-70R	08/12/97	EPRI-9708-135A	GW	61.65	0.52	6.84			7150																
EP-70R	08/26/97	EPRI-9708-135	GW	61.50		7.19	7.90	6970	1291	2		0.01		0.01	U	0.025	U	0.1	U	0.003	U	0.24		0.15	
EP-70R	08/26/97	EPRI-9708-180	GW	61.50		7.19	7.60	6970	1291	1.9		0.01		0.01	U	0.025	U	0.1	U	0.003	U	0.26		0.13	
EP 71	11/07/97	EPRI-9711-136	GW	50.38	0.54	6.85	7.50	6470	7180	0.19		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.32		0.027	
EP-71	02/11/98	EPRI-9802-136	GW	50.63	0.82	6.70	7.50	6770	8670	0.14		0.005	U	0.01	U	0.025		0.1	U	0.012		0.26		0.027	
EP-71	05/12/98	EPRI-9805-136	GW	50.22	0.39	6.99	7.30	6440	6400	0.13		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.27		0.023	
EP-71R	08/12/97	EPRI-9708-136	GW	49.90	0.43	6.79	7.50	6480	6560	0.16		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.28		0.02	U
EP-72	08/12/97	EPRI-9708-137	GW	61.40	0.37	6.77	7.80	6220	6300	0.48		0.21		0.01	U	0.025	U	0.1	U	0.003	U	0.51		0.45	
EP-72	11/07/97	EPRI-9711-137	GW	61.72	0.95	6.86	7.40	6040	6810	0.49		0.2		0.01	U	0.025	U	0.1	U	0.003	U	0.38		0.47	
EP-72	02/11/98	EPRI-9802-137	GW	61.85	0.72	6.72	7.40	6030	7900	0.5		0.21		0.01	U	0.025	U	0.1	U	0.003	U	0.36		0.53	
EP-72	05/13/98	EPRI-9805-137	GW	61.70	0.29	7.02	7.50	6030	5970	0.5		0.22		0.01	U	0.025	U	0.1	U	0.003	U	0.39		0.54	
EP-73	08/12/97	EPRI-9708-138	GW	70.75	5.73	6.88	7.90	6760	6760	0.031		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	1.1		0.03	
EP-73	11/13/97	EPRI-9711-138	GW	70.20	1.2	6.91	7.40	6520	8610	0.033		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	1.1		0.033	
EP-73	02/12/98	EPRI-9802-138	GW	71.25	0.97	6.84	7.60	6850	9540	0.023	J4	0.005	U	0.01	U	0.025	U	0.1	U	0.004		1.2		0.022	
EP-73	05/11/98	EPRI-9805-138	GW	71.10	1.43	6.62	7.70	6900	7810	0.11		0.01		0.01	U	0.025	U	0.1	U	0.003	U	1.3		0.15	
EP-74	08/13/97	EPRI-9708-139	GW	52.33	9.41	7.42	8.00	2550	2530	0.12		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.44		0.02	
EP-75	08/12/97	EPRI-9708-140	GW	57.10	1.54	6.84	7.40	19620	18940	12		0.036		0.01	U	0.054		0.1	U	0.003		5.3		0.15	
EP-75	11/13/97	EPRI-9711-140	GW	55.38	1.96	6.82	7.20	18340	21300	21		0.019		0.01	U	0.051		0.1	U	0.003		4		0.16	
EP-75	02/06/98	EPRI-9802-140	GW	55.45	1.11	6.86	7.20	19240	23900	18		0.022		0.01	U	0.086		0.3	J4	0.003	U	4.49		0.14	
EP-75	05/11/98	EPRI-9805-140	GW	56.22	2.40	6.52	7.50	20000	20000	17		0.041		0.1	U	0.1		0.1	U	0.005		5.1		0.15	
EP-76	08/12/97	EPRI-9708-141	GW	51.35	0.35	7.39	8.00	5110	5170	0.48		0.005	U	0.01	U	0.025	U	0.1	U	0.007		0.14		0.16	
EP-76	11/11/97	EPRI-9711-141	GW	49.97	0.16	7.21	7.50	4670	5050	0.48		0.005	U	0.01	U	0.025	U	0.1	U	0.004		0.17		0.078	
EP-76	02/06/98	EPRI-9802-141	GW	49.22	0.34	7.22	7.60	4800	6000	0.54		0.005	U	0.01	U	0.025	U	0.1	J4	0.005		0.13		0.07	
EP-76	05/11/98	EPRI-9805-141	GW	50.70	1.04	7.22	7.70	5000	5390	0.41		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.14		0.085	
EP-77	08/12/97	EPRI-9708-142	GW	41.90	3.83	6.98	8.40	5400	5350	5.6		0.012		0.01	U	0.025	U	0.1	U	0.006		0.034		0.025	
EP-77	11/13/97	EPRI-9711-142	GW	41.20	1.5	7.02	7.60	5350	6550	6		0.013		0.01	U	0.025	U	0.1	U	0.005		0.019		0.022	
EP-77	11/13/97	EPRI-9711-178	GW	41.20			7.60	5360		5.7		0.012		0.01	U	0.025	U	0.1	U	0.005		0.024		0.022	
EP-77	02/12/98	EPRI-9802-142	GW	40.70	1.1	7.00	7.50	5330	6910	5.7		0.015		0.01	U	0.025	U	0.1	U	0.005		0.007		0.024	
EP-77	05/13/98	EPRI-9805-142	GW	41.10	0.71	7.23	7.50	5070	5320	5.4		0.016		0.01	U	0.025	U	0.1	U	0.005		0.018		0.031	
EP-78	08/13/97	EPRI-9708-143	GW	31.26	0.25	7.78	8.00	2600	2640	6.3		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.35		0.023	
EP-78	11/18/97	EPRI-9711-143	GW	31.10	0.74	7.77	7.90	2310	2940	5.6		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.24		0.02	U
EP-78	11/18/97	EPRI-9711-179	GW	31.10			7.90	2320		5.6		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.24		0.02	U

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-78	02/06/98	EPRI-9802-143	GW	31.13	0.73	7.69	7.90	2940	3780	5.9		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.22		0.02	U
EP-78	05/14/98	EPRI-9805-143	GW	33.05	0.82	7.70	8.00	3730	3750	5.6		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.02	U
EP-79	08/13/97	EPRI-9708-144	GW	46.00	1.06	7.47	8.00	4890	4870	0.011		0.005	U	0.012		0.025	U	0.1	U	0.003	U	0.17		0.02	U
EP-79	11/18/97	EPRI-9711-144	GW	45.20	0.77	7.43	8.20	4900	6500	0.01		0.005	U	0.012		0.025	U	0.1	U	0.003	U	0.19		0.02	U
EP-79	02/06/98	EPRI-9802-144	GW	45.09	0.63	7.42	7.90	4940	6700	0.007		0.005	U	0.01		0.025	U	0.1	J4	0.003	U	0.18		0.02	U
EP-79	05/14/98	EPRI-9805-144	GW	47.01	0.43	7.52	7.80	5080	5150	0.008		0.005	U	0.011		0.025	U	0.1	U	0.003	U	0.17		0.02	U
EP-80	08/13/97	EPRI-9708-145	GW	10.68	0.31	7.23	7.70	5040	5040	0.019		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.017		0.02	U
EP-80	11/17/97	EPRI-9711-145	GW	11.83	2.9	7.05	7.90	5100	6840	0.018		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.041		0.02	U
EP-80	02/05/98	EPRI-9802-145	GW	11.98	0.88	7.14	7.40	5040	6190	0.018		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.039		0.02	U
EP-80	05/13/98	EPRI-9805-145	GW	11.13	0.68	7.26	7.60	4960	5020	0.02		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.039		0.02	
EP-81	08/13/97	EPRI-9708-146	GW	17.95	2.82	7.01	7.70	2550	2530	0.21		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.22		0.02	U
EP-81	11/17/97	EPRI-9711-146	GW	18.42	2.88	6.90	7.80	2390	3290	0.19		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.025	
EP-81	02/05/98	EPRI-9802-146	GW	18.81	2.94	7.00	7.50	2560	2980	0.32		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.21		0.025	
EP-81	05/14/98	EPRI-9805-149	GW	18.42	3.44	7.04	7.40	2540	2630	0.24		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.021	
EP-82	08/13/97	EPRI-9708-147	GW	17.42	1.31	7.06	7.70	3980	3960	0.016		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.27		0.02	U
EP-82	11/18/97	EPRI-9711-147	GW	16.13	2.15	7.03	8.00	3250	4070	0.011		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.21		0.02	U
EP-82	02/11/98	EPRI-9802-147	GW	15.50	1.73	6.94	7.60	4320	5360	0.006	J4	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.17		0.024	
EP-82	05/14/98	EPRI-9805-147	GW	16.92	0.67	7.12	7.60	4740	4780	0.01		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.18		0.022	
EP-83	08/13/97	EPRI-9708-148	GW	28.00	5.75	7.47	8.00	3940	3960	0.01		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.053		0.021	
EP-83	11/18/97	EPRI-9711-148	GW	27.52	4.42	7.36	8.20	3940	4930	0.005		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.037		0.02	U
EP-83	02/06/98	EPRI-9802-148	GW	27.14	6.33	7.51	7.80	3720	4670	0.006		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.044		0.02	U
EP-83	05/13/98	EPRI-9805-148	GW	27.91	4.85	7.51	7.80	3840	3880	0.01		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.054		0.02	U
EP-84	08/13/97	EPRI-9708-149	GW	7.15	3.33	7.39	7.90	1958	1908	0.1		0.007		0.01	U	0.026		0.1	U	0.009		0.036		0.042	
EP-84	11/18/97	EPRI-9711-149	GW	7.58	1.37	7.16	8.10	2650	3260	0.041		0.007		0.01	U	0.025	U	0.1	U	0.01		0.031		0.035	
EP-84	02/06/98	EPRI-9802-149	GW	7.48	1.35	7.18	7.40	2990	3470	0.035		0.007		0.01	U	0.037		0.1	J4	0.018		0.024		0.048	
EP-84	05/13/98	EPRI-9805-146	GW	8.38	2.28	7.22	7.50	3040	3050	0.034		0.006		0.01	U	0.025	U	0.1	U	0.006		0.029		0.052	
EP-85	08/13/97	EPRI-9708-150	GW	15.40	0.32	7.33	8.00	2900	2890	3.1		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.22		0.02	U
EP-85	11/17/97	EPRI-9711-150	GW	13.60	0.35	7.30	8.00	2500	2950	3.2		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.19		0.02	U
EP-85	02/05/98	EPRI-9802-150	GW	19.25	0.61	7.34	7.70	2600	3140	2.9		0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.15		0.02	U
EP-85	05/14/98	EPRI-9805-150	GW	15.49	0.52	7.39	7.70	2970	3010	2.8		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.16		0.025	U
EP-86	08/13/97	EPRI-9708-151	GW	49.30	7.68	7.63	8.00	2630	2610	0.011		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.043		0.02	U
EP-86	11/18/97	EPRI-9711-151	GW	49.27	5.56	7.54	8.30	2650	3240	0.007		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.038		0.02	U
EP-86	02/06/98	EPRI-9802-151	GW	48.74	6	7.53	7.80	2640	3300	0.005	U	0.005	U	0.01	U	0.025	U	0.1	J4	0.003	U	0.029		0.02	U
EP-86	05/14/98	EPRI-9805-151	GW	48.83	8.01	7.70	7.90	2640	2670	0.008		0.005	U	0.01	U	0.025	U	0.1	U	0.002	U	0.041		0.02	
EP-87	09/15/97	EPRI-9708-152	GW				7.50	546		0.054		0.005	U	0.016		0.033		0.1	U	0.006		0.005	U	0.03	
EP-87	11/18/97	EPRI-9711-152	GW	11.47	4.7	7.49	8.20	560	685	0.033		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.005	U	0.02	U
EP-87	02/06/98	EPRI-9802-152	GW																						
EP-88	08/12/97	EPRI-9708-153	GW	29.52	0.73	7.35	8.40	5150	5370	0.02		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.094		0.025	
EP-88	11/11/97	EPRI-9711-153	GW	28.12	0.43	7.41	7.50	5240	5980	0.017		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.029		0.026	
EP-88	02/12/98	EPRI-9802-153	GW	27.73	1.53	7.24	7.80	5320	6600	0.017	J4	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.011		0.031	
EP-88	05/11/98	EPRI-9805-153	GW	28.53	1.21	7.60	8.00	5370	5860	0.032		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.029		0.027	
EP-89	08/12/97	EPRI-9708-154	GW	15.10	5.34	7.04	7.90	2780	2800	0.01		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.029		0.02	
EP-89	11/13/97	EPRI-9711-154	GW	15.26	3.98	7.12	7.40	2770	3350	0.005		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.018		0.02	U

TABLE G-3
ANALYTICAL RESULTS FOR METALS, GROUNDWATER SAMPLES

Site	Date	Sample Number	Type	DTW	(O) (fld)	pH (fld)	pH (lab)	Specific Conductivity (lab)	Specific Conductivity (fld)	Arsenic DIS		Cadmium DIS		Chromium DIS		Copper DIS		Iron DIS		Lead DIS		Selenium DIS		Zinc DIS	
EP-89	02/11/98	EPRI-9802-154	GW	15.12	4.09	7.00	7.70	2770	3600	0.005	U	0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.013		0.02	U
EP-89	05/13/98	EPRI-9805-154	GW	15.01	4.05	7.29	7.70	2780	2770	0.006		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.026		0.02	
EP-9	05/07/98	EPRI-9805-178	GW	61.08	1.12	7.10	8.10	2650	3220	0.39		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.17		0.022	
EP-90	12/12/97	EPRI-9711-139	GW	54.64		7.41	8.10	2920	3700	0.15		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.69		0.19	
EP-90	02/17/98	EPRI-9802-139	GW	53.90	5.13	7.12	7.80	2950	3920	0.18				0.01	U	0.025	U	0.1	U,UJ4	0.003	U	0.75		0.02	U,UJ4
EP-90	05/13/98	EPRI-9805-139	GW	53.59	3.68	7.39	7.80	2900	2740	0.17		0.005	U	0.01	U	0.025	U	0.1	U	0.003	U	0.86		0.027	

APPENDIX G

GROUNDWATER QUALITY DATA, AUGUST 1997 THROUGH MAY 1998

Notes:

GW	=	Groundwater
DTW	=	Depth to Water (feet below measuring point)
SW	=	Surface Water
U	=	not detected above detection limit indicated
J4	=	Data qualifiers outside of control limits
fld	=	field
O	=	oxygen
DIS	=	dissolved
TDS	=	Total Dissolved Solids at 180°C
TSS	=	Total Suspended Solids
Ca	=	Calcium
Mg	=	Magnesium
Na	=	Sodium
NO_3	=	Nitrate
NO_2	=	Nitrite
N	=	Nitrogen
K	=	Potassium
HCO_3	=	Bicarbonate
CO_3	=	Carbonate
SO_4	=	Sulfate
Cl	=	Chloride
Alkalinity	=	Alkalinity as $CaCO_3$
As	=	Arsenic
Cd	=	Cadmium
Cr	=	Chromium
Cu	=	Copper
Fe	=	Iron
Se	=	Selenium
Zn	=	Zinc

All results are presented in milligrams per liter (mg/l) except for specific conductivity (microhmos per centimeter)..

APPENDIX H

SUMMARY OF AQUIFER TESTING ANALYSES

APPENDIX H

SUMMARY OF AQUIFER TESTING ANALYSES

TABLE II-1. MAY 1998 AQUIFER TEST RESULTS

Test Well	Perforated Interval/ Total Depth (ft bgs)	Casing Stickup (ft)	MP Stickup/ Elevation (ft)	Initial Static Water Level from MP (ft)	Measured * Saturated Thickness (ft)	Test Date	Type of Test (1)	Test Length (min:sec)	Pumping Rate (gpm)	Maximum Drawdown (ft)	Distance from Pumping Well (ft)	Method of Analysis (2)	Hydraulic Conductivity (ft/day)	Transmissivity (ft^2/day) (3)	Storativity S/S'	Comments
EP-62 (pumping well)	7.5-17	2	1.6	7.38	9.5	5/1/98	DRW	27:31	2	1.409	0.1667	TH	7.16	68	0.7378	Well located near (~20') the American Canal in Rio Grande floodplain
	17		3720.57									CJ	9.09	86	0.4956	
												N	6.36	60	0.6876	
												PC	17.72	168	0.0178	
						5/1/98	REC	12:35				TR	16.98	161	6.31	
EP-72 (pumping well)	55-75		2.0	61.58	13	4/29/98	DRW	86:47	2.14	2.273	0.1667	TH	1.17	15	1.450	Pumping rate increased from 2.14 gpm after 30 sec to 2.27 gpm
	75		3778.5									CJ	1.59	21	0.968	
												N	0.82	11	1.324	
												PC	2.32	30	0.034	Dewatered well to pump intake
						4/29/98	REC	20:28				TR	3.09	40	15.73	Recovery Test Started ~6 minutes after pump shut off due to computer failure
EP-73 (pumping well)	60-80		2.0	70.91	12	4/29/98	DRW	196:02	1.55	3.518	0.1667	TH	6.24	75	0.3127	Well located in Acid Plant area of smelter
	80		3789.45									CJ	3.09	37	3.5180	
												N	6.20	74	0.2228	Initial pumping rate 1.36 gpm and leveled off at 1.55 gpm
												PC	8.43	101	0.0377	
						4/29/98	REC	23:09				TR	2.59	31	27.44	
EP-77 (pumping well)	45-55		2.0	41.15	16	5/1/98	DRW	13:06	3.33	11.34	0.1667	TH	1.90	30	0.2191	Well located due north of Pond 5
	55		3776.8									CJ	1.67	27	0.3507	
												N	1.50	24	0.3160	Test stopped at 13 minutes due to danger of well drawdown intercepting pump screen
												PC	1.82	29	0.0134	
						5/1/98	REC	48:31				TR	0.70	11	2.2250	
EP-85 (pumping well)	10-25		2.0	15.17	10.4	4/30/98	DRW	135	5.08	0.233	0.1667	TH	455	4732	0.0051	Wells located in larger regional arroyo
	25		3741.91									CJ	467	4859	0.0036	
												N	192	1995	1.0270	
												PC	430	4471	0.0006	
												CJ DD	320	3326	N/A	Solution used additional observation well 20 feet away
EP-85 obs 1 (observation well)	10-25			14.95	10.4	4/30/98	DRW	135		0.081	10	TH	306	3186	0.0125	Well located 10' downgradient from EP-85
	25		3741.37									CJ	304	3159	0.0104	
												N	156	1626	0.0111	
						4/30/98	REC	26:50				TR	162	1688	0.3174	
				14.21	10.4	5/1/98	DRW	30	12.83	0.242		TH	177	1840	0.0535	
												CJ	232	2417	0.0348	
												N	153	1591	0.0437	
						5/1/98	REC	7:04				TR	330	3432.7	4.471	

Notes: gpm = gallons per minute
ft = feet
bgs = below ground surface
* Measured Saturated Thickness from Troll Instrument.
N/A – Not available with this solution.
(1) DRW = pumping drawdown test. REC = water level recovery test.
(2) TH = Theis, CJ = Cooper Jacob, N = Neuman, TR = Theis Recovery, PC = Papadopulos-Cooper Method for Large Diameter Wells, DD = Distance Drawdown
(3) The transmissivities for the El Paso Site were determined from aquifer testing performed in May 1998.
These tests assumed the saturated thickness of the aquifer is equal to the screened interval of the test wells.
Hence the calculated transmissivity values are representative of the screened portion of the aquifer.
Until more information on the saturated thickness can be determined, these values of transmissivity and hydraulic conductivity should be considered estimates.

TABLE H-2. OCTOBER 1997 SLUG TEST RESULTS

Test Well	Perforated Interval/ Total Depth (ft bgs)	MP Stickup/ Elevation (ft)	Initial Static Water Level from MP (ft)	Saturated Thickness (ft)	Test Date	Test Length (min:sec)	Slug Displacement (ft^3)	Initial Displacement (ft)	Method of Analysis (1)	Hydraulic Conductivity (ft/day)
EP-51	40-70	1.2	48.73	21	10/20/97	28:39	N/A	1.92	Slug	4.70
	70	3774.66								
EP-53	59-79	1.2	66.81	11	10/20/97	15:53	N/A	1.27	Slug	2.40
	79	3805.64								
EP-54	60-80	1.6	69.25	11	10/20/97	13:27	N/A	2.5	Slug	
	80	3787.37								
EP-56	38-58	2	48.92	9	10/20/97	8:00	N/A	1.52	Slug	5.30
					10/20/97	4:18	N/A			
	58	3772.09								
EP-57	10-30	1.6	9.17		10/21/97	6:53	N/A	1.65	Slug	
	30	3723.66								
EP-62	7-17	1.6	7.62		10/21/97	4:27	N/A	1.81	Slug	
	25	3720.64								
EP-65	6.4-16.4	1.6	8.52		10/21/97	8:57	N/A	1.81	Slug	
	16.4	3721.39								
EP-66	6.4-16.4	1.6	10.37		10/21/97	17:59	N/A	1.34	Slug	
	16.4	3722.88								
EP-76	45-65	1.8	50.2	76	10/20/97	9:40	N/A		Slug	10.90
	65	3798.56								

Notes: (1) Slug = Slug Test Method (Confined or Unconfined)
N/A = Not Available with this solution
MP = Measuring Point
ft = feet
bgs = below ground surface

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A Q T E S O L V   R E S U L T S

Version 2.01

Developed by Glenn M. Duffield
(c) 1988-1995 Geraghty & Miller, Inc.

05/02/98 11:16:32

==

TEST DESCRIPTION

Data set........... EP-62D.DAT
Output file........ EP62D.OUT
Data set title..... EP-62 Drawdown

Units of Measurement
Length.......... ft
Time............ min
Pumping rate.... consistent

Pumping Well Data
Well No. 1
Well identification.............. EP-62
X location....................... 0
Y location....................... 0
Casing radius.................... 0.1667
Wellbore radius.................. 0.1667
Well penetration................. Full
Number of pumping periods........ 1

Period	Pumping Rate
1	0.2674

Observation Well/Piezometer Data
Well identification.............. EP-62
X location....................... 0.1667
Y location....................... 0
Distance from pumping well #1.... 0.1667
Well penetration................. Full
No. of observations.............. 117

Aquifer Data
Saturated thickness.............. 9.5

==

ANALYTICAL METHOD

Cooper-Jacob (Unconfined Aquifer)

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RESULTS FROM VISUAL CURVE MATCHING

JAL MATCH PARAMETER ESTIMATES

Estimate
T = 6.2120E-002 ft^2/min

S = 4.8384E-001

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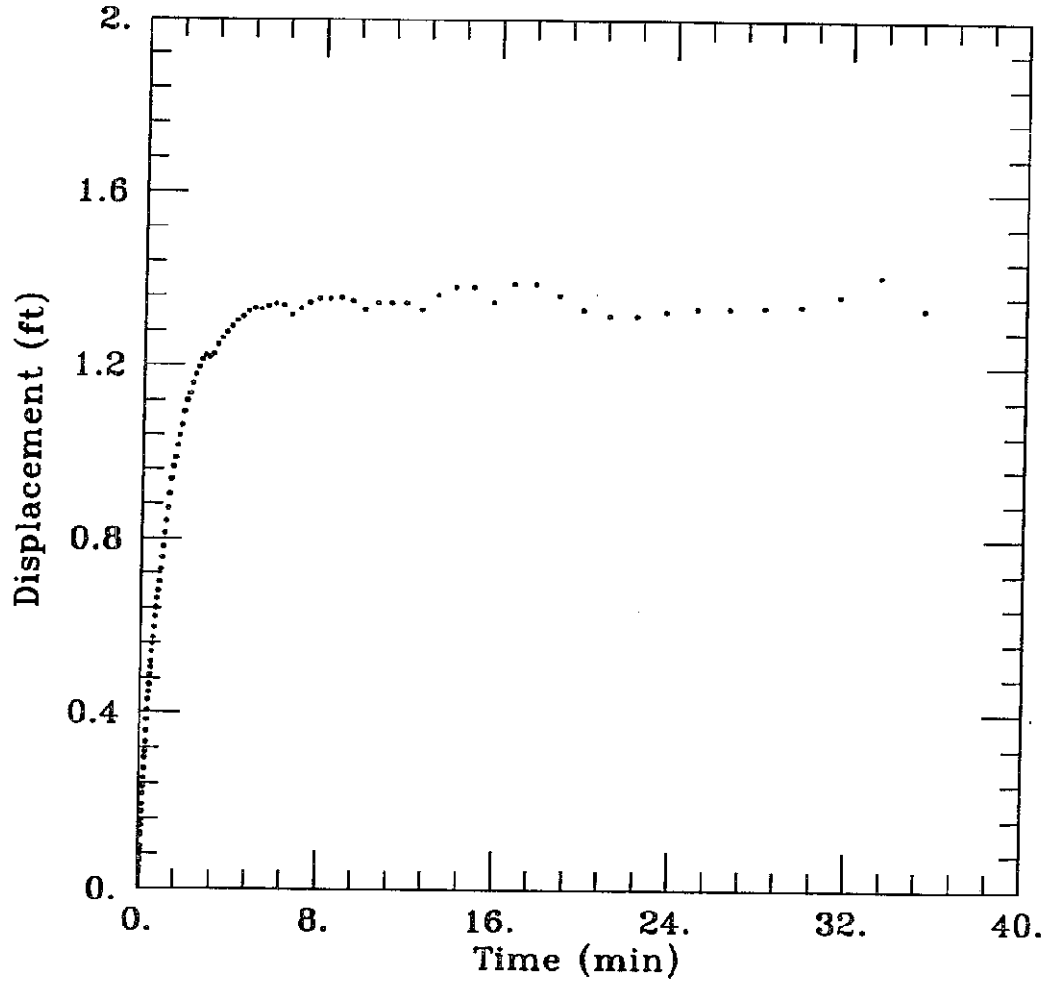
Client: **ASARCO**	Company: **Hydrometrics, Inc.**
Location: **El Paso**	Project: **0734 502.100**

Displacement vs. Time



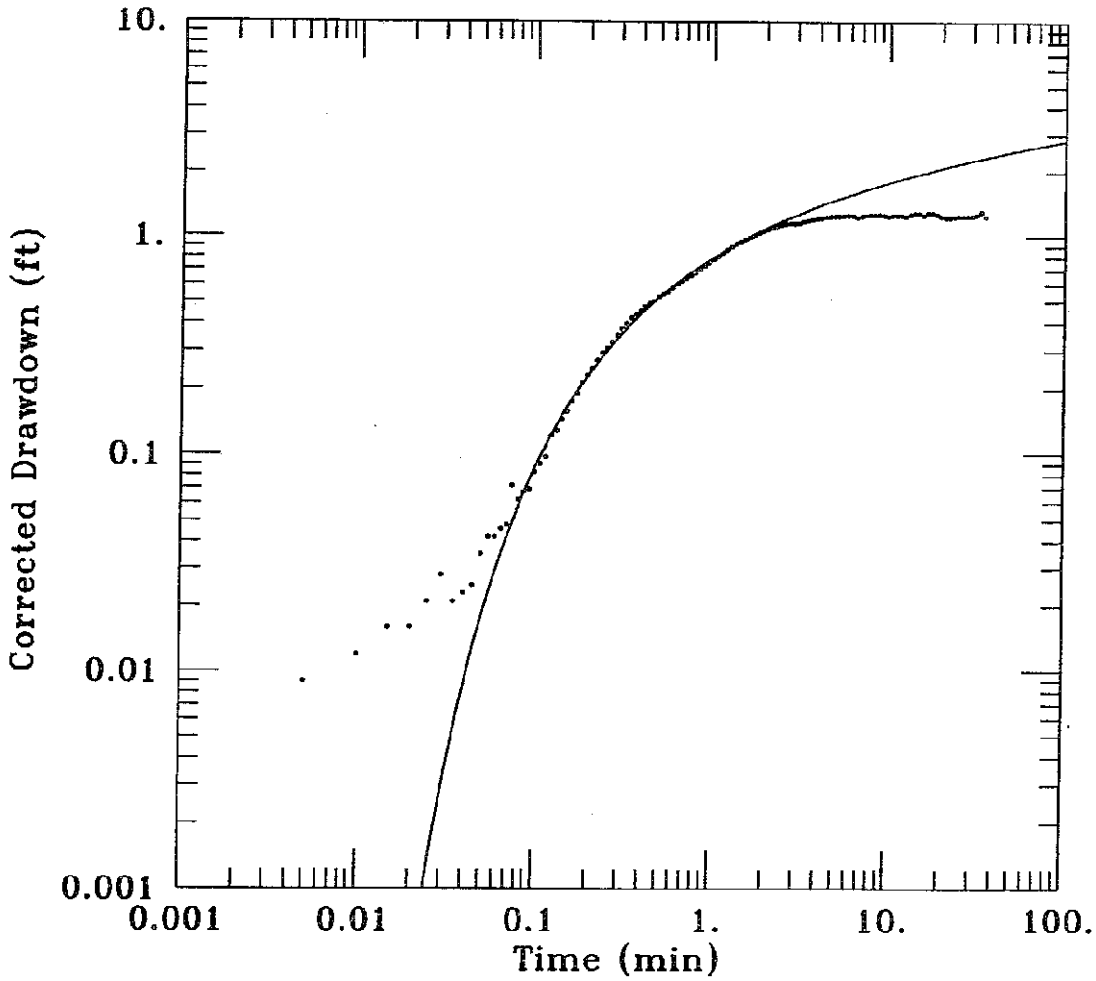
DATA SET:
EP-62D.DAT
05/14/98

PROJECT DATA:
test date: 5/1/98
test well: EP-62
obs. well: EP-62

AQTESOLV

Client: SARCO	Company: Hydrometrics, Inc.
Location: El Paso	Project: 0734 502.100

EP-62 Drawdown



DATA SET:
EP-62D.DAT
05/12/98

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Theis

PROJECT DATA:
test date: 5/1/98
test well: EP-62
obs. well: EP-62

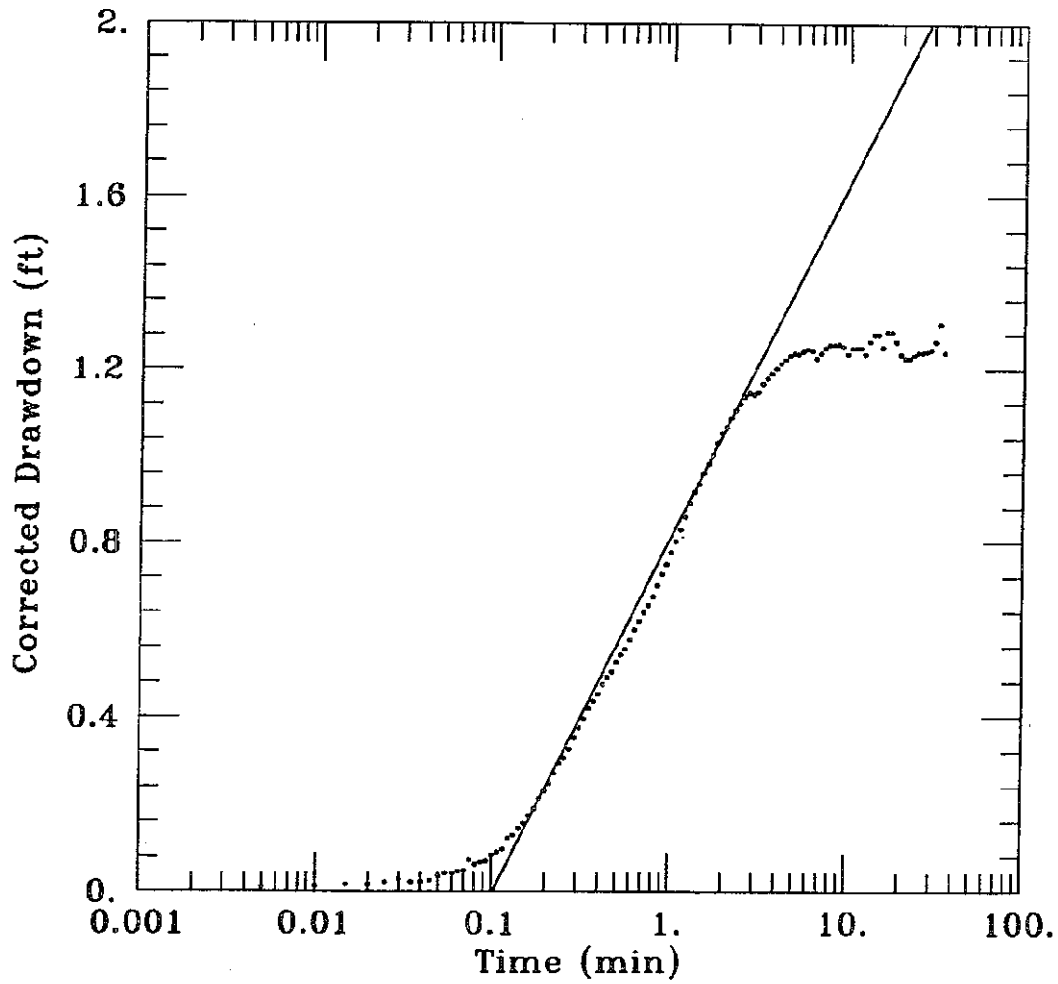
TEST DATA:
$Q = 0.2674\ ft^3/min$
$r = 0.1667\ ft$
$r_c = 0.1667\ ft$
$r_w = 0.1667\ ft$
$b = 9.5\ ft$

PARAMETER ESTIMATES:
$T = 67.98\ ft^2/day$
$S = 0.7378$

AQTESOLV

Client: ARCO	Company: Hydrometrics, Inc.
Location: El Paso	Project: 0734 502.100

EP-62 Drawdown



DATA SET:
EP-62D.DAT
05/12/98

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: 5/1/98
test well: EP-62
obs. well: EP-62

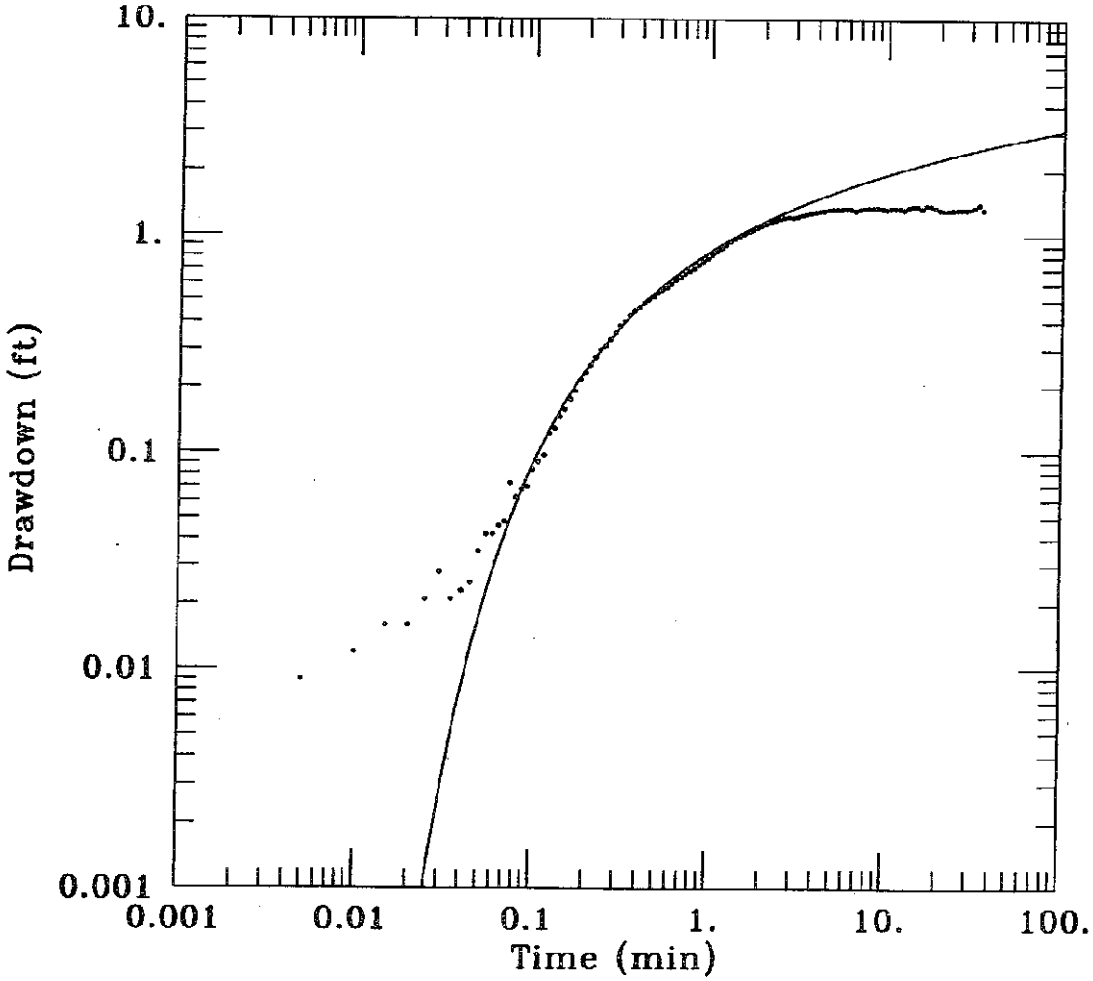
TEST DATA:
Q = 0.2674 ft^3/min
r = 0.1667 ft
r_c = 0.1667 ft
r_w = 0.1667 ft
b = 9.5 ft

PARAMETER ESTIMATES:
T = 86.32 ft^2/day
S = 0.4956

AQTESOLV

Client: SARCO	Company: Hydrometrics, Inc.
Location: El Paso	Project: 0734 502.100

EP-62 Drawdown



DATA SET:
EP-62D.DAT
05/12/98

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Neuman

PROJECT DATA:
test date: 5/1/98
test well: EP-62
obs. well: EP-62

TEST DATA:
Q = 0.2674 ft^3/min
r = 0.1667 ft
r_c = 0.1667 ft
r_w = 0.1667 ft
b = 9.5 ft

PARAMETER ESTIMATES:
T = 60.46 ft^2/day
S = 0.6876
Sy = 0.1
β = 0.001

AQTESOLV