Table 1
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - A-Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
MP-BW-46-080	8/25/2003	74.63	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.25	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-46-080	12/9/2003	75.28	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-46-080	3/4/2004	75.46	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-46-080	6/3/2004	75.74	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-46-080	9/15/2004	75.79	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-46-095	8/25/2003	74.63	NA	< 0.5	< 0.5	7.9	0.8	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.96	< 0.5
MP-BW-46-095	12/9/2003	75.28	NA	< 0.5	< 0.5	12	0.77	< 0.5	< 0.5	< 10	< 0.5	< 0.5	1.2	< 0.5
MP-BW-46-095	3/4/2004	NM	NA	< 0.5	< 0.5	8.2	0.75	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.92	< 0.5
MP-BW-46-095	6/3/2004	NM	NA	< 0.5	< 0.5	7.1	0.6	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.75	< 0.5
MP-BW-46-095	9/15/2004	NM	NA	< 0.5	< 0.5	5.5	0.6	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.61	< 0.5
MP-BW-48-133	8/26/2003	113.29	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-48-133	12/11/2003	113.75	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-48-133	3/9/2004	114.05	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-48-133	5/26/2004	114.19	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-48-133	9/14/2004	110.09	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-11-A	9/9/2003	51.4	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	0.76	< 0.5	< 0.5
MW-B-12-A	9/9/2003	50.62	NA	< 0.5	< 0.5	4.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-12-A	12/2/2003	50.75	NA	< 0.5	< 0.5	4.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-12-A	3/4/2004	50.66	NA	< 0.5	< 0.5	2.8	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-12-A	5/27/2004	50.87	NA	< 0.5	< 0.5	6.5	0.28	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-12-A	9/14/2004	51.11	NA	< 0.5	< 0.5	3.9	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-14-A	9/5/2003	72.88	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	13	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-14-A	12/2/2003	73.06	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-14-A	3/5/2004	73.29	NA	< 0.5	< 0.5	0.42	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-14-A	5/27/2004	73.64	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-B-14-A	9/14/2004	73.97	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-15-A	9/8/2003	77.64	NA	< 0.5	< 0.5	11	0.82	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.9	< 0.5
MW-BW-15-A	12/2/2003	77.84	NA	< 0.5	< 0.5	11	0.84	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.96	< 0.5
MW-BW-15-A	3/5/2004	78.00	NA	< 0.5	< 0.5	8.6	0.75	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.94	< 0.5
MW-BW-15-A	5/27/2004	78.39	NA	< 0.5	< 0.5	11	0.78	< 0.5	< 0.5	< 10	< 0.5	< 0.5	1.1	< 0.5
MW-BW-15-A	9/14/2004	78.62	NA	< 0.5	< 0.5	15	1	< 0.5	< 0.5	< 10	< 0.5	< 0.5	1.4	< 0.5
MW-BW-16-A	9/5/2003	62.42	NA	1.7	< 0.5	1.4	1.3	< 0.5	0.63	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-16-A	12/2/2003	62.14	NA	1.6	< 0.5	0.97	1.1	< 0.5	0.83	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-16-A	3/5/2004	62.35	NA	1.5	< 0.5	1	1.1	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-16-A	6/1/2004	62.65	NA	1.7	< 0.5	1.3	1.2	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-16-A	9/15/2004	62.94	NA	1.9	< 0.5	1.3	1.2	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-17-A	9/9/2003	71.76	NA	< 0.5	< 0.5	3.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.68	< 0.5
MW-BW-17-A	12/4/2003	72.01	NA	< 0.5	< 0.5	3.3	< 0.5	< 0.5	< 0.5	6	< 0.5	< 0.5	0.57	< 0.5
MW-BW-17-A	3/4/2004	72.47	NA	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.63	< 0.5
MW-BW-17-A	5/26/2004	72.62	NA	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.66	< 0.5
MW-BW-17-A	9/13/2004	72.83	NA	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.52	< 0.5
MW-BW-23-A	9/10/2003	97.29	NA	< 0.5	< 0.5	9.6	1.2	< 0.5	< 0.5	17	0.25	< 0.5	3.8	< 0.5
MW-BW-23-A	12/3/2003	97.48	NA	< 0.5	< 0.5	7	0.87	< 0.5	< 0.5	< 10	< 0.5	< 0.5	2.5	< 0.5
MW-BW-23-A	3/8/2004	97.37	NA	< 0.5	< 0.5	6.2	0.69	< 0.5	< 0.5	< 10	< 0.5	< 0.5	2.3	< 0.5
MW-BW-23-A	4/13/2004	NM	NA	NA	NA	6.1	0.83	< 0.5	NA	NA	NA	NA	NA	NA
MW-BW-23-A	5/28/2004	97.74	NA	< 0.5	< 0.5	5.4	0.58	< 0.5	< 0.5	< 10	< 0.5	< 0.5	1.9	< 0.5
MW-BW-23-A	7/13/2004	NM	350	NA	NA	4.8	0.48	< 0.5	NA	NA	NA	NA	NA	NA
MW-BW-23-A	9/13/2004	97.85	NA	< 0.5	< 0.5	2.6	0.35	< 0.5	< 0.5	13	< 0.5	< 0.5	1	< 0.5

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Operable Unit Carbon Tetrachloride Plume

Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
MW-BW-24-A	9/10/2003	70.81	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-24-A	12/4/2003	71.10	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-24-A	3/8/2004	71.27	NA	< 0.5	< 0.5	0.29	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-24-A	5/28/2004	71.68	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-24-A	9/13/2004	71.85	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-25-A	9/9/2003	68.01	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	7.3	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-25-A	12/3/2003	68.25	NA	< 0.5	< 0.5	0.92	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-25-A	3/3/2004	68.90	NA	< 0.5	< 0.5	1.3	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-25-A	5/25/2004	68.83	NA	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-25-A	9/13/2004	68.96	NA	< 0.5	< 0.5	1.6	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-26-A	9/9/2003	101.63	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	6.9	< 0.5	< 0.5	0.35	< 0.5
MW-BW-26-A	12/2/2003	101.84	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-26-A	3/4/2004	101.97	NA	< 0.5	< 0.5	0.96	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.31	< 0.5
MW-BW-26-A	5/26/2004	102.25	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.32	< 0.5
MW-BW-26-A	9/13/2004	102.67	NA	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.29	< 0.5
MW-BW-27-A	9/8/2003	88.80	NA	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-27-A	12/2/2003	90.00	NA	< 0.5	< 0.5	3.4	0.31	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-27-A	3/5/2004	90.20	NA	< 0.5	< 0.5	4.2	0.26	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.27	< 0.5
MW-BW-27-A	5/27/2004	90.43	NA	< 0.5	< 0.5	5	0.31	< 0.5	< 0.5	< 10	< 0.5	< 0.5	0.3	< 0.5
MW-BW-27-A	9/14/2004	90.84	NA	< 0.5	< 0.5	4.4	0.3	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-28-A	9/8/2003	74.37	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	6.9	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-28-A	12/2/2003	74.62	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-28-A	3/5/2004	74.78	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-28-A	5/27/2004	75.03	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-28-A	9/14/2004	75.34	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-30-A	9/5/2003	89.97	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-30-A	12/2/2003	89.83	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-30-A	3/5/2004	87.40	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-30-A	5/26/2004	90.32	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-30-A	9/15/2004	90.35	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-31-A	9/8/2003	68.02	NA	< 0.5	< 0.5	0.35	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-31-A	12/2/2003	68.20	NA	< 0.5	< 0.5	0.62	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-31-A	3/4/2004	68.24	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-31-A	5/27/2004	68.35	NA	< 0.5	< 0.5	0.35	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-31-A	9/14/2004	68.68	NA	< 0.5	< 0.5	0.3	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-32-A	9/27/2003	55.05	NA	< 0.5	< 0.5	0.98	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-32-A	12/2/2003	55.23	NA	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-32-A	3/5/2004	55.22	NA	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-32-A	5/27/2004	55.41	NA	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-32-A	9/14/2004	55.78	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-34-A	9/4/2003	72.23	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-34-A	12/2/2003	74.57	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-34-A	3/4/2004	73.64	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-34-A	5/27/2004	73.84	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-34-A	9/15/2004	74.16	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-35-A	9/8/2003	59.68	NA	< 0.5	< 0.5	1.1	0.28	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-35-A	12/2/2003	59.86	NA	< 0.5	< 0.5	0.87	0.26	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-35-A	3/4/2004	59.83	NA	< 0.5	< 0.5	0.66	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-35-A	5/27/2004	60.02	NA	< 0.5	< 0.5	0.97	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-35-A	9/14/2004	60.31	NA	< 0.5	< 0.5	0.68	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5

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Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
MW-BW-36-A	9/9/2003	63.21	NA	< 0.5	< 0.5	< 0.5	0.41	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-36-A	12/2/2003	62.38	NA	< 0.5	< 0.5	< 0.5	0.42	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-36-A	3/4/2004	62.46	NA	< 0.5	< 0.5	< 0.5	0.4	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-36-A	5/27/2004	62.61	NA	< 0.5	< 0.5	< 0.5	0.42	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-36-A	9/14/2004	62.86	NA	< 0.5	< 0.5	< 0.5	0.41	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-38-A	9/27/2003	64.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-38-A	12/2/2003	65.42	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-38-A	3/4/2004	64.31	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-38-A	5/26/2004	64.62	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-38-A	9/15/2004	64.91	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-39-A	3/4/2004	32.57	NA	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-39-A	5/27/2004	32.78	NA	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-39-A	9/14/2004	32.93	NA	< 0.5	< 0.5	0.49	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-42-A	9/9/2003	44.79	NA	< 0.5	< 0.5	3.4	< 0.5	< 0.5	< 0.5	7.2	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-42-A	12/2/2003	44.93	NA	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	6.6	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-42-A	3/4/2004	44.83	NA	< 0.5	< 0.5	2.8	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-42-A	5/27/2004	45	NA	< 0.5	< 0.5	2.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-42-A	9/14/2004	45.2	NA	< 0.5	< 0.5	2.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-43-A	9/9/2003	23.07	NA	< 0.5	< 0.5	0.57	< 0.5	< 0.5	< 0.5	6.9	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-43-A	12/2/2003	23.04	NA	< 0.5	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-43-A	3/4/2004	22.96	NA	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-43-A	5/27/2004	23.00	NA	< 0.5	< 0.5	2	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-43-A	9/14/2004	23.16	NA	< 0.5	< 0.5	2.8	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-44-A	9/9/2003	69.28	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	12	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-44-A	9/14/2004	69.60	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-45-A	9/4/2003	67.30	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-45-A	9/15/2004	67.76	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-46-A	9/4/2003	58.18	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-46-A	9/15/2004	58.60	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-47-A	9/4/2003	39.95	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-47-A	9/15/2004	40.37	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-48-A	9/4/2003	37.06	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-48-A	9/15/2004	37.46	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-49-A	9/4/2003	35.25	NA	< 0.5	< 0.5	2.1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-49-A	12/2/2003	35.66	NA	< 0.5	< 0.5	2.8	0.29	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-49-A	3/4/2004	34.82	NA	< 0.5	< 0.5	1.8	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-49-A	5/26/2004	34.99	NA	< 0.5	< 0.5	1.4	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-49-A	9/15/2004	35.69	NA	< 0.5	< 0.5	4	0.27	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-50-A	9/9/2003	98.68	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	0.86	< 0.5	< 0.5	< 0.5
MW-BW-50-A	12/4/2003	98.99	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	0.95	< 0.5	< 0.5	< 0.5
MW-BW-50-A	3/3/2004	99.13	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	0.65	< 0.5	< 0.5	< 0.5
MW-BW-50-A	5/26/2004	99.43	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	0.83	< 0.5	< 0.5	< 0.5
MW-BW-50-A	9/9/2004	99.58	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	0.87	< 0.5	< 0.5	< 0.5
MW-BW-51-A	9/9/2003	NM	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-51-A	3/3/2004	65.09	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-51-A	3/3/2004	65.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-51-A	5/26/2004	65.35	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-51-A	9/9/2004	65.53	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5

Table 1
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - A-Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
MW-BW-52-A	9/9/2003	79.13	NA	< 0.5	< 0.5	0.88	0.37	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-52-A	12/4/2003	79.43	NA	< 0.5	< 0.5	1.1	0.36	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-52-A	3/3/2004	79.48	NA	< 0.5	< 0.5	1.4	0.37	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-52-A	5/26/2004	79.61	NA	< 0.5	< 0.5	1.2	0.33	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-52-A	9/9/2004	79.76	NA	< 0.5	< 0.5	1.3	0.33	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-53-A	9/10/2003	96.16	NA	< 0.5	< 0.5	15	1.8	< 0.5	< 0.5	13	< 0.5	< 0.5	6.4	< 0.5
MW-BW-53-A	12/3/2003	97.13	NA	< 0.5	< 0.5	13	1.6	< 0.5	< 0.5	< 10	< 0.5	< 0.5	4.7	< 0.5
MW-BW-53-A	3/8/2004	97.37	NA	< 0.5	< 0.5	12	1.8	< 0.5	< 0.5	< 10	< 0.5	< 0.5	4.9	< 0.5
MW-BW-53-A	5/28/2004	97.39	NA	< 0.5	< 0.5	14	1.7	< 0.5	< 0.5	< 10	< 0.5	< 0.5	5.3	< 0.5
MW-BW-53-A	9/9/2004	97.56	NA	< 0.5	< 0.5	13	1.6	< 0.5	< 0.5	< 10	< 0.5	< 0.5	4.9	< 0.5
MW-BW-54-A	9/9/2003	68.24	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-54-A	9/9/2004	69.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-55-A	9/9/2003	NM	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-55-A	12/4/2003	78.60	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-55-A	3/3/2004	78.69	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-55-A	5/26/2004	78.85	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-55-A	9/10/2004	79.03	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-56-A	9/9/2003	67.50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	12	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-56-A	12/5/2003	67.62	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-56-A	3/3/2004	67.83	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-56-A	5/26/2004	68.11	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.34	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-56-A	9/14/2004	68.38	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-57-A	9/9/2003	71.49	NA	2.4	6.7	0.76	0.95	< 0.5	5.6	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-57-A	12/5/2003	71.71	NA	2.7	9.3	0.88	0.94	< 0.5	7.9	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-57-A	3/3/2004	71.93	NA	2.5	3.3	0.76	0.9	< 0.5	4.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-57-A	5/25/2004	72.21	NA	2.4	0.72	0.64	0.82	< 0.5	1.9	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-57-A	9/14/2004	72.36	NA	2.6	< 0.5	0.85	1.1	< 0.5	0.89	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-58-A	9/9/2003	61.87	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	9.3	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-58-A	12/5/2003	61.97	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-58-A	3/3/2004	62.22	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-58-A	5/26/2004	62.45	NA	0.36	< 0.5	< 0.5	0.26	< 0.5	0.51	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-58-A	9/15/2004	62.77	NA	0.49	< 0.5	< 0.5	0.42	< 0.5	0.77	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-59-A	9/9/2003	34.48	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-59-A	12/5/2003	34.61	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-59-A	3/3/2004	34.65	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-59-A	5/25/2004	34.79	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-59-A	9/14/2004	34.95	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-60-A	9/10/2003	69.80	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-60-A	12/5/2003	69.94	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-60-A	3/3/2004	70.28	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-60-A	5/25/2004	70.62	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-60-A	9/14/2004	70.86	NA	< 0.5	< 0.5	1.4	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-61-A	9/18/2003	98.08	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-61-A	12/3/2003	98.52	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	0.43
MW-BW-61-A	3/3/2004	98.68	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-61-A	5/26/2004	98.89	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-61-A	9/13/2004	99.81	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-62-A	9/18/2003	100.21	NA	< 0.5	< 0.5	0.26	0.28	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-62-A	12/4/2003	100.55	NA	< 0.5	< 0.5	0.43	0.34	< 0.5	< 0.5	< 10	0.3	< 0.5	< 0.5	< 0.5
MW-BW-62-A	3/2/2004	100.79	NA	< 0.5	< 0.5	0.45	0.27	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-62-A	7/28/2004	NM	470	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	22	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-62-A	9/7/2004	98.51	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5

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Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
MW-BW-63-A	9/18/2003	101.70	NA	< 0.5	< 0.5	1	0.3	< 0.5	< 0.5	< 10	0.43	< 0.5	< 0.5	< 0.5
MW-BW-63-A	12/4/2003	102.06	NA	< 0.5	< 0.5	1.3	0.34	< 0.5	< 0.5	< 10	0.67	< 0.5	< 0.5	< 0.5
MW-BW-63-A	3/2/2004	102.30	NA	< 0.5	< 0.5	0.96	< 0.5	< 0.5	< 0.5	< 10	0.45	< 0.5	< 0.5	< 0.5
MW-BW-63-A	7/28/2004	NM	260	< 0.5	< 0.5	1.3	0.27	< 0.5	< 0.5	18	0.61	< 0.5	< 0.5	< 0.5
MW-BW-63-A	9/7/2004	100.12	NA	< 0.5	< 0.5	0.95	< 0.5	< 0.5	< 0.5	< 10	0.67	< 0.5	< 0.5	< 0.5
MW-BW-64-A	9/5/2003	94.61	NA	< 0.5	< 0.5	1	0.42	0.32	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-64-A	12/4/2003	94.92	NA	< 0.5	< 0.5	1.1	0.43	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-64-A	3/8/2004	95.11	NA	< 0.5	< 0.5	0.8	0.37	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-64-A	5/28/2004	95.32	NA	< 0.5	< 0.5	0.84	0.37	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-64-A	9/10/2004	95.56	NA	< 0.5	< 0.5	0.77	0.41	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-65-A	9/5/2003	40.17	NA	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-65-A	12/2/2003	40.54	NA	< 0.5	< 0.5	0.7	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-65-A	3/4/2004	39.64	NA	< 0.5	< 0.5	0.66	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-65-A	5/26/2004	39.98	NA	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-65-A	9/15/2004	40.56	NA	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-66-A	9/5/2003	52.35	NA	< 0.5	< 0.5	3.1	0.82	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-66-A	12/3/2003	52.37	NA	< 0.5	< 0.5	1.9	0.65	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-66-A	3/3/2004	52.43	NA	< 0.5	< 0.5	1.8	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-66-A	5/27/2004	52.49	NA	< 0.5	< 0.5	3.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-66-A	9/14/2004	52.65	NA	< 0.5	< 0.5	4.4	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-67-A	9/5/2003	77.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	8.7	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-67-A	12/3/2003	77.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-67-A	3/3/2004	77.17	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-67-A	5/27/2004	77.30	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-67-A	9/14/2004	77.39	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-71-A	9/17/2004	111.55	NA	< 0.5	< 0.5	1.9	0.64	< 0.5	0.41	< 10	< 0.5	< 0.5	0.39	< 0.5
MW-BW-73-A	9/17/2004	36.81	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-74-A	9/17/2004	22.80	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-75-A	9/17/2004	22.89	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 12	< 0.5	< 0.5	< 0.5	< 0.5
MW-BW-76-A	9/17/2004	10.99	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 12	< 0.5	< 0.5	< 0.5	< 0.5
PS-CT-01	9/17/2003	NM	NA	< 0.5	0.64	4.6	0.52	< 0.5	< 0.5	NA	< 0.5	< 0.5	1.2	< 0.5
PS-CT-01	10/31/2003	107.50	NA	< 0.5	< 0.5	4.6	0.58	< 0.5	< 0.5	NA	< 0.5	< 0.5	0.71	< 0.5
PS-CT-01	4/12/2004	NM	NA	NA	NA	4.1	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-01	6/2/2004	NM	NA	NA	NA	4.3	0.4	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-01	7/13/2004	NM	150	NA	NA	4.5	0.42	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-02	10/31/2003	104.62	NA	< 0.5	< 0.5	4.6	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	1.5	< 0.5
PS-CT-02	4/12/2004	NM	NA	NA	NA	4	0.55	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-02	6/2/2004	NM	NA	NA	NA	5.3	1.3	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-02	7/13/2004	NM	120	NA	NA	4.8	0.87	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-03	10/31/2003	105.92	NA	< 0.5	< 0.5	11	1.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	3.3	< 0.5
PS-CT-03	4/12/2004	NM	NA	NA	NA	10	1.4	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-03	6/2/2004	NM	NA	NA	NA	8.6	1.1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-03	7/13/2004	NM	190	NA	NA	11	1.4	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-04	10/31/2003	103.75	NA	< 0.5	0.85	7	0.87	< 0.5	< 0.5	NA	< 0.5	< 0.5	2	< 0.5
PS-CT-04	4/12/2004	NM	NA	NA	NA	7.7	0.94	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-04	6/2/2004	NM	NA	NA	NA	8.2	0.82	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-04	7/13/2004	NM	120	NA	NA	10	1.9	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-05	10/31/2003	104.95	NA	< 0.5	< 0.5	8.3	1	< 0.5	< 0.5	NA	< 0.5	< 0.5	2.5	< 0.5
PS-CT-05	4/12/2004	NM	NA	NA	NA	7.6	1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-05	6/2/2004	NM	NA	NA	NA	7.2	0.92	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-05	7/13/2004	NM	210	NA	NA	9.5	1.7	< 0.5	NA	NA	NA	NA	NA	NA

Table 1
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - A-Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Acetone	Bromo-dichloromethane	Bromoform	Carbon tetrachloride	Chloroform	Chloromethane	Dibromochloromethane	Methyl ethyl ketone (MEK)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride
PS-CT-06	10/31/2003	106.28	NA	< 0.5	< 0.5	7.7	1	< 0.5	< 0.5	NA	< 0.5	< 0.5	2.3	< 0.5
PS-CT-06	4/12/2004	NM	NA	NA	NA	6.6	1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-06	6/2/2004	NM	NA	NA	NA	7.9	1.1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-06	7/13/2004	NM	130	NA	NA	8	1.1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-07	10/31/2003	103.42	NA	< 0.5	< 0.5	10	1.1	< 0.5	< 0.5	NA	< 0.5	< 0.5	3.1	< 0.5
PS-CT-07	4/12/2004	NM	NA	NA	NA	7.9	1.2	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-07	6/2/2004	NM	NA	NA	NA	9.4	1.2	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-07	7/13/2004	NM	130	NA	NA	8.3	1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-08	10/31/2003	104.89	NA	< 0.5	< 0.5	12	1.3	< 0.5	< 0.5	NA	< 0.5	< 0.5	4.1	< 0.5
PS-CT-08	4/12/2004	NM	NA	NA	NA	12	1.4	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-08	6/2/2004	NM	NA	NA	NA	11	1.3	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-08	7/13/2004	NM	72	NA	NA	9.9	1.2	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-09	10/31/2003	102.45	NA	< 0.5	< 0.5	10	1.3	< 0.5	< 0.5	NA	< 0.5	< 0.5	3.8	< 0.5
PS-CT-09	4/12/2004	NM	NA	NA	NA	8.3	1	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-09	6/2/2004	NM	NA	NA	NA	5.7	0.67	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-09	7/13/2004	NM	220	NA	NA	3.7	0.36	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-IW	10/31/2003	105.60	NA	< 0.5	< 0.5	3.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	0.66	< 0.5
PS-CT-IW	4/12/2004	NM	NA	NA	NA	4.4	0.54	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-IW	6/2/2004	NM	NA	NA	NA	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA
PS-CT-IW	7/13/2004	NM	110	NA	NA	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA

Abbreviations:
feet bgs = Feet below ground surface.
ND(#) = Not detected above reporting limit.
NA = Not analyzed.
NM = Not measured.

Footnotes:
[a] All analytes in micrograms per liter (ug/L). Samples were analyzed by United States Environmental Protection Agency (EPA) Method 8260B. Only Detected analytes listed.

Checked: AM

Approved: EA

Table 2
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - Upper 180 Foot Aquifer a
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	1,2-DCA	Carbon tetrachloride	Chloroform	Chloro methane	MEK	Vinyl chloride	Xylenes
MP-BW-37-178	8/19/2003	145.46	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-178	12/8/2003	142.83	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-178	3/4/2004	139.18	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-178	5/27/2004	143.17	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-178	9/14/2004	146.63	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-193	8/19/2003	145.21	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-193	12/8/2003	142.64	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-193	3/4/2004	139.05	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-193	5/27/2004	143.01	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-37-193	9/14/2004	146.47	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-170	8/25/2003	162.91	< 0.5	2	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-170	12/9/2003	160.14	< 0.5	1	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-170	3/4/2004	156.68	< 0.5	1.1	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-170	6/3/2004	160.51	< 0.5	1.7	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-170	9/15/2004	164.36	< 0.5	2.4	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-185	8/25/2003	162.89	< 0.5	1.2	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-185	12/9/2003	160.14	< 0.5	2.3	0.26	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-185	3/4/2004	156.68	< 0.5	2.1	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-185	6/3/2004	160.53	< 0.5	1.6	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-185	9/15/2004	164.39	< 0.5	0.74	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-200	8/25/2003	162.99	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-200	12/9/2003	160.2	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-200	3/4/2004	156.74	< 0.5	0.86	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-200	6/3/2004	160.57	< 0.5	0.79	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-200	9/15/2004	164.44	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-215	8/25/2003	162.97	< 0.5	0.65	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-215	12/9/2003	160.13	< 0.5	0.38	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-215	3/4/2004	156.67	< 0.5	0.43	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-215	6/3/2004	160.5	< 0.5	0.53	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MP-BW-46-215	9/15/2004	164.38	< 0.5	0.41	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-B-13-180	9/5/2003	154.34	< 0.5	3.2	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-B-13-180	5/27/2004	151.78	< 0.5	2.9	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-B-13-180	9/14/2004	155.32	< 0.5	2.7	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-19-180R	9/9/2003	136.71	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-19-180R	12/2/2003	132.67	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-19-180R	3/4/2004	128.86	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-19-180R	5/26/2004	134.57	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-19-180R	9/17/2004	138.04	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5
MW-BW-21-180	9/5/2003	155.2	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-21-180	9/14/2004	156.36	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-22-180	9/9/2003	165.48	< 0.5	3.3	0.28	< 0.5	< 10	< 0.5	< 0.5
MW-BW-22-180	12/4/2003	162.84	< 0.5	3.4	0.28	< 0.5	< 10	< 0.5	< 0.5
MW-BW-22-180	3/4/2004	159.16	< 0.5	3	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-22-180	5/26/2004	163.02	< 0.5	4.1	0.26	< 0.5	< 10	< 0.5	< 0.5
MW-BW-22-180	9/13/2004	166.66	< 0.5	3.2	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-25-180	9/9/2003	157.59	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-25-180	9/13/2004	158.79	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-26-180	9/9/2003	175.12	< 0.5	3.7	0.37	< 0.5	5.5	< 0.5	< 0.5
MW-BW-26-180	12/2/2003	172.38	< 0.5	3.2	0.29	< 0.5	< 10	< 0.5	< 0.5
MW-BW-26-180	3/4/2004	168.87	< 0.5	2.7	0.28	< 0.5	< 10	< 0.5	< 0.5
MW-BW-26-180	5/26/2004	172.89	< 0.5	2.9	0.27	< 0.5	< 10	< 0.5	< 0.5
MW-BW-26-180	9/13/2004	176.38	< 0.5	2.3	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-29-180	9/8/2003	159.25	0.28	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-29-180	9/14/2004	160.23	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-43-180	9/10/2003	143.37	< 0.5	< 0.5	< 0.5	< 0.5	5.7	< 0.5	< 0.5
MW-BW-43-180	12/3/2003	140.44	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-43-180	3/3/2004	136.83	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-43-180	5/25/2004	141.09	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-43-180	9/13/2004	144.59	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-44-180	9/10/2003	158.44	< 0.5	0.75	< 0.5	< 0.5	5.9	< 0.5	< 0.5
MW-BW-44-180	12/3/2003	155.33	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-44-180	3/3/2004	151.60	< 0.5	0.46	< 0.5	< 0.5	< 10	< 0.5	0.71
MW-BW-44-180	5/25/2004	156.08	< 0.5	0.72	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-44-180	9/13/2004	159.67	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5

Table 2
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - Upper 180 Foot Aquifer a
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	1,2-DCA	Carbon tetrachloride	Chloroform	Chloro methane	MEK	Vinyl chloride	Xylenes
MW-BW-47-180	9/10/2003	174.68	< 0.5	0.68	< 0.5	< 0.5	6.5	< 0.5	< 0.5
MW-BW-47-180	12/3/2003	171.73	< 0.5	1.2	0.25	< 0.5	< 10	< 0.5	< 0.5
MW-BW-47-180	3/3/2004	167.78	< 0.5	0.57	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-47-180	5/26/2004	172.20	< 0.5	0.55	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-47-180	9/10/2004	176.04	< 0.5	0.47	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-49-180	9/10/2003	177.99	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-49-180	12/3/2003	175.14	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-49-180	9/9/2004	179.56	< 0.5	< 0.5	< 0.5	< 0.5	21	< 0.5	< 0.5
MW-BW-50-180	8/5/2003	191.86	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5
MW-BW-50-180	9/10/2003	189.03	< 0.5	< 0.5	< 0.5	< 0.5	8.2	< 0.5	< 0.5
MW-BW-50-180	12/3/2003	185.11	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-50-180	3/3/2004	189.15	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-50-180	5/26/2004	193.35	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-50-180	9/9/2004	161.88	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-51-180	9/10/2003	159.00	< 0.5	6.2	0.34	< 0.5	5.4	< 0.5	< 0.5
MW-BW-51-180	12/3/2003	154.99	< 0.5	1.7	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-51-180	3/8/2004	159.10	< 0.5	0.96	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-51-180	5/28/2004	163.31	< 0.5	0.71	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-51-180	9/9/2004	64.75	< 0.5	0.29	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-52-180	9/10/2003	160.89	< 0.5	2.2	0.42	< 0.5	6.1	< 0.5	< 0.5
MW-BW-52-180	12/3/2003	158.15	< 0.5	3.3	0.38	< 0.5	< 10	< 0.5	< 0.5
MW-BW-52-180	3/8/2004	154.20	< 0.5	3.7	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-52-180	5/28/2004	158.27	< 0.5	4.4	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-52-180	9/10/2004	162.46	< 0.5	3.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-53-180	9/10/2003	183.08	< 0.5	< 0.5	< 0.5	< 0.5	7.7	< 0.5	< 0.5
MW-BW-53-180	12/3/2003	180.10	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-53-180	3/8/2004	176.18	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-53-180	5/28/2004	180.58	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-53-180	9/10/2004	184.43	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-54-180	8/5/2003	NM	< 0.5	< 0.5	< 0.5	0.28	NA	< 0.5	< 0.5
MW-BW-54-180	9/8/2003	136.98	< 0.5	< 0.5	< 0.5	0.25	7.9	0.37	< 0.5
MW-BW-54-180	12/4/2003	134.41	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-54-180	3/5/2004	130.85	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-54-180	6/1/2004	134.67	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-54-180	9/14/2004	138.11	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-55-180	8/5/2003	NM	< 0.5	< 0.5	< 0.5	0.27	NA	< 0.5	< 0.5
MW-BW-55-180	9/8/2003	154.93	< 0.5	< 0.5	< 0.5	< 0.5	9.6	< 0.5	< 0.5
MW-BW-55-180	12/4/2003	152.18	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-55-180	3/9/2004	148.84	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-55-180	6/1/2004	152.44	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-55-180	9/14/2004	156.00	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-56-180	8/5/2003	78.11	< 0.5	1.1	< 0.5	< 0.5	NA	< 0.5	< 0.5
MW-BW-56-180	9/11/2003	NM	< 0.5	1.3	< 0.5	< 0.5	10	< 0.5	< 0.5
MW-BW-56-180	12/4/2003	191.80	< 0.5	0.92	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-56-180	3/9/2004	189.51	< 0.5	0.47	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-56-180	6/1/2004	185.09	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
MW-BW-56-180	9/10/2004	189.60	< 0.5	1.1	< 0.5	< 0.5	< 10	< 0.5	< 0.5

Abbreviations:
feet bgs = Feet below ground surface.
ND(#) = Not detected above reporting limit.
NA = Not analyzed.
NM = Not measured.
MEK = Methyl Ethyl Ketone
1,2-DCA = 1,2 Dichloroethane

Checked: AM
Approved: EA

Footnotes:
[a] All analytes in micrograms per liter (ug/L). Samples were analyzed by United States Environmental Protection Agency (EPA) Method 8260B. Only Detected analytes listed.

Table 3

Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - Lower 180 - 400 Foot Aquifer [a]

Volume II: Human Health Risk Assessment

Operable Unit Carbon Tetrachloride Plume

Fort Ord, California

Location	Date	Depth to Water (feet bgs)	1,2-DCA	Bromo dichloromethane	Carbon tetrachloride	Chloroethane	Chloroform	Ethylbenzene		PCE	Toluene	Vinyl chloride	Xylenes
Airfield	9/8/2003	162.45	< 0.5	< 0.5	1.6	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Airfield	12/4/2003	154.4	< 0.5	< 0.5	2.1	< 0.5	0.45	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Airfield	3/24/2004	149.1	< 0.5	< 0.5	1.8	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Airfield	9/14/2004	165.41	< 0.5	< 0.5	1.7	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MCWD-08A	9/5/2003	164.38	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MCWD-08A	12/2/2003	160.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MCWD-08A	3/5/2004	155.23	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MCWD-08A	5/26/2004	162.88	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MCWD-08A	9/15/2004	166.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Mini-Storage	9/9/2003		< 0.5	< 0.5	3.7	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Mini-Storage	12/10/2003		< 0.5	< 0.5	4	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Mini-Storage	3/10/2004		< 0.5	< 0.5	4	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Mini-Storage	6/3/2004		< 0.5	< 0.5	4.4	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
Mini-Storage	9/15/2004		< 0.5	< 0.5	3.6	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-317	8/20/2003	169.93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-317	9/15/2004	170.86	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-342	8/20/2003	169.88	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-342	9/15/2004	170.83	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-397	8/20/2003	169.55	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-30-397	9/15/2004	170.54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-292	8/19/2003	152.08	< 0.5	< 0.5	0.47	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-292	12/8/2003	144.81	< 0.5	< 0.5	0.25	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-292	3/3/2004	140.54	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-292	5/26/2004	149.33	< 0.5	< 0.5	1.2	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-292	9/14/2004	153.34	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-332	8/19/2003	151.37	< 0.5	< 0.5	1.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-332	12/8/2003	144.82	< 0.5	< 0.5	2.1	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-332	3/3/2004	140.72	< 0.5	< 0.5	1.7	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-332	5/26/2004	148.72	< 0.5	< 0.5	1.4	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-332	9/14/2004	152.66	< 0.5	< 0.5	1.4	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-362	8/19/2003	151.17	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-362	12/8/2003	143.22	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-362	3/3/2004	140.61	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-362	5/26/2004	148.57	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-362	9/14/2004	152.51	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-407	8/19/2003	150.65	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-407	12/8/2003	144.26	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-407	3/3/2004	140.23	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-407	5/26/2004	148.14	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-31-407	9/14/2004	152.06	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-332	8/18/2003	167.20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-332	12/8/2003	161.16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-332	3/3/2004	157.03	< 0.5	< 0.5	0.27	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-332	5/26/2004	164.50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-332	9/17/2004	168.47	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-366	8/18/2003	167.07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-366	12/8/2003	161.05	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-366	3/3/2004	156.90	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-366	5/26/2004	164.40	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-366	9/17/2004	NM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-412	8/18/2003	167.10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-412	12/8/2003	160.88	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-412	3/3/2004	156.68	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-412	5/26/2004	164.29	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-32-412	9/17/2004	168.28	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-33-317	8/20/2003	168.35	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-33-317	9/15/2004	169.48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-33-352	8/20/2003	168.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-33-352	9/15/2004	169.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-33-397	8/20/2003	168.22	< 0.5	< 0.5	< 0.5	0.37	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.47	< 0.5
MP-BW-33-397	9/15/2004	169.33	< 0.5	< 0.5	< 0.5	0.8	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-292	8/21/2003	146.32	< 0.5	< 0.5	0.41	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-292	12/9/2003	137.16	< 0.5	< 0.5	0.25	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-292	3/3/2004	131.92	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-292	6/1/2004	143.07	< 0.5	< 0.5	0.44	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-292	9/13/2004	147.79	< 0.5	< 0.5	0.38	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-357	8/21/2003	144.68	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-357	12/9/2003	137.18	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-357	3/3/2004	132.38	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-357	6/1/2004	141.66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-357	9/13/2004	146.27	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-422	8/21/2003	144.42	< 0.5	< 0.5	0.28	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-422	12/9/2003	137.03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-422	3/3/2004	132.31	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-422	6/1/2004	141.37	< 0.5	< 0.5	0.39	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-34-422	9/13/2004	145.94	< 0.5	< 0.5	0.31	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5

Table 3
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - Lower 180 - 400 Foot Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	1,2-DCA	Bromo dichloromethane	Carbon tetrachloride	Chloroethane	Chloroform	Ethylbenzene		PCE	Toluene	Vinyl chloride	Xylenes
MP-BW-35-312	8/21/2003	157.89	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-312	12/10/2003	148.04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-312	3/4/2004	142.62	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-312	5/28/2004	154.34	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-312	9/13/2004	158.81	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-366	8/21/2003	157.48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-366	12/10/2003	148.07	< 0.5	< 0.5	0.33	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-366	3/4/2004	142.78	< 0.5	< 0.5	0.31	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-366	5/28/2004	154.02	< 0.5	< 0.5	0.71	< 1	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-366	9/13/2004	158.47	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-402	8/21/2003	157.42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-402	12/10/2003	148.01	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-402	3/4/2004	142.73	< 0.5	< 0.5	0.32	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-402	5/28/2004	153.96	< 0.5	< 0.5	0.28	< 1	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-402	9/13/2004	158.43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-467	8/21/2003	157.31	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-35-467	9/13/2004	158.21	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-303	8/19/2003	150.03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-303	12/8/2003	143.64	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	0.25	< 0.5	< 0.5	< 0.5
MP-BW-37-303	3/4/2004	139.39	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	0.51	< 0.5	0.61	0.55
MP-BW-37-303	5/27/2004	147.44	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-303	9/14/2004	151.23	< 0.5	< 0.5	0.41	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-328	8/19/2003	150.02	< 0.5	< 0.5	3.1	< 0.5	0.36	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-328	12/8/2003	143.68	< 0.5	< 0.5	2.6	< 0.5	0.42	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-328	3/4/2004	139.48	< 0.5	< 0.5	2.2	< 0.5	0.51	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-328	5/27/2004	147.48	< 0.5	0.26	2.8	< 0.5	0.43	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-328	9/14/2004	151.27	< 0.5	< 0.5	3	< 0.5	0.4	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-368	8/19/2003	149.79	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-368	12/8/2003	143.40	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-368	3/4/2004	139.18	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.3	< 0.5
MP-BW-37-368	5/27/2004	147.16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-368	9/14/2004	150.97	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-398	8/19/2003	149.58	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-398	12/8/2003	143.17	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-398	3/4/2004	139.02	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-398	5/27/2004	146.95	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-398	9/14/2004	150.71	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-460	8/19/2003	150.48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.38	< 0.5	< 0.5
MP-BW-37-460	12/8/2003	144.07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-460	3/4/2004	139.97	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-460	5/27/2004	147.85	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-37-460	9/14/2004	151.61	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-327	8/25/2003	146.03	1.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.27	1.3	< 0.5
MP-BW-38-327	12/10/2003	134.49	0.31	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.64	< 0.5
MP-BW-38-327	3/5/2004	129.95	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.54	< 0.5
MP-BW-38-327	6/2/2004	142.15	0.41	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.59	< 0.5
MP-BW-38-327	9/9/2004	146.67	1.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.95	< 0.5
MP-BW-38-341	8/25/2003	NM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.35	0.37	< 0.5
MP-BW-38-341	12/10/2003	132.41	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.66	< 0.5
MP-BW-38-341	3/5/2004	NM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.35	< 0.5
MP-BW-38-341	6/2/2004	140.07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.33	< 0.5
MP-BW-38-341	9/9/2004	144.66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.55	< 0.5
MP-BW-38-353	8/25/2003	143.95	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.25	0.25	< 0.5
MP-BW-38-353	12/10/2003	133.45	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.51	1.9	< 0.5
MP-BW-38-353	3/5/2004	127.78	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.43	< 0.5
MP-BW-38-353	6/2/2004	140.00	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.25	< 0.5
MP-BW-38-353	9/9/2004	144.57	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.27	< 0.5
MP-BW-38-368	8/25/2003	146.24	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	1.2	< 0.5	0.32
MP-BW-38-368	12/10/2003	134.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-368	3/5/2004	130.03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-368	6/2/2004	142.23	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.28	< 0.5	< 0.5
MP-BW-38-368	9/9/2004	146.80	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-418	8/25/2003	145.92	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-418	12/10/2003	134.34	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.26	< 0.5
MP-BW-38-418	3/5/2004	129.92	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.31	< 0.5
MP-BW-38-418	6/2/2004	142.07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-38-418	9/9/2004	146.63	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-310	8/21/2003	157.58	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-310	12/9/2003	148.88	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-310	3/8/2004	143.99	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-310	6/1/2004	154.56	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.35	< 0.5
MP-BW-39-310	9/9/2004	158.55	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5

Table 3
Risk Assessment Data Set of Volatile Organic Compounds (VOCs) in Groundwater - Lower 180 - 400 Foot Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	1,2-DCA	Bromo dichloromethane	Carbon tetrachloride	Chloroethane	Chloroform	Ethylbenzene		PCE	Toluene	Vinyl chloride	Xylenes
MP-BW-39-330	8/21/2003	157.43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.38	< 0.5
MP-BW-39-330	12/9/2003	148.76	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.34	< 0.5
MP-BW-39-330	3/8/2004	143.89	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.29	< 0.5
MP-BW-39-330	6/1/2004	154.43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-330	9/9/2004	158.42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-350	8/21/2003	157.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.36	< 0.5
MP-BW-39-350	12/9/2003	148.73	0.38	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.75	< 0.5
MP-BW-39-350	3/8/2004	143.84	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.73	< 0.5
MP-BW-39-350	6/1/2004	154.39	0.25	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.4	< 0.5
MP-BW-39-350	9/9/2004	158.42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.6	< 0.5
MP-BW-39-395	8/21/2003	156.65	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.48	< 0.5
MP-BW-39-395	12/9/2003	147.93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.28	< 0.5
MP-BW-39-395	3/8/2004	143.09	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.34	0.3	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-395	6/1/2004	153.61	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-39-395	9/9/2004	157.62	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.32	< 0.5
MP-BW-40-333	8/22/2003	149.28	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	0.48	0.39	< 0.5
MP-BW-40-333	12/10/2003	138.78	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.43	< 0.5
MP-BW-40-333	3/8/2004	132.85	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.32	< 0.5
MP-BW-40-333	6/2/2004	145.38	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.3	< 0.5
MP-BW-40-333	9/9/2004	149.97	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	0.47	< 0.5
MP-BW-40-353	8/22/2003	149.27	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-353	12/10/2003	138.79	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-353	3/8/2004	132.89	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-353	6/2/2004	145.39	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-353	9/9/2004	150.01	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-375	8/22/2003	148.96	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-375	12/10/2003	138.53	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-375	3/8/2004	132.62	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-375	6/2/2004	145.10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-375	9/9/2004	149.72	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-400	8/22/2003	148.61	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-400	12/10/2003	138.59	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-400	3/8/2004	132.66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-400	6/2/2004	145.21	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5
MP-BW-40-400	9/9/2004	149.78	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	< 0.5	< 0.5	< 0.5	< 0.5

Abbreviations:
feet bgs = Feet below ground surface.
ND(#) = Not detected above reporting limit.
NA = Not analyzed.
NM = Not measured.
1,2-DCA = 1,2 Dichloroethane
PCE = Tetrachloroethene

Footnotes:

[a] All analytes in micrograms per liter (ug/L). Samples were analyzed by United States Environmental Protection Agency (EPA) Method 8260B. Only Detected analytes listed.

Checked: NM

Approved: EA

Table 4
Risk Assessment Data Set of Volatile Organic Compounds (VOCs)
in Groundwater - 400 Foot Aquifer [a]
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Location	Date	Depth to Water (feet bgs)	Vinyl chloride
MP-BW-30-467	8/20/2003	169.01	0.33
MP-BW-30-467	9/15/2004	169.97	0.48
MP-BW-30-537	8/20/2003	169.38	< 0.5
MP-BW-30-537	9/15/2004	170.35	< 0.5
MP-BW-31-457	8/19/2003	150.81	< 0.5
MP-BW-31-457	9/14/2004	151.89	< 0.5
MP-BW-31-522	8/19/2003	151.68	< 0.5
MP-BW-31-522	9/14/2004	152.56	< 0.5
MP-BW-32-472	8/18/2003	167.02	< 0.5
MP-BW-32-472	9/17/2004	168.17	< 0.5
MP-BW-32-522	8/18/2003	167.55	< 0.5
MP-BW-32-522	9/17/2004	168.57	< 0.5
MP-BW-34-492	8/21/2003	144.7	0.25
MP-BW-34-492	9/13/2004	146.02	0.29
MP-BW-34-537	8/21/2003	147.83	< 0.5
MP-BW-34-537	9/13/2004	148.4	< 0.5
MP-BW-35-527	8/21/2003	157.2	< 0.5
MP-BW-35-527	9/13/2004	158.07	< 0.5
MP-BW-35-562	8/21/2003	159.47	< 0.5
MP-BW-35-562	9/13/2004	159.79	< 0.5

Abbreviations:
feet bgs = Feet below ground surface.
ND(#) = Not detected above reporting limit.
NA = Not analyzed.

Footnotes:
[a] All analytes in micrograms per liter (ug/L). Samples were analyzed by United States Environmental Protection Agency (EPA) Method 8260B. Only Detected analytes listed.

Checked: RM

Approved: EA

Table 5
Summary of Volatile Organic Compounds (VOCs) in Soil Gas [a]
Human Health Risk Assessment
OU Carbon Tetrachloride Plume
Fort Ord, California

Station Name	Sample Date	Depth of Sample (feet bgs)	Acetone	Carbon Tetrachloride	Chloroform	PCE	TCE
CTP-SGP-35	6/18/2004	6	NA	0.54	0.08	0.12	0.15
CTP-SGP-37 [b]	6/18/2004	6	NA	0.095	0.069	0.098	0.175
CTP-SGP-48	6/18/2004	6	NA	0.21	0.65	0.064	ND(0.82)
CTP-SGP-49	6/18/2004	6	NA	0.22	ND(0.82)	0.07	ND(0.82)
CTP-SGP-50	6/18/2004	6	NA	0.13	0.23	0.079	0.069
CTP-SGP-51	6/16/2004	30	NA	0.082	0.17	ND(0.84)	ND(0.84)
CTP-SGP-51	6/16/2004	60	NA	0.084	0.12	0.048	0.089
CTP-SGP-51	6/16/2004	85	NA	0.55	0.24	0.076	0.15
CTP-SGP-52	6/16/2004	30	NA	0.18	0.64	0.14	ND(0.82)
CTP-SGP-52	6/16/2004	60	NA	0.68	2.2	0.29	0.28
CTP-SGP-52	9/2/2004	85	NA	5.6	1.8	0.44	ND(0.82)
CTP-SGP-52	9/23/2004	85	NA	2.7	2.1	0.28	ND(0.76)
CTP-SGP-52 [b]	6/16/2004	85	NA	3.2	1.95	0.28	0.14
CTP-SGP-53	6/16/2004	30	NA	ND(0.84)	0.94	ND(0.84)	ND(0.84)
CTP-SGP-53	6/16/2004	60	NA	0.22	9.1	ND(0.86)	ND(0.86)
CTP-SGP-53	6/16/2004	85	NA	16	3.8	0.53	ND(0.86)
CTP-SGP-53	9/2/2004	85	NA	12	4.4	0.49	ND(0.80)
CTP-SGP-53	9/23/2004	85	NA	14	4.5	0.54	ND(0.73)
CTP-SGP-54	6/16/2004	30	NA	ND(0.82)	1.1	ND(0.82)	ND(0.82)
CTP-SGP-54	6/16/2004	60	NA	0.22	1.6	2.4	ND(0.84)
CTP-SGP-54	6/16/2004	85	NA	2.2	0.86	2.8	ND(0.82)
CTP-SGP-55	6/17/2004	60	NA	ND(0.86)	0.77	0.22	ND(0.86)
CTP-SGP-55	6/17/2004	85	NA	24	4.6	3.1	0.78
CTP-SGP-55	7/2/2004	85	NA	37	6.3	4.3	1.2
CTP-SGP-55	7/20/2004	85	NA	37	6.2	4.5	1.3
CTP-SGP-55	8/4/2004	85	NA	35	6.2	4.8	1.3
CTP-SGP-55	9/23/2004	85	NA	20	4.3	3.4	0.69
CTP-SGP-55	10/7/2004	85	NA	7.2	1.8	1.1	ND(0.80)
CTP-SGP-55	10/14/2004	85	NA	11	3.5	2.7	0.35
CTP-SGP-55 [b]	6/17/2004	30	NA	0.18	0.45	ND(0.84)	0.56
CTP-SGP-55 [b]	9/2/2004	85	NA	25.5	5	3.5	0.97
CTP-SGP-56	6/17/2004	30	NA	ND(0.84)	0.2	ND(0.84)	ND(0.84)
CTP-SGP-56	6/17/2004	60	NA	ND(0.84)	0.19	0.17	ND(0.84)
CTP-SGP-56	6/17/2004	85	NA	10	2.1	1.3	0.33
CTP-SGP-56	9/2/2004	85	NA	9	2	1.4	ND(0.82)
CTP-SGP-56	9/23/2004	85	NA	9.4	2	1.3	0.46
CTP-SGP-56	10/14/2004	85	NA	6.7	2.2	1.2	ND(0.82)
CTP-SGP-56 [b]	10/7/2004	85	NA	8.05	2.3	1.6	0.255
CTP-SGP-57	6/17/2004	30	NA	0.1	2.1	0.37	0.12
CTP-SGP-57	6/17/2004	60	NA	0.084	19	0.36	0.18
CTP-SGP-57	6/17/2004	85	NA	1.6	3.6	24	0.084
CTP-SGP-58	6/15/2004	30	NA	0.09	0.83	ND(0.84)	ND(0.84)
CTP-SGP-58	6/15/2004	60	NA	0.13	ND(0.84)	0.63	ND(0.84)
CTP-SGP-58	6/15/2004	85	NA	0.26	0.8	6.8	ND(0.86)
CTP-SGP-59	6/15/2004	30	NA	0.12	ND(0.82)	ND(0.82)	ND(0.82)
CTP-SGP-59	6/15/2004	60	NA	0.25	0.99	0.22	1
CTP-SGP-59	6/15/2004	85	NA	1.4	1.7	0.57	1.4
CTP-SGP-60	6/15/2004	30	NA	0.13	0.28	ND(0.84)	ND(0.84)
CTP-SGP-60	6/15/2004	60	NA	0.093	0.41	ND(0.82)	ND(0.82)
CTP-SGP-60	6/15/2004	85	NA	0.68	0.66	0.15	0.45
CTP-SGP-61	6/15/2004	30	NA	0.12	0.4	ND(0.84)	0.32
CTP-SGP-61	6/15/2004	60	NA	0.32	0.37	1.1	ND(0.84)
CTP-SGP-61	6/15/2004	85	NA	0.2	0.15	0.2	ND(0.84)
CTP-SGP-62	6/17/2004	30	NA	0.27	0.61	0.19	0.071
CTP-SGP-62	6/17/2004	60	NA	0.35	0.81	0.26	0.098
CTP-SGP-62	6/17/2004	85	NA	0.63	1.2	0.4	0.39
CTP-SGP-62	7/2/2004	85	NA	3.5	1.7	0.51	0.46
CTP-SGP-62	7/20/2004	85	NA	7.6	2.3	0.7	0.44
CTP-SGP-62	8/4/2004	85	NA	10	2.8	1.1	ND(0.74)
CTP-SGP-62	9/2/2004	85	NA	11	2.9	0.9	0.78

Table 5
Summary of Volatile Organic Compounds (VOCs) in Soil Gas [a]
Human Health Risk Assessment
OU Carbon Tetrachloride Plume
Fort Ord, California

Station Name	Sample Date	Depth of Sample (feet bgs)	Acetone	Carbon Tetrachloride	Chloroform	PCE	TCE
CTP-SGP-62	9/23/2004	85	NA	0.68	2.5	0.37	ND(0.76)
CTP-SGP-63	9/2/2004	30	NA	1.1	0.12	ND(0.79)	ND(0.79)
CTP-SGP-63	9/2/2004	60	NA	3.1	0.24	ND(0.80)	ND(0.80)
CTP-SGP-63	9/2/2004	85	NA	33	0.98	0.49	0.38
CTP-SGP-63	9/23/2004	85	NA	42	1.4	0.71	0.64
CTP-SGP-63	10/7/2004	85	NA	29	1.1	0.48	0.38
CTP-SGP-63	10/14/2004	85	NA	34	1.2	0.63	0.54
CTP-SGP-63	10/22/2004	85	NA	26	1	0.47	0.43
CTP-SGP-64	9/1/2004	30	NA	0.36	0.19	ND(0.76)	ND(0.76)
CTP-SGP-64	9/1/2004	60	NA	1.8	0.14	ND(0.79)	0.17
CTP-SGP-64	9/1/2004	85	NA	4.8	0.21	ND(0.74)	ND(0.74)
CTP-SGP-64	9/23/2004	85	NA	3.4	0.18	ND(0.88)	ND(0.88)
CTP-SGP-65	9/1/2004	30	NA	2.9	0.96	0.16	ND(0.76)
CTP-SGP-65	9/1/2004	60	NA	17	1.2	0.3	ND(0.80)
CTP-SGP-65	9/1/2004	85	NA	27	1.6	0.39	ND(0.76)
CTP-SGP-65	9/23/2004	85	NA	34	1.8	0.6	ND(0.88)
CTP-SGP-65	10/7/2004	85	NA	24	1.4	0.48	ND(0.80)
CTP-SGP-65	10/14/2004	85	NA	31	1.7	0.47	ND(0.82)
CTP-SGP-65	10/22/2004	85	NA	22	1.3	0.37	ND(0.84)
CTP-SGP-66	9/2/2004	85	NA	ND(0.79)	ND(0.79)	ND(0.79)	ND(0.79)

Abbreviations:
feet bgs = Feet below ground surface.
PCE = Tetrachloroethene.
TCE = Trichloroethene.
ND(#) = Not detected above reporting limit.
DUP = Duplicate sample.
NA = Not analyzed.

Footnotes:
[a] All analytes in parts per billion by volume. Samples were analyzed by United States Environmental Protection Agency (EPA) Method TO-15.
[b] Duplicate sample. If both samples had detections, then detections were averaged. If one sample had a detection and the other was ND, then the detected sample was used.

Checked
Approved

Table 6
Selection of Chemicals of Potential Concern (COPCs) for Groundwater
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Analytes	Minimum Detected Value (µg/L)	Maximum Detected Value (µg/L)	Number of Detections	Number of Analyses	Frequency of Detection (FOD) (%)	Is the Frequency of Detection Greater than 2.5%?	Is the Chemical Selected As a COPC?
A-Aquifer							
1,2-Dichloroethane	--	--	--	--	--	--	--
Acetone [a]	7.2E+01	4.7E+02	13	13	100.0%	Yes	No
Bromodichloromethane	**3.6E-01**	**2.7E+00**	**12**	**242**	**5.0%**	**Yes**	**Yes**
Bromoform	**6.4E-01**	**9.3E+00**	**5**	**242**	**2.1%**	**No**	**Yes**
Carbon Tetrachloride	**2.6E-01**	**1.5E+01**	**161**	**274**	**58.8%**	**Yes**	**Yes**
Chloroethane	--	--	--	--	--	--	--
Chloroform	**2.5E-01**	**1.9E+00**	**101**	**274**	**36.9%**	**Yes**	**Yes**
Chloromethane	2.5E-01	3.2E-01	2	274	0.7%	No	No
Dibromochloromethane	**3.4E-01**	**7.9E+00**	**10**	**242**	**4.1%**	**Yes**	**Yes**
Ethylbenzene	--	--	--	--	--	--	--
Methyl Ethyl Ketone (MEK) [b]	6.0E+00	2.2E+01	17	231	7.4%	Yes	No
Tetrachloroethene	**2.5E-01**	**9.5E-01**	**12**	**242**	**5.0%**	**Yes**	**Yes**
Toluene	7.6E-01	7.6E-01	1	242	0.4%	No	No
Trichloroethene	**2.7E-01**	**6.4E+00**	**41**	**242**	**16.9%**	**Yes**	**Yes**
Vinyl Chloride	4.3E-01	4.3E-01	1	242	0.4%	No	No
Xylenes	--	--	--	--	--	--	--
Upper 180 Foot - Aquifer							
1,2-Dichloroethane	2.8E-01	2.8E-01	1	111	0.9%	No	No
Acetone	--	--	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--
Carbon Tetrachloride	**2.9E-01**	**6.2E+00**	**53**	**111**	**47.7%**	**Yes**	**Yes**
Chloroethane	--	--	--	--	--	--	--
Chloroform	**2.5E-01**	**4.2E-01**	**12**	**111**	**10.8%**	**Yes**	**Yes**
Chloromethane	**2.5E-01**	**2.8E-01**	**3**	**111**	**2.7%**	**Yes**	**Yes**
Dibromochloromethane	--	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	--	--
Methyl Ethyl Ketone (MEK) [b]	5.4E+00	2.1E+01	12	106	11.3%	Yes	No
Tetrachloroethene	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--
Vinyl Chloride	3.7E-01	3.7E-01	1	111	0.9%	No	No
Xylenes	7.1E-01	7.1E-01	1	111	0.9%	No	No
Lower 180 - 400 Foot - Aquifer							
1,2-Dichloroethane	**2.5E-01**	**1.7E+00**	**7**	**183**	**3.8%**	**Yes**	**Yes**
Acetone	--	--	--	--	--	--	--
Bromodichloromethane	2.6E-01	2.6E-01	1	183	0.5%	No	No
Bromoform	--	--	--	--	--	--	--
Carbon Tetrachloride	**2.5E-01**	**4.4E+00**	**37**	**183**	**20.2%**	**Yes**	**Yes**
Chloroethane	3.7E-01	8.0E-01	2	183	1.1%	No	No
Chloroform	**3.6E-01**	**5.1E-01**	**5**	**183**	**2.7%**	**Yes**	**Yes**
Chloromethane	--	--	--	--	--	--	--
Dibromochloromethane	--	--	--	--	--	--	--
Ethylbenzene	3.4E-01	3.4E-01	1	183	0.5%	No	No
Methyl Ethyl Ketone (MEK)	--	--	--	--	--	--	--
Tetrachloroethene	2.5E-01	5.1E-01	2	183	1.1%	No	No
Toluene	**2.5E-01**	**1.2E+00**	**8**	**183**	**4.4%**	**Yes**	**Yes**
Trichloroethene	--	--	--	--	--	--	--
Vinyl Chloride [c]	2.5E-01	1.9E+00	37	183	20.2%	Yes	No
Xylenes	3.2E-01	5.5E-01	2	183	1.1%	No	No
400 Foot-Aquifer							
1,2-Dichloroethane	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--	--	--
Bromoform	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--
Chloromethane	--	--	--	--	--	--	--
Dibromochloromethane	--	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	--	--
Methyl Ethyl Ketone (MEK)	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--
Vinyl Chloride [c]	2.5E-01	4.8E-01	4	20	20.0%	No	No
Xylenes	--	--	--	--	--	--	--

Abbreviations:
µg/L = Micrograms per liter.
-- = Not applicable.
Bold analytes are chemicals of potential concern and further evaluated.

Checked: AM

Approved: EA

Footnotes:

[a] Acetone is considered a false positive and appears to be from the passive diffusion bags (Section 2.2).

[b] MEK is considered a false positive and appears to be from the hardware used to collect the samples (Section 2.2).

[c] Vinyl chloride is only detected in Westbay wells within the Lower 180-400 Foot-Aquifer and 400 Foot-Aquifer. The Westbay well detections are believed to be associated with the off-gassing of the PVC casing (Section 2.2).

Table 7
Exposure Point Concentrations for Groundwater
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemicals of Concern	Minimum Detected Value (µg/L)	Maximum Detected Value (µg/L)	Number of Detections	Number of Analyses	Frequency of Detection (FOD) (%)	Arithmetic Average (µg/L)	Standard Deviation (µg/L)	W-test for Normality (µg/L)	W-test for Log-normality (µg/L)	Arithmetic 95% UCL on the mean (µg/L)	95% UCL by Land's Method (µg/L)	Bootstrap Estimate of the 95% UCL (µg/L)	Exposure Point Concentration (EPC) [a] (µg/L)	Basis for EPC
A-Aquifer														
Bromodichloromethane	3.6E-01	2.7E+00	12	242	5.0%	3.3E-01	3.8E-01	Failed	Failed	3.7E-01	3.1E-01	3.6E-01	3.6E-01	Bootstrap 95%UCL
Bromoform	6.4E-01	9.3E+00	5	242	2.1%	3.3E-01	7.4E-01	Failed	Failed	4.1E-01	2.9E-01	3.9E-01	3.9E-01	Bootstrap 95%UCL
Carbon Tetrachloride	2.6E-01	1.5E+01	161	274	58.8%	2.6E+00	3.5E+00	Failed	Failed	2.9E+00	3.2E+00	2.9E+00	2.9E+00	Bootstrap 95%UCL
Chloroform	2.5E-01	1.9E+00	101	274	36.9%	4.6E-01	3.7E-01	Failed	Failed	4.9E-01	4.7E-01	4.9E-01	4.9E-01	Bootstrap 95%UCL
Dibromochloromethane	3.4E-01	7.9E+00	10	242	4.1%	3.4E-01	6.7E-01	Failed	Failed	4.1E-01	3.1E-01	3.9E-01	3.9E-01	Bootstrap 95%UCL
Tetrachloroethene	2.5E-01	9.5E-01	12	242	5.0%	2.7E-01	9.6E-02	Failed	Failed	2.8E-01	2.7E-01	2.8E-01	2.8E-01	Bootstrap 95%UCL
Trichloroethene	2.7E-01	6.4E+00	41	242	16.9%	5.3E-01	9.1E-01	Failed	Failed	6.3E-01	4.7E-01	6.1E-01	6.1E-01	Bootstrap 95%UCL
Upper 180 Foot - Aquifer														
Carbon Tetrachloride	2.9E-01	6.2E+00	53	111	47.7%	1.0E+00	1.2E+00	Failed	Failed	1.2E+00	1.2E+00	1.2E+00	1.2E+00	Bootstrap 95%UCL
Chloroform	2.5E-01	4.2E-01	12	111	10.8%	2.6E-01	2.5E-02	Failed	Failed	2.6E-01	2.6E-01	2.6E-01	2.6E-01	Bootstrap 95%UCL
Chloromethane	2.5E-01	2.8E-01	3	111	2.7%	2.5E-01	3.4E-03	Failed	Failed	2.5E-01	2.5E-01	1.0E+35	2.8E-01	Maximum
Lower 180 - 400 Foot - Aquifer														
1,2-Dichloroethane	2.5E-01	1.7E+00	7	183	3.8%	2.7E-01	1.3E-01	Failed	Failed	2.8E-01	2.7E-01	2.8E-01	2.8E-01	Bootstrap 95%UCL
Carbon Tetrachloride	2.5E-01	4.4E+00	37	183	20.2%	5.1E-01	7.8E-01	Failed	Failed	6.1E-01	4.7E-01	6.0E-01	6.0E-01	Bootstrap 95%UCL
Chloroform	3.6E-01	5.1E-01	5	183	2.7%	2.6E-01	3.3E-02	Failed	Failed	2.6E-01	2.6E-01	2.6E-01	2.6E-01	Bootstrap 95%UCL
Toluene	2.5E-01	1.2E+00	8	183	4.4%	2.6E-01	7.5E-02	Failed	Failed	2.7E-01	2.6E-01	2.7E-01	2.7E-01	Bootstrap 95%UCL

Abbreviations:
µg/L = Micrograms per liter.
95% UCL = 95 Percent upper confidence limit.

Footnotes:
[a] EPC selected as follows:
- If W-test for normality did not fail, data set assumed to be normally distributed. EPC is the lesser of the Arithmetic 95% UCL and the maximum detected value.
- If W-test for normality failed and W-test for log-normality did not fail, data set assumed to be log-normally distributed. EPC is the lesser of the Land's 95% UCL and the maximum detected value.
- If both the W-test for normality failed and W-test for log-normality failed, data set assumed to be neither normally nor log-normally distributed. EPC is the lesser of the Bootstrap 95% UCL and the maximum detected value.

Checked: 

Approved:

Table 8
Concentration of Contaminant in Air While Showering
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemicals of Potential Concern (COPCs)	Henry's law constant [a] (Pa-L/mol) H	Diffusion Coefficient In Pure Air [a] (m^2/sec) D_{air}	Diffusion Coefficient In Pure Water [a] (m^2/sec) D_{water}	Universal Gas Constant (Pa-L/mol-K) R	Temperature [b] (Kelvin) T	Mass Transfer Efficiency [c] (unitless) ϕ(bath)	Fraction of Tap Water from groundwater (unitless) fq	Water Use Rate [a] (L/hour) W_{bath}	Ventilation Rate [a] (m^3/hour) VR_{bath}	Transfer Factor [d] (L/m^3) TF	Groundwater Exposure Point Concentration [e] (µg/L) EPC_{gw}	Air Exposure Point Concentration [f] (µg/m^3) EPC_{air}
A-Aquifer												
Bromodichloromethane	1.8E+05	3.0E-06	1.1E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.7E-11	3.6E-01	3.5E-11
Bromoform	4.7E+04	1.5E-06	1.1E-09	8.3E+03	3.1E+02	1.0E-11	1	480	60	8.3E-11	3.9E-01	3.2E-11
Carbon tetrachloride	2.7E+06	7.8E-06	1.0E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.3E-11	2.9E+00	2.7E-10
Chloroform	4.3E+05	1.0E-05	1.1E-09	8.3E+03	3.1E+02	1.3E-11	1	480	60	1.0E-10	4.9E-01	4.9E-11
Dibromochloroethane	--	2.6E-08	1.4E-11	8.3E+03	3.1E+02	--	1	480	60	--	3.9E-01	--
Tetrachloroethene	1.5E+06	7.6E-06	1.0E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.3E-11	2.8E-01	2.6E-11
Trichloroethene	8.9E+05	7.9E-06	1.0E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.5E-11	6.1E-01	5.8E-11
Upper 180 Foot - Aquifer												
Carbon tetrachloride	2.7E+06	7.8E-06	1.0E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.3E-11	1.2E+00	1.1E-10
Chloroform	4.3E+05	1.0E-05	1.1E-09	8.3E+03	3.1E+02	1.3E-11	1	480	60	1.0E-10	2.6E-01	2.6E-11
Chloromethane	8.3E+05	1.3E-05	1.6E-09	8.3E+03	3.1E+02	1.6E-11	1	480	60	1.3E-10	2.8E-01	3.6E-11
Lower 180 - 400 Foot - Aquifer												
1,2-Dichloroethane	1.2E+05	8.6E-06	1.1E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.8E-11	2.8E-01	2.7E-11
Carbon tetrachloride	2.7E+06	7.8E-06	1.0E-09	8.3E+03	3.1E+02	1.2E-11	1	480	60	9.3E-11	6.0E-01	5.5E-11
Chloroform	4.3E+05	1.0E-05	1.1E-09	8.3E+03	3.1E+02	1.3E-11	1	480	60	1.0E-10	2.6E-01	2.6E-11
Toluene	6.6E+05	8.7E-06	9.8E-10	8.3E+03	3.1E+02	1.1E-11	1	480	60	9.1E-11	2.7E-01	2.4E-11

Abbreviations:
Pa-L/mol = Pascals-liter per mole.
m^2/sec = Meters squared per second.
Pa-L/mol-kelvin= Pascals-liter per moles kelvin.
L/hour = Liters per hour.
m^3/hour = Cubic meters per hour.
L/m^3 = Liters per cubic meter.
µg/L = Micrograms per liter.
µg/m^3 = Micrograms per cubic meter.

Footnotes:
[a] Values from CalEPA, 1993.
[b] Temperature based on a shower/bathing water at 40 degrees Celsius.
[c] $\phi(bath) = 0.6 \times ((3E10^{4}(m^2/s)^{2/3})/((2.5/D_i^{2/3})+((R \times T)/(h \times D_a^{2/3}))))$
[d] TF (q→ $bath_{air}$) = $f_q \times ((W_{bath} \times \phi_R(bath))/VR_{bath})$
[e] From Table 6.
[f] EPC_{air} = TF x EPC_{gw}

References:
California Environmental Protection Agency (CalEPA), 1993. CalTOX, A Multimedia Total Exposure Model For Hazardous Waste Sites; Part III: The Multiple Pathway Exposure Model. Department of Toxic Substance Control. December.

Checked: JM

Approved: EA

Table 9
Exposure Parameters
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Exposure Parameter	Adult Resident	Source	Child Resident	Source
Inhalation Pathway - Showering				
EPC = Exposure point concentration in air ($\mu g/m^3$)	chemical specific	Tables 8	chemical specific	Tables 8
CF = Conversion factor (mg/µg)	0.001	--	0.001	--
IR_{inh} = Inhalation Rate (m^3/hour)	0.83	Adult: EPA, 1991a; CalEPA, 1992	0.42	Average child aged 6-8 years (EPA, 1997a)
ET = Exposure Time (hours/day)	0.58	RME scenario; EPA, 2004b	1	RME scenario; EPA, 2004b
	0.25	AE scenario; EPA, 2004b	0.33	AE scenario; EPA, 2004b
EF = Exposure Frequency (days/year)	350	EPA 1991a; CalEPA, 1992	350	EPA 1991a; CalEPA, 1992
ED = Exposure Duration (years)	24	RME scenario; EPA, 1991a; CalEPA, 1992	6	RME scenario; EPA, 1991a; CalEPA, 1992
	9	AE scenario; EPA, 2004b	6	AE scenario
BW = Body Weight (kilograms)	70	EPA, 1989; CalEPA, 1992	15	EPA, 1991a; CalEPA, 1992
AT = Averaging Time (days)				
- AT_{nc} for noncarcinogens	8,760	RME scenario (24 years x 365 days/year)	2,190	RME scenario (6 years x 365 days/year)
	3,285	AE scenario (9 years x 365 days/year)	2,190	AE scenario (6 years x 365 days/year)
- AT_c for carcinogens	25,550	(70 years x 365 days/year)	25,550	(70 years x 365 days/year)
Ingestion Pathway				
EPC = Exposure point concentration in groundwater (µg/L)	chemical specific	Tables 7	chemical specific	Tables 7
CF = Conversion factor (mg/µg)	0.001	--	0.001	--
IR_{ing} = Ingestion Rate (L/day)	2.0	RME scenario; EPA, 1989	1.0	RME scenario; EPA, 1989
	1.4	AE scenario; EPA, 1997a	0.74	AE scenario; EPA, 1997a
EF = Exposure Frequency (days/year)	350	EPA 1991a; CalEPA, 1992	350	EPA 1991a; CalEPA, 1992
ED = Exposure Duration (years)	24	RME scenario; EPA, 1991a; CalEPA, 1992	6	RME scenario; EPA, 1991a; CalEPA, 1992
	9	AE scenario; EPA, 2004b	6	AE scenario
BW = Body Weight (kilograms)	70	EPA, 1989; CalEPA, 1992	15	EPA, 1989; CalEPA, 1992
AT = Averaging Time (days)				
- AT_{nc} for noncarcinogens	8,760	RME scenario (24 years x 365 days/year)	2,190	RME scenario (6 years x 365 days/year)
	3,285	AE scenario (9 years x 365 days/year)	2,190	AE scenario (6 years x 365 days/year)
- AT_c for carcinogens	25,550	(70 years x 365 days/year)	25,550	(70 years x 365 days/year)
Dermal Pathway				
EPC = Exposure point concentration in groundwater (µg/L)	chemical specific	Tables 7	chemical specific	Tables 7
CF = Conversion factor (mg/µg)	0.001	--	0.001	--
CF = Conversion factor (L/cm^3)	0.001	--	0.001	--
SA = Surface Area (cm^2)	18,000	EPA, 2004b	6,600	EPA, 2004b
t_{event} = Event duration (hr/event)	0.58	RME scenario; EPA, 2004b	1	RME scenario; EPA, 2004b
	0.25	AE scenario; EPA, 2004b	0.33	AE scenario; EPA, 2004b
EV = Event Frequency (events/day)	1	EPA, 2004b	1	EPA, 2004b
EF = Exposure Frequency (days/year)	350	USEPA 1991a; CalEPA, 1992	350	USEPA 1991a; CalEPA, 1992
ED = Exposure Duration (years)	24	RME scenario; EPA, 2004b	6	RME scenario; EPA, 2004b
	9	AE scenario; EPA, 2004b	6	AE scenario; EPA, 2004b
BW = Body Weight (kilograms)	70	USEPA, 1989; CalEPA, 1992	15	USEPA, 1989; CalEPA, 1992
AT = Averaging Time (days)				
- AT_{nc} for noncarcinogens	8,760	RME scenario (24 years x 365 days/year)	2,190	RME scenario (6 years x 365 days/year)
	3,285	AE scenario (9 years x 365 days/year)	2,190	AE scenario (6 years x 365 days/year)
- AT_c for carcinogens	25,550	(70 years x 365 days/year)	25,550	(70 years x 365 days/year)

Abbreviations:

$\mu g/m^3$ = Micrograms per cubic meter.
mg/µg = Milligrams per micrograms.
-- = Not applicable.
m^3/hour = Cubic meter per hour.
RME = Reasonable maximum exposure.
AE = Average exposure.
L/day = Liters per day
µg/L = Micrograms per liter.
L/year = Liter per year.
L/cm^3 = Liter per cubic centimeter.
cm^2 = Centimeter squared.
cm/hr = Centimeter per hour.
hr/event = Hour per event.

References:

California Environmental Protection Agency (CalEPA), 1992. Supplemental Guidance for Human Health Multimedia Risk Assessment of Hazardous Sites and Permitted Facilities. Department of Toxic Substance Control.

U.S. Environmental Protection Agency (EPA), 1989. Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A). Office of Emergency and Remedial Response. EPA/540?1-89/002.

U.S. Environmental Protection Agency (EPA), 1991a. Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. Publication 9285.6-03. Office of Emergency and Remedial Response. NTIS PB91-921314.

U.S. Environmental Protection Agency (EPA), 1997a. Exposure Factors Handbook. Office of Research and Development. EPA/600/P-95/002FA.

U.S. Environmental Protection Agency (EPA), 2004b. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Final. EPA/540/R/99/005. July.

Checked: MM

Approved: CA

Table 10
Absorbed Dose per Event (DA_{event}) for Dermal Pathway
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemicals Of Potential Concern	EPC [a]		K_p [b]	B [b]	τ [b]	t* [b]	FA [b]	DA_{event} [c]			
								AE Scenario		RME Scenario	
								Adult	Child	Adult	Child
	µg/L	mg/cm^3	cm/hr	Dimensionless	hr/event	hour	Dimensionless	mg/cm^2-event	mg/cm^2-event	mg/cm^2-event	mg/cm^2-event
A Aquifer											
Bromodichloromethane	3.6E-01	3.6E-07	4.6E-03	0	0.88	2.12	1	2.2E-09	2.5E-09	3.3E-09	4.3E-09
Bromoform	3.9E-01	3.9E-07	2.2E-03	0	2.79	6.7	1	2.0E-09	2.3E-09	3.0E-09	4.0E-09
Carbon Tetrachloride	2.9E+00	2.9E-06	1.6E-02	0.1	0.78	1.86	1	5.6E-08	6.5E-08	8.6E-08	1.1E-07
Chloroform	4.9E-01	4.9E-07	6.8E-03	0	0.5	1.19	1	3.3E-09	3.7E-09	5.0E-09	6.5E-09
Dibromochloromethane	3.9E-01	3.9E-07	3.2E-03	0	1.57	3.77	1	2.2E-09	2.5E-09	3.3E-09	4.4E-09
Tetrachloroethene	2.8E-01	2.8E-07	3.3E-02	0.2	0.91	2.18	1	1.2E-08	1.4E-08	1.8E-08	2.4E-08
Trichloroethene	6.1E-01	6.1E-07	1.2E-02	0.1	0.58	1.39	1	7.7E-09	8.9E-09	1.2E-08	1.5E-08
Upper 180 Foot - Aquifer											
Carbon Tetrachloride	1.2E+00	1.2E-06	1.6E-02	0.1	0.78	1.86	1	2.3E-08	2.7E-08	3.5E-08	4.7E-08
Chloroform	2.6E-01	2.6E-07	6.8E-03	0	0.5	1.19	1	1.7E-09	2.0E-09	2.6E-09	3.4E-09
Chloromethane	2.8E-01	2.8E-07	3.3E-03	0	0.2	0.49	1	5.7E-10	6.6E-10	9.1E-10	1.3E-09
Lower 180 - 400 Foot - Aquifer											
1,2-Dichloroethane	2.8E-01	2.8E-07	4.2E-03	0	0.38	0.92	1	1.0E-09	1.1E-09	1.5E-09	2.1E-09
Carbon Tetrachloride	6.0E-01	6.0E-07	1.6E-02	0.1	0.78	1.86	1	1.2E-08	1.3E-08	1.8E-08	2.3E-08
Chloroform	2.6E-01	2.6E-07	6.8E-03	0	0.5	1.19	1	1.7E-09	2.0E-09	2.6E-09	3.4E-09
Toluene	2.7E-01	2.7E-07	3.1E-02	0.1	0.35	0.84	1	6.7E-09	7.7E-09	1.0E-08	1.4E-08

Abbreviations:
EPC = Exposure point concentrations.
K_p = Dermal permeability coefficient of compound in water.
B = Dimensionless ratio of the stratum corneum relative to its permeability coefficient across viable epidermis.
τ = Lag time per event.
t* = Time to reach steady-state.
FA = Fraction absorbed water.
t_{event} = Event duration.
µg/L = Micrograms per liter.
mg/cm^3 = Milligrams per cubic centimeter.
cm/hr = Centimeter per hour.
hr/event = Hour per event.
mg/cm^2-event = Milligrams per centimeter squared per event.
NA = Not available.
-- = Not available.
AE = Average Expossure
RME = Reasonable Maximum Exposure

Footnotes:
[a] From Table 7.
[b] From EPA, 2004b.
[c] DA_{event} is calculated for organic compounds as follows:
If $t_{event} \leq t^*$, then: $DA_{event} = 2 \times FA \times K_p \times EPC \times \sqrt{((6 \times \tau \times t_{event})/PI)}$
If $t_{event} > t^*$, then: $DA_{event} = FA \times K_p \times EPC \times (((t_{event}/(1+B)) + 2 \times \tau \times ((1+3B+3B^2)/(1+B)^2))$

References:
U.S. Environmental Protection Agency (EPA), 2004b. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Final. EPA/540/R/99/005. July.

Checked: AM

Approved: EA

Table 11
Oral Toxicity Values for Chemicals of Potential Concern (COPCs)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

COPCs	Noncancer Oral Toxicity Values				Cancer Oral Toxicity Values					
	California Chronic Oral RfD [a] (mg/kg-day)	EPA		Selected Chronic Oral RfD [c] (mg/kg-day)	California Oral SF [a] (mg/kg-day)$^{-1}$	EPA		Selected Oral SF [d] (mg/kg-day)$^{-1}$	Weight of Evidence Classification	
		Chronic Oral RfD (mg/kg-day)	Source [b]			Oral SF (mg/kg-day)$^{-1}$	Source [b]		[e]	[f]
1,2-Dichloroethane	--	2.0E-02	(n)	2.0E-02	4.7E-02	9.1E-02	(i)	9.1E-02	B2	--
Bromodichloromethane	--	2.0E-02	(i)	2.0E-02	1.3E-01	6.2E-02	(i)	1.3E-01	B2	--
Bromoform	--	2.0E-02	(i)	2.0E-02	--	7.9E-03	(i)	7.9E-03	B2	--
Carbon Tetrachloride	--	7.0E-04	(i)	7.0E-04	1.5E-01	1.3E-01	(i)	1.5E-01	B2	--
Chloroform	--	1.0E-02	(i)	1.0E-02	3.1E-02	--		3.1E-02	B2	Likely
Chloromethane	--	2.6E-02	(i) - inhalation	2.6E-02	--	--		--	D	Cannot be determined
Dibromochloromethane	--	2.0E-02	(i)	2.0E-02	--	8.4E-02	(i)	8.4E-02	C	--
Tetrachloroethene	--	1.0E-02	(i)	1.0E-02	5.4E-01	--		5.4E-01	--	--
Toluene	--	2.0E-01	(i)	2.0E-01	--	--		--	D	--
Trichloroethene	--	3.0E-04	(n)	3.0E-04	1.3E-02	--	(n)	1.3E-02	--	--

Abbreviations:
RfD = Reference dose.
USEPA = United States Environmental Protection Agency.
SF = Slope factor.
mg/kg-day = milligrams per kilograms per day.
-- = Not available.

Footnotes:
[a] From CalEPA, 2004.
[b] EPA values compiled from the following sources:
(i) - Integrated Risk Information System (IRIS) online database (EPA, 2004d)
(n) - National Center for Environmental Assessment (NCEA), provided in EPA, 2004c.
(h) - Health Effects Assessment Summary Tables (HEAST), provided in EPA, 2004c.
(cal) - California EPA Toxicity Values (California), provided in EPA, 2004ca.
[c] Most stringent (i.e., lowest) of the California and EPA Oral RfDs selected.
[d] Most stringent (i.e., highest) of the California and EPA Oral SFs selected.
[e] Weight of evidence classification:
A - Known human carcinogen.
B - Probable human carcinogen (B1 - limited evidence of carcinogenicity in humans; B2 - sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans).
C - Possible human carcinogen.
D - Not classifiable as to human carcinogenicity.
E - Evidence of noncarcinogenicity for humans.
[f] Weight of evidence classification from EPA's Review Draft Guidelines for Carcinogen Risk Assessment (EPA, 2003) as listed in IRIS.

References:
California Environmental Protection Agency (CalEPA), 2004. Toxicity Criteria Database. Office of Environmental Health Hazard Assessment (OEHHA). http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
U.S. Environmental Protection Agency (EPA), 2003. Draft Final Guidelines for Carcinogen Risk Assessment. EPA/630/P-03/001A. February.
U.S. Environmental Protection Agency (EPA), 2004c. Region 9 Preliminary Remediation Goals. San Francisco, California. October.
U.S. Environmental Protection Agency (EPA), 2004d. Integrated Risk Information System (IRIS). Http://www.epa.gov/iris

Checked MM
Approved EA

Table 12
Inhalation Toxicity Values for Chemicals of Potential Concern (COPCs)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

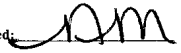
COPCs	Noncancer Inhalation Toxicity Values						Cancer Inhalation Toxicity Values						
	California [a]		EPA [b]			Selected Chronic Inhalation RfD [f] (mg/kg-day)	California [a]	EPA [b]			Selected Inhalation SF [g] (mg/kg-day)$^{-1}$	Weight of Evidence Classification	
	Chronic Inhalation REL ($\mu g/m^3$)	Chronic Inhalation RfD [c] (mg/kg-day)	Chronic Inhalation RfC (mg/m^3)	Chronic Inhalation RfD [d] (mg/kg-day)	Source		Inhalation SF (mg/kg-day)$^{-1}$	IUR (mg/m^3)$^{-1}$	Inhalation SF [e] (mg/kg-day)$^{-1}$	Source		[h]	[i]
1,2-Dichloroethane	--	--	4.9E-03	1.4E-03	(n)	1.4E-03	7.2E-02	2.6E-02	9.1E-02	(i)	9.1E-02	B2	--
Bromodichloromethane	--	--	7.0E-02	2.0E-02	(i) - oral	2.0E-02	1.3E-01	--	--		1.3E-01	B2	--
Bromoform	--	--	7.0E-02	2.0E-02	(i) - oral	2.0E-02	--	1.1E-03	3.9E-03	(i)	3.9E-03	B2	--
Carbon Tetrachloride	4.0E+01	1.1E-02	--	--		1.1E-02	1.5E-01	1.5E-02	5.3E-02	(i)	1.5E-01	B2	NA
Chloroform	3.0E+02	8.6E-02	4.9E-02	1.4E-02	(n)	1.4E-02	1.9E-02	2.3E-02	8.1E-02	(i)	8.1E-02	B2	Likely
Chloromethane	--	--	9.0E-02	2.6E-02	(i)	2.6E-02	--	--	--		--	D	Cannot be determined
Dibromochloromethane	--	--	7.0E-02	2.0E-02	(i) - oral	2.0E-02	--	2.4E-02	8.4E-02	(i) - oral	8.4E-02	C	--
Tetrachloroethene	3.5E+01	1.0E-02	--	--		1.0E-02	2.1E-02	--	--		2.1E-02	B2	NA
Toluene	3.0E+02	8.6E-02	4.0E-01	1.1E-01	(i)	8.6E-02	--	--	--		--	D	--
Trichloroethene	6.0E+02	1.7E-01	--	--	(n)	1.7E-01	7.0E-03	--	--	(n)	7.0E-03	--	NA

Abbreviations:
USEPA = United States Environmental Protection Agency.
REL = Reference exposure level.
RfD = Reference dose.
RfC = Reference concentration.
SF = Slope factor.
IUR = Inhalation unit risk.
$\mu g/m^3$ = Micrograms per cubic meter.
mg/kg-day = milligrams per kilograms per day.
mg/m^3 = Milligrams per cubic meter.
NA = Not available
-- = Not available.
oral = Oral toxicity value used if inhalation toxicity value is unavailable.

Footnotes:
[a] From CalEPA 2003 and 2004.
[b] EPA values compiled from the following sources:
(i) - Integrated Risk Information System (IRIS) online database (EPA, 2004d)
(n) - National Center for Environmental Assessment (NCEA), provided in EPA, 2004c.
(h) - Health Effects Assessment Summary Tables (HEAST), provided in EPA, 2004c.
(p) -Provisional Peer Review Toxicity Values (PPRTVs), provided in EPA, 2004c.
[c] Inhalation RfD (mg/kg-day) = [REL ($\mu g/m^3$) / 1000 ($\mu g/mg$)] * [20 (m^3/day) / 70 (kg)]
[d] Inhalation RfD (mg/kg-day) = [RfC (mg/m^3)] * [20 (m^3/day) / 70 (kg)]
[e] Inhalation SF (mg/kg-day)$^{-1}$ = [IUR (mg/m^3)$^{-1}$] * [70 (kg) / 20 (m^3/day)]
[f] Most stringent (i.e., lowest) of the California and EPA Inhalation RfDs selected. Oral RfDs used if inhalation RfDs are unavailable.
[g] Most stringent (i.e., highest) of the California and EPA Inhalation SFs selected. Oral SFs used if inhalation SFs are unavailable.
[h] Weight of evidence classification:
A - Known human carcinogen.
B - Probable human carcinogen (B1 - limited evidence of carcinogenicity in humans; B2 - sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans).
C - Possible human carcinogen.
D - Not classifiable as to human carcinogenicity.
E - Evidence of noncarcinogenicity for humans.
[i] Weight of evidence classification from EPA's Review Draft Guidelines for Carcinogen Risk Assessment (EPA, 2003) as listed in IRIS.

References:

California Environmental Protection Agency (CalEPA). 2003. Chronic Reference Exposure Level (REL) Table. Office of Environmental Health Hazard Assessment (OEHHA). Hhtp://www.oehha.ca.gov/air/chronic_rels/AllChrels.html. August.
California Environmental Protection Agency (CalEPA). 2004. Toxicity Criteria Database. Office of Environmental Health Hazard Assessment (OEHHA). http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
U.S. Environmental Protection Agency (EPA). 2003. Draft Final Guidelines for Carcinogen Risk Assessment . EPA/630/P-03/001A. February.
U.S. Environmental Protection Agency (EPA). 2004c. Region 9 Preliminary Remediation Goals. San Francisco, California. October.
U.S. Environmental Protection Agency (EPA). 2004d. Integrated Risk Information System (IRIS). Http://www.epa.gov/iris

Checked: 

Approved: GA

Table 13
Estimated Risks and Hazards for Groundwater Ingestion - Average Exposure (AE)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	EPC [a] (µg/L)	Cancer Risk Estimates							Noncancer Hazard Estimates					
		AE Adult Intake (Cancer) [b] (mg/kg-day)	AE Child Intake (Cancer) [b] (mg/kg-day)	Oral SF [c] $(mg/kg\text{-}day)^{-1}$	Adult AE Cancer Risk [d]	Percent Contribution to Total Adult Risk	Child AE Cancer Risk [d]	Percent Contribution to Total Child Risk	AE Adult Intake (Noncancer) [b] (mg/kg-day)	AE Child Intake (Noncancer) [b] (mg/kg-day)	Chronic Oral RfD [c] (mg/kg-day)	Adult AE Noncancer Hazard Index [e]	Child AE Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer														
Bromodichloromethane	3.6E-01	8.9E-07	1.5E-06	1.3E-01	1.E-07	7%	2.E-07	7%	7.0E-06	1.7E-05	2.0E-02	3.5E-04	8.6E-04	0%
Bromoform	3.9E-01	9.7E-07	1.6E-06	7.9E-03	8.E-09	0%	1.E-08	0%	7.5E-06	1.9E-05	2.0E-02	3.8E-04	9.3E-04	0%
Carbon Tetrachloride	2.9E+00	7.1E-06	1.2E-05	1.5E-01	1.E-06	63%	2.E-06	63%	5.5E-05	1.4E-04	7.0E-04	7.9E-02	1.9E-01	65%
Chloroform	4.9E-01	1.2E-06	2.0E-06	3.1E-02	4.E-08	2%	6.E-08	2%	9.4E-06	2.3E-05	1.0E-02	9.4E-04	2.3E-03	1%
Dibromochloromethane	3.9E-01	9.7E-07	1.6E-06	8.4E-02	8.E-08	5%	1.E-07	5%	7.6E-06	1.9E-05	2.0E-02	3.8E-04	9.3E-04	0%
Tetrachloroethene	2.8E-01	6.8E-07	1.1E-06	5.4E-01	4.E-07	22%	6.E-07	22%	5.3E-06	1.3E-05	1.0E-02	5.3E-04	1.3E-03	0%
Trichloroethene	6.1E-01	1.5E-06	2.5E-06	1.3E-02	2.E-08	1%	3.E-08	1%	1.2E-05	2.9E-05	3.0E-04	3.9E-02	9.7E-02	32%
A-Aquifer TOTAL					**2.E-06**	100%	**3.E-06**	100%				**1.2E-01**	**3.0E-01**	100%
Upper 180 Foot Aquifer														
Carbon Tetrachloride	1.2E+00	2.9E-06	4.8E-06	1.5E-01	4.E-07	96%	7.E-07	96%	2.3E-05	5.6E-05	7.0E-04	3.3E-02	8.1E-02	98%
Chloroform	2.6E-01	6.4E-07	1.1E-06	3.1E-02	2.E-08	4%	3.E-08	4%	5.0E-06	1.2E-05	1.0E-02	5.0E-04	1.2E-03	1%
Chloromethane	2.8E-01	6.9E-07	1.1E-06	--	--	--	--	--	5.4E-06	1.3E-05	2.6E-02	2.1E-04	5.1E-04	1%
Upper 180 Foot Aquifer TOTAL					**5.E-07**	100%	**8.E-07**	100%				**3.3E-02**	**8.2E-02**	100%
Lower 180 - 400 Foot Aquifer														
1,2-Dichloroethane	2.8E-01	6.9E-07	1.1E-06	9.1E-02	6.E-08	21%	1.E-07	21%	5.3E-06	1.3E-05	2.0E-02	2.7E-04	6.6E-04	2%
Carbon Tetrachloride	6.0E-01	1.5E-06	2.4E-06	1.5E-01	2.E-07	73%	4.E-07	73%	1.1E-05	2.8E-05	7.0E-04	1.6E-02	4.0E-02	95%
Chloroform	2.6E-01	6.4E-07	1.1E-06	3.1E-02	2.E-08	7%	3.E-08	7%	5.0E-06	1.2E-05	1.0E-02	5.0E-04	1.2E-03	3%
Toluene	2.7E-01	6.6E-07	1.1E-06	--	--	--	--	--	5.1E-06	1.3E-05	2.0E-01	2.6E-05	6.3E-05	0%
Lower 180 - 400 Foot Aquifer TOTAL					**3.E-07**	100%	**5.E-07**	100%				**1.7E-02**	**4.2E-02**	100%

Abbreviations:
EPC = Exposure point concentration.
µg/L = Micrograms per liter.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:

[a] From: Table 7.

[b] From: Table 9.
Intake = $(EPC \times CF \times IR_{ing} \times EF \times ED)/(BW \times AT)$

[c] From: Table 11.

[d] Cancer Risk = [Intake (mg/kg-day)] * [Oral SF $(mg/kg\text{-}day)^{-1}$]

[e] Noncancer Hazard = [Intake (mg/kg-day)] / [Oral RfD (mg/kg-day)]

Checked: AM

Approved: CA

Table 14
Estimated Risks and Hazards for Groundwater Ingestion - Reasonable Maximum Exposure (RME)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	EPC [a] (µg/L)	Cancer Risk Estimates							Noncancer Hazard Estimates					
		RME Adult Intake (Cancer) [b] (mg/kg-day)	RME Child Intake (Cancer) [b] (mg/kg-day)	Oral SF [c] $(mg/kg\text{-}day)^{-1}$	Adult RME Cancer Risk [d]	Child RME Cancer Risk [d]	Total Adult + Child RME Cancer Risk	Percent Contribution to Total Risk	RME Adult Intake (Noncancer) [b] (mg/kg-day)	RME Child Intake (Noncancer) [b] (mg/kg-day)	Chronic Oral RfD [c] (mg/kg-day)	Adult RME Noncancer Hazard Index [e]	Child RME Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer														
Bromodichloromethane	3.6E-01	3.4E-06	2.0E-06	1.3E-01	4.E-07	3.E-07	7.E-07	7%	9.9E-06	2.3E-05	2.0E-02	5.0E-04	1.2E-03	0%
Bromoform	3.9E-01	3.7E-06	2.2E-06	7.9E-03	3.E-08	2.E-08	5.E-08	0%	1.1E-05	2.5E-05	2.0E-02	5.4E-04	1.3E-03	0%
Carbon Tetrachloride	2.9E+00	2.7E-05	1.6E-05	1.5E-01	4.E-06	2.E-06	6.E-06	63%	7.9E-05	1.8E-04	7.0E-04	1.1E-01	2.6E-01	65%
Chloroform	4.9E-01	4.6E-06	2.7E-06	3.1E-02	1.E-07	8.E-08	2.E-07	2%	1.3E-05	3.1E-05	1.0E-02	1.3E-03	3.1E-03	1%
Dibromochloromethane	3.9E-01	3.7E-06	2.2E-06	8.4E-02	3.E-07	2.E-07	5.E-07	5%	1.1E-05	2.5E-05	2.0E-02	5.4E-04	1.3E-03	0%
Tetrachloroethene	2.8E-01	2.6E-06	1.5E-06	5.4E-01	1.E-06	8.E-07	2.E-06	22%	7.6E-06	1.8E-05	1.0E-02	7.6E-04	1.8E-03	0%
Trichloroethene	6.1E-01	5.8E-06	3.4E-06	1.3E-02	7.E-08	4.E-08	1.E-07	1%	1.7E-05	3.9E-05	3.0E-04	5.6E-02	1.3E-01	32%
A-Aquifer TOTAL					**6.E-06**	**4.E-06**	**1.E-05**	100%				**1.7E-01**	**4.0E-01**	100%
Upper 180 Foot Aquifer														
Carbon Tetrachloride	1.2E+00	1.1E-05	6.5E-06	1.5E-01	2.E-06	1.E-06	3.E-06	96%	3.3E-05	7.6E-05	7.0E-04	4.7E-02	1.1E-01	98%
Chloroform	2.6E-01	2.4E-06	1.4E-06	3.1E-02	8.E-08	4.E-08	1.E-07	4%	7.1E-06	1.7E-05	1.0E-02	7.1E-04	1.7E-03	1%
Chloromethane	2.8E-01	2.6E-06	1.5E-06	--	--	--	--	--	7.7E-06	1.8E-05	2.6E-02	3.0E-04	6.9E-04	1%
Upper 180 Foot Aquifer TOTAL					**2.E-06**	**1.E-06**	**3.E-06**	100%				**4.8E-02**	**1.1E-01**	100%
Lower 180 - 400 Foot Aquifer														
1,2-Dichloroethane	2.8E-01	2.6E-06	1.5E-06	9.1E-02	2.E-07	1.E-07	4.E-07	21%	7.6E-06	1.8E-05	2.0E-02	3.8E-04	8.9E-04	2%
Carbon Tetrachloride	6.0E-01	5.6E-06	3.3E-06	1.5E-01	8.E-07	5.E-07	1.E-06	73%	1.6E-05	3.8E-05	7.0E-04	2.3E-02	5.4E-02	95%
Chloroform	2.6E-01	2.4E-06	1.4E-06	3.1E-02	8.E-08	4.E-08	1.E-07	7%	7.1E-06	1.7E-05	1.0E-02	7.1E-04	1.7E-03	3%
Toluene	2.7E-01	2.5E-06	1.5E-06	--	--	--	--	--	7.3E-06	1.7E-05	2.0E-01	3.6E-05	8.5E-05	0%
Lower 180 - 400 Foot Aquifer TOTAL					**1.E-06**	**7.E-07**	**2.E-06**	100%				**2.4E-02**	**5.7E-02**	100%

Abbreviations:
EPC = Exposure point concentration.
µg/L = Micrograms per liter.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:

[a] From: Table 7.

[b] From: Table 9.
Intake = $(EPC \times CF \times IR_{ing} \times EF \times ED)/(BW \times AT)$

[c] From: Table 11.

[d] Cancer Risk = [Intake (mg/kg-day)] * [Oral SF $(mg/kg\text{-}day)^{-1}$]

[e] Noncancer Hazard = [Intake (mg/kg-day)] / [Oral RfD (mg/kg-day)]

Checked: AM

Approved: EA

Table 15
Estimated Risks and Hazards for Dermally Absorbed Dose (DAD) from Groundwater - Average Exposure (AE)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	DA_{event} [a]		Cancer Risk Estimates							Noncancer Hazard Estimates					
	Adult (mg/cm^2-event)	Child (mg/cm^2-event)	AE Adult DAD (Cancer) [b] (mg/kg-day)	AE Child DAD (Cancer) [b] (mg/kg-day)	Oral SF [c] $(mg/kg\text{-}day)^{-1}$	Adult AE Cancer Risk [d]	Percent Contribution to Total Adult Risk	Child AE Cancer Risk [d]	Percent Contribution to Total Child Risk	AE Adult DAD (Noncancer) [b] (mg/kg-day)	AE Child DAD (Noncancer) [b] (mg/kg-day)	Chronic Oral RfD [c] (mg/kg-day)	Adult AE Noncancer Hazard Index [e]	Child AE Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer															
Bromodichloromethane	2.2E-09	2.5E-09	6.9E-08	9.0E-08	1.3E-01	9.E-09	2%	1.E-08	2%	5.3E-07	1.0E-06	2.0E-02	2.7E-05	5.2E-05	0%
Bromoform	2.0E-09	2.3E-09	6.3E-08	8.3E-08	7.9E-03	5.E-10	0%	7.E-10	0%	4.9E-07	9.7E-07	2.0E-02	2.5E-05	4.8E-05	0%
Carbon Tetrachloride	5.6E-08	6.5E-08	1.8E-06	2.3E-06	1.5E-01	3.E-07	54%	4.E-07	54%	1.4E-05	2.7E-05	7.0E-04	2.0E-02	3.9E-02	74%
Chloroform	3.3E-09	3.7E-09	1.0E-07	1.4E-07	3.1E-02	3.E-09	1%	4.E-09	1%	8.0E-07	1.6E-06	1.0E-02	8.0E-05	1.6E-04	0%
Dibromochloromethane	2.2E-09	2.5E-09	6.9E-08	9.1E-08	8.4E-02	6.E-09	1%	8.E-09	1%	5.4E-07	1.1E-06	2.0E-02	2.7E-05	5.3E-05	0%
Tetrachloroethene	1.2E-08	1.4E-08	3.8E-07	5.0E-07	5.4E-01	2.E-07	42%	3.E-07	42%	3.0E-06	5.8E-06	1.0E-02	3.0E-04	5.8E-04	1%
Trichloroethene	7.7E-09	8.9E-09	2.5E-07	3.2E-07	1.3E-02	3.E-09	1%	4.E-09	1%	1.9E-06	3.8E-06	3.0E-04	6.4E-03	1.3E-02	24%
A-Aquifer TOTAL						**5.E-07**	100%	**7.E-07**	100%				**2.7E-02**	**5.2E-02**	100%
Upper 180 Foot Aquifer															
Carbon Tetrachloride	2.3E-08	2.7E-08	7.4E-07	9.7E-07	1.5E-01	1.E-07	98%	1.E-07	98%	5.7E-06	1.1E-05	7.0E-04	8.2E-03	1.6E-02	99%
Chloroform	1.7E-09	2.0E-09	5.5E-08	7.2E-08	3.1E-02	2.E-09	2%	2.E-09	2%	4.2E-07	8.4E-07	1.0E-02	4.2E-05	8.4E-05	1%
Chloromethane	5.7E-10	6.6E-10	1.8E-08	2.4E-08	--	--	--	--	--	1.4E-07	2.8E-07	2.6E-02	5.4E-06	1.1E-05	0%
Upper 180 Foot Aquifer TOTAL						**1.E-07**	100%	**1.E-07**	100%				**8.2E-03**	**1.6E-02**	100%
Lower 180 - 400 Foot Aquifer															
1,2-Dichloroethane	1.0E-09	1.1E-09	3.2E-08	4.1E-08	9.1E-02	3.E-09	5%	4.E-09	5%	2.5E-07	4.8E-07	2.0E-02	1.2E-05	2.4E-05	0%
Carbon Tetrachloride	1.2E-08	1.3E-08	3.7E-07	4.8E-07	1.5E-01	6.E-08	92%	7.E-08	92%	2.9E-06	5.6E-06	7.0E-04	4.1E-03	8.1E-03	98%
Chloroform	1.7E-09	2.0E-09	5.5E-08	7.2E-08	3.1E-02	2.E-09	3%	2.E-09	3%	4.2E-07	8.3E-07	1.0E-02	4.2E-05	8.3E-05	1%
Toluene	6.7E-09	7.7E-09	2.1E-07	2.8E-07	--	--	--	--	--	1.7E-06	3.3E-06	2.0E-01	8.3E-06	1.6E-05	0%
Lower 180 - 400 Foot Aquifer TOTAL						**6.E-08**	100%	**8.E-08**	100%				**4.2E-03**	**8.2E-03**	100%

Abbreviations:
EPC = Exposure point concentration.
mg/cm2-event = Milligrams per centimeter squared per event.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:

[a] From: Table 10.

[b] From: Table 9.
DAD = (DA_{event} x EV x ED x EF x SA)/(BW x AT)

[c] From: Table 11.

[d] Cancer Risk = [DAD (mg/kg-day)] * [Oral SF $(mg/kg\text{-}day)^{-1}$]

[e] Noncancer Hazard = [DAD (mg/kg-day)] / [Oral RfD (mg/kg-day)]

Checked: JM

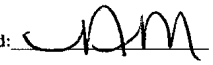
Approved: EA

Table 16
Estimated Risks and Hazards for Dermally Absorbed Dose (DAD) from Groundwater - Reasonable Maximum Exposure (RME)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	DA_{event} [a]		Cancer Risk Estimates							Noncancer Hazard Estimates					
	Adult (mg/cm^2-event)	Child (mg/cm^2-event)	RME Adult DAD (Cancer) [b] (mg/kg-day)	RME Child DAD (Cancer) [b] (mg/kg-day)	Oral SF [c] $(mg/kg\text{-}day)^{-1}$	Adult RME Cancer Risk [d]	Child RME Cancer Risk [d]	Total Adult + Child RME Cancer Risk	Percent Contribution to Total Risk	RME Adult DAD (Noncancer) [b] (mg/kg-day)	RME Child DAD (Noncancer) [b] (mg/kg-day)	Chronic Oral RfD [c] (mg/kg-day)	Adult RME Noncancer Hazard Index [e]	Child RME Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer															
Bromodichloromethane	3.3E-09	4.3E-09	2.8E-07	1.6E-07	1.3E-01	4.E-08	2.E-08	6.E-08	2%	8.1E-07	1.8E-06	2.0E-02	4.1E-05	9.1E-05	0%
Bromoform	3.0E-09	4.0E-09	2.6E-07	1.4E-07	7.9E-03	2.E-09	1.E-09	3.E-09	0%	7.5E-07	1.7E-06	2.0E-02	3.7E-05	8.4E-05	0%
Carbon Tetrachloride	8.6E-08	1.1E-07	7.3E-06	4.1E-06	1.5E-01	1.E-06	6.E-07	2.E-06	54%	2.1E-05	4.8E-05	7.0E-04	3.0E-02	6.8E-02	74%
Chloroform	5.0E-09	6.5E-09	4.2E-07	2.4E-07	3.1E-02	1.E-08	7.E-09	2.E-08	1%	1.2E-06	2.8E-06	1.0E-02	1.2E-04	2.8E-04	0%
Dibromochloromethane	3.3E-09	4.4E-09	2.8E-07	1.6E-07	8.4E-02	2.E-08	1.E-08	4.E-08	1%	8.2E-07	1.8E-06	2.0E-02	4.1E-05	9.2E-05	0%
Tetrachloroethene	1.8E-08	2.4E-08	1.6E-06	8.7E-07	5.4E-01	8.E-07	5.E-07	1.E-06	42%	4.5E-06	1.0E-05	1.0E-02	4.5E-04	1.0E-03	1%
Trichloroethene	1.2E-08	1.5E-08	1.0E-06	5.6E-07	1.3E-02	1.E-08	7.E-09	2.E-08	1%	2.9E-06	6.5E-06	3.0E-04	9.7E-03	2.2E-02	24%
A-Aquifer TOTAL						**2.E-06**	**1.E-06**	**3.E-06**	100%				**4.1E-02**	**9.1E-02**	100%
Upper 180 Foot Aquifer															
Carbon Tetrachloride	3.5E-08	4.7E-08	3.0E-06	1.7E-06	1.5E-01	4.E-07	3.E-07	7.E-07	98%	8.7E-06	2.0E-05	7.0E-04	1.2E-02	2.8E-02	99%
Chloroform	2.6E-09	3.4E-09	2.2E-07	1.2E-07	3.1E-02	7.E-09	4.E-09	1.E-08	2%	6.5E-07	1.5E-06	1.0E-02	6.5E-05	1.5E-04	1%
Chloromethane	9.1E-10	1.3E-09	7.7E-08	4.7E-08	--	--	--	--	--	2.2E-07	5.5E-07	2.6E-02	8.6E-06	2.1E-05	0%
Upper 180 Foot Aquifer TOTAL						**5.E-07**	**3.E-07**	**7.E-07**	100%				**1.3E-02**	**2.8E-02**	100%
Lower 180 - 400 Foot Aquifer															
1,2-Dichloroethane	1.5E-09	2.1E-09	1.3E-07	7.4E-08	9.1E-02	1.E-08	7.E-09	2.E-08	5%	3.7E-07	8.7E-07	2.0E-02	1.9E-05	4.3E-05	0%
Carbon Tetrachloride	1.8E-08	2.3E-08	1.5E-06	8.4E-07	1.5E-01	2.E-07	1.E-07	4.E-07	92%	4.4E-06	9.8E-06	7.0E-04	6.2E-03	1.4E-02	98%
Chloroform	2.6E-09	3.4E-09	2.2E-07	1.2E-07	3.1E-02	7.E-09	4.E-09	1.E-08	3%	6.5E-07	1.5E-06	1.0E-02	6.5E-05	1.5E-04	1%
Toluene	1.0E-08	1.4E-08	8.7E-07	5.0E-07	--	--	--	--	--	2.5E-06	5.8E-06	2.0E-01	1.3E-05	2.9E-05	0%
Lower 180 - 400 Foot Aquifer TOTAL						**2.E-07**	**1.E-07**	**4.E-07**	100%				**6.3E-03**	**1.4E-02**	100%

Abbreviations:
EPC = Exposure point concentration.
mg/cm^2-event = Milligrams per centimeter squared per event.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:
[a] From: Table 10.
[b] From: Table 9.
DAD = $(DA_{event} \times EV \times ED \times EF \times SA)/(BW \times AT)$
[c] From: Table 11.
[d] Cancer Risk = [DAD (mg/kg-day)] * [Oral SF $(mg/kg\text{-}day)^{-1}$]
[e] Noncancer Hazard = [DAD (mg/kg-day)] / [Oral RfD (mg/kg-day)]

Checked: 

Approved: EA

Table 17
Estimated Risks and Hazards for Vapor Inhalation While Showering - Average Exposure (AE)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	EPC ($\mu g/m^3$) [a]	Cancer Risk Estimates							Noncancer Hazard Estimates					
		AE Adult Intake (Cancer) [b] (mg/kg-day)	AE Child Intake (Cancer) [b] (mg/kg-day)	Inhalation SF [c] $(mg/kg\text{-}day)^{-1}$	Adult AE Cancer Risk [d]	Percent Contribution to Total Adult Risk	Child AE Cancer Risk [d]	Percent Contribution to Total Child Risk	AE Adult Intake (Noncancer) [b] (mg/kg-day)	AE Child Intake (Noncancer) [b] (mg/kg-day)	Chronic Inhalation RfD [c] (mg/kg-day)	Adult AE Noncancer Hazard Index [e]	Child AE Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer														
Bromodichloromethane	3.5E-11	1.3E-17	2.7E-17	1.3E-01	2.E-18	9%	3.E-18	9%	1.0E-16	3.1E-16	2.0E-02	5.0E-15	1.6E-14	5%
Bromoform	3.2E-11	1.2E-17	2.5E-17	3.9E-03	5.E-20	0%	9.E-20	0%	9.2E-17	2.9E-16	2.0E-02	4.6E-15	1.4E-14	5%
Carbon Tetrachloride	2.7E-10	9.8E-17	2.0E-16	1.5E-01	1.E-17	81%	3.E-17	81%	7.6E-16	2.4E-15	1.1E-02	6.7E-14	2.1E-13	70%
Chloroform	4.9E-11	1.8E-17	3.7E-17	8.1E-02	1.E-18	8%	3.E-18	8%	1.4E-16	4.4E-16	1.4E-02	1.0E-14	3.1E-14	11%
Dibromochloromethane	--	--	--	8.4E-02	--	--	--	--	--	--	2.0E-02	--	--	--
Tetrachloroethene	2.6E-11	9.5E-18	2.0E-17	2.1E-02	2.E-19	1%	4.E-19	1%	7.4E-17	2.3E-16	1.0E-02	7.4E-15	2.3E-14	8%
Trichloroethene	5.8E-11	2.1E-17	4.4E-17	7.0E-03	1.E-19	1%	3.E-19	1%	1.7E-16	5.1E-16	1.7E-01	9.6E-16	3.0E-15	1%
A-Aquifer TOTAL					**2.E-17**	100%	**4.E-17**	100%				**9.5E-14**	**2.9E-13**	100%
Upper 180 Foot Aquifer														
Carbon Tetrachloride	1.1E-10	4.0E-17	8.4E-17	1.5E-01	6.E-18	89%	1.E-17	89%	3.1E-16	9.8E-16	1.1E-02	2.8E-14	8.6E-14	75%
Chloroform	2.6E-11	9.5E-18	2.0E-17	8.1E-02	8.E-19	11%	2.E-18	11%	7.4E-17	2.3E-16	1.4E-02	5.3E-15	1.6E-14	14%
Chloromethane	3.6E-11	1.3E-17	2.7E-17	--	--	--	--	--	1.0E-16	3.2E-16	2.6E-02	4.0E-15	1.2E-14	11%
Upper 180 Foot Aquifer TOTAL					**7.E-18**	100%	**1.E-17**	100%				**3.7E-14**	**1.1E-13**	100%
Lower 180 - 400 Foot Aquifer														
1,2-Dichloroethane	2.7E-11	9.9E-18	2.1E-17	9.1E-02	9.E-19	19%	2.E-18	19%	7.7E-17	2.4E-16	1.4E-03	5.5E-14	1.7E-13	74%
Carbon Tetrachloride	5.5E-11	2.0E-17	4.2E-17	1.5E-01	3.E-18	64%	6.E-18	64%	1.6E-16	4.9E-16	1.1E-02	1.4E-14	4.3E-14	18%
Chloroform	2.6E-11	9.5E-18	2.0E-17	8.1E-02	8.E-19	16%	2.E-18	16%	7.4E-17	2.3E-16	1.4E-02	5.3E-15	1.6E-14	7%
Toluene	2.4E-11	8.8E-18	1.8E-17	--	--	--	--	--	6.9E-17	2.1E-16	8.6E-02	8.0E-16	2.5E-15	1%
Lower 180 - 400 Foot Aquifer TOTAL					**5.E-18**	100%	**1.E-17**	100%				**7.5E-14**	**2.3E-13**	100%

Abbreviations:
EPC = Exposure point concentration.
$\mu g/m^3$ = Micrograms per cubic meter.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:

[a] From: Table 8.

[b] From: Table 9.
Intake = (EPC x CF x IR_{inh} x EF x ED)/(BW x AT)

[c] From: Table 12.

[d] Cancer Risk = [Intake (mg/kg-day)] * [Inhalation SF $(mg/kg\text{-}day)^{-1}$]

[e] Noncancer Hazard = [Intake (mg/kg-day)] / [Inhalation RfD (mg/kg-day)]

Checked: AM

Approved: EA

Table 18
Estimated Risks and Hazards for Vapor Inhalation While Showering - Reasonable Maximum Exposure (RME)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	EPC (µg/m3) [a]	Cancer Risk Estimates							Noncancer Hazard Estimates					
		RME Adult Intake (Cancer) [b] (mg/kg-day)	RME Child Intake (Cancer) [b] (mg/kg-day)	Inhalation SF [c] $(mg/kg\text{-}day)^{-1}$	Adult RME Cancer Risk [d]	Child RME Cancer Risk [d]	Total Adult + Child RME Cancer Risk	Percent Contribution to Total Risk	RME Adult Intake (Noncancer) [b] (mg/kg-day)	RME Child Intake (Noncancer) [b] (mg/kg-day)	Chronic Inhalation RfD [c] (mg/kg-day)	Adult RME Noncancer Hazard Index [e]	Child RME Noncancer Hazard Index [e]	Percent Contribution to Total Hazard
A-Aquifer														
Bromodichloromethane	3.5E-11	7.9E-17	8.1E-17	1.3E-01	1.E-17	1.E-17	2.E-17	9%	2.3E-16	9.4E-16	2.0E-02	1.2E-14	4.7E-14	5%
Bromoform	3.2E-11	7.3E-17	7.5E-17	3.9E-03	3.E-19	3.E-19	6.E-19	0%	2.1E-16	8.7E-16	2.0E-02	1.1E-14	4.4E-14	5%
Carbon Tetrachloride	2.7E-10	6.1E-16	6.2E-16	1.5E-01	9.E-17	9.E-17	2.E-16	81%	1.8E-15	7.2E-15	1.1E-02	1.5E-13	6.3E-13	70%
Chloroform	4.9E-11	1.1E-16	1.1E-16	8.1E-02	9.E-18	9.E-18	2.E-17	8%	3.2E-16	1.3E-15	1.4E-02	2.3E-14	9.4E-14	11%
Dibromochloromethane	--	--	--	8.4E-02	--	--	--	--	--	--	2.0E-02	--	--	--
Tetrachloroethene	2.6E-11	5.9E-17	6.0E-17	2.1E-02	1.E-18	1.E-18	2.E-18	1%	1.7E-16	7.0E-16	1.0E-02	1.7E-14	7.0E-14	8%
Trichloroethene	5.8E-11	1.3E-16	1.3E-16	7.0E-03	9.E-19	9.E-19	2.E-18	1%	3.8E-16	1.6E-15	1.7E-01	2.2E-15	9.1E-15	1%
A-Aquifer TOTAL					**1.E-16**	**1.E-16**	**2.E-16**	100%				**2.2E-13**	**8.9E-13**	100%
Upper 180 Foot Aquifer														
Carbon Tetrachloride	1.1E-10	2.5E-16	2.5E-16	1.5E-01	4.E-17	4.E-17	8.E-17	89%	7.3E-16	3.0E-15	1.1E-02	6.4E-14	2.6E-13	75%
Chloroform	2.6E-11	5.9E-17	6.0E-17	8.1E-02	5.E-18	5.E-18	1.E-17	11%	1.7E-16	7.0E-16	1.4E-02	1.2E-14	5.0E-14	14%
Chloromethane	3.6E-11	8.1E-17	8.2E-17	--	--	--	--	--	2.4E-16	9.6E-16	2.6E-02	9.2E-15	3.7E-14	11%
Upper 180 Foot Aquifer TOTAL					**4.E-17**	**4.E-17**	**9.E-17**	100%				**8.5E-14**	**3.5E-13**	100%
Lower 180 - 400 Foot Aquifer														
1,2-Dichloroethane	2.7E-11	6.2E-17	6.3E-17	9.1E-02	6.E-18	6.E-18	1.E-17	19%	1.8E-16	7.3E-16	1.4E-03	1.3E-13	5.2E-13	74%
Carbon Tetrachloride	5.5E-11	1.3E-16	1.3E-16	1.5E-01	2.E-17	2.E-17	4.E-17	64%	3.6E-16	1.5E-15	1.1E-02	3.2E-14	1.3E-13	18%
Chloroform	2.6E-11	5.9E-17	6.0E-17	8.1E-02	5.E-18	5.E-18	1.E-17	16%	1.7E-16	7.0E-16	1.4E-02	1.2E-14	5.0E-14	7%
Toluene	2.4E-11	5.5E-17	5.6E-17	--	--	--	--	--	1.6E-16	6.5E-16	8.6E-02	1.9E-15	7.6E-15	1%
Lower 180 - 400 Foot Aquifer TOTAL					**3.E-17**	**3.E-17**	**6.E-17**	100%				**1.7E-13**	**7.1E-13**	100%

Abbreviations:
EPC = Exposure point concentration.
$\mu g/m^3$ = Micrograms per cubic meter.
mg/kg-day = Milligrams per kilogram per day.
SF = Slope Factor
RFD = Reference Dose
-- = Not Calculated

Footnotes:

[a] From: Table 8.

[b] From: Table 9.
Intake = (EPC x CF x IR_{inh} x EF x ED)/(BW x AT)

[c] From: Table 12.

[d] Cancer Risk = [Intake (mg/kg-day)] * [Inhalation SF $(mg/kg\text{-}day)^{-1}$]

[e] Noncancer Hazard = [Intake (mg/kg-day)] / [Inhalation RfD (mg/kg-day)]

Checked: DM

Approved: EA

Table 19
Estimated Risks and Hazards for Vapor Inhalation to Indoor Air By Vapor Intrusion - Average Exposure (AE)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	Date	Site-Specific Parameters			Soil Gas Concentration [a] (ppbv)	Calculated Indoor Air Concentration [b] ($\mu g/m^3$)	Cancer Risk Estimates				Non-Cancer Hazard Estimates			
		Depth (feet bgs)	Soil Type	Temperature (C^o)			Child AE Cancer Risk [c]	Percent Contribution to Total Child Cancer Risk	Adult AE Cancer Risk [d]	Percent Contribution to Total Adult Cancer Risk	Child AE Noncancer Hazard Index [c]	Percent Contribution to Total Child Hazard	Adult AE Noncancer Hazard Index [d]	Percent Contribution to Total Adult Hazard
CTP-SGP-35														
Carbon Tetrachloride	6/18/2004	6	Sand	18	0.54	2.6E-03	9.E-09	94%	1.E-08	94%	1.2E-05	77%	1.9E-05	78%
Chloroform	6/18/2004	6	Sand	18	0.08	3.6E-04	2.E-10	2%	2.E-10	2%	2.3E-07	1%	3.5E-07	1%
Tetrachloroethene	6/18/2004	6	Sand	18	0.12	5.9E-04	3.E-10	3%	4.E-10	3%	3.2E-06	20%	4.8E-06	20%
Trichloroethene	6/18/2004	6	Sand	18	0.15	6.2E-04	1.E-10	1%	2.E-10	1%	2.0E-07	1%	3.0E-07	1%
CTP-SGP-35 Total							9.E-09		1.E-08		1.6E-05		2.4E-05	

Abbreviations:
feet bgs = Feet below ground surface.
C^o = Degrees celsius.
ppbv = Parts per billion by volume.
$\mu g/m^3$ = Micrograms per cubic meter.

Checked
Approved

Footnotes:
[a] From Table 5.
[b] Indoor air concentrations were calculated using the Johnson and Ettinger (J&E) Model from the Department of Toxic Substance Control (DTSC).
[c] Child cancer risk and noncancer hazard index were calculated using the J&E Model from the DTSC, assuming 6 years for exposure duration.
[d] Adult cancer risk and noncancer hazard index were calculated using the J&E Model from the DTSC, assuming 9 years for exposure duration.

Table 20
Estimated Risks and Hazards for Vapor Inhalation to Indoor Air By Vapor Intrusion - Reasonable Maximum Exposure (RME)
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Chemical of Potential Concern (COPC)	Date	Site-Specific Parameters			Soil Gas Concentration [a] (ppbv)	Calculated Indoor Air Concentration [b] ($\mu g/m^3$)	Cancer Risk Estimates				Non-Cancer Hazard Estimates			
		Depth (feet bgs)	Soil Type	Temperature (C^o)			Child RME Cancer Risk [c]	Adult RME Cancer Risk [d]	Total RME Cancer Risk	Percent Contribution to Total Cancer Risk	Child RME Noncancer Hazard Index [c]	Percent Contribution to Total Child Hazard	Adult RME Noncancer Hazard Index [d]	Percent Contribution to Total Adult Hazard
CTP-SGP-35														
Carbon Tetrachloride	6/18/2004	6	Sand	18	0.54	2.6E-03	9.E-09	4.E-08	4.E-08	94%	1.2E-05	77%	5.0E-05	77%
Chloroform	6/18/2004	6	Sand	18	0.08	3.6E-04	2.E-10	6.E-10	8.E-10	2%	2.3E-07	1%	9.2E-07	1%
Tetrachloroethene	6/18/2004	6	Sand	18	0.12	5.9E-04	3.E-10	1.E-09	1.E-09	3%	3.2E-06	20%	1.3E-05	20%
Trichloroethene	6/18/2004	6	Sand	18	0.15	6.2E-04	1.E-10	4.E-10	5.E-10	1%	2.0E-07	1%	7.9E-07	1%
CTP-SGP-35 Total							9.E-09	4.E-08	5.E-08		1.6E-05		6.5E-05	

Abbreviations:
feet bgs = Feet below ground surface.
C^o = Degrees celsius.
ppbv = Parts per billion by volume.
$\mu g/m^3$ = Micrograms per cubic meter.

Checked
Approved

Footnotes:
[a] From Table 5.
[b] Indoor air concentrations were calculated using the Johnson and Ettinger (J&E) Model from the Department of Toxic Substance Control (DTSC).
[c] Child cancer risk and noncancer hazard index were calculated using the J&E Model from the DTSC, assuming 6 years for exposure duration.
[d] Adult cancer risk and noncancer hazard index were calculated using the J&E Model from the DTSC, assuming 24 years for exposure duration.

Table 21
Risk Summary
Volume II: Human Health Risk Assessment
Operable Unit Carbon Tetrachloride Plume
Fort Ord, California

Pathway	Average Exposure				Reasonable Maximum Exposure				
	Noncancer Hazard Estimate		Cancer Risk Estimate		Noncancer Hazard Estimate		Cancer Risk Estimate		
	Child	Adult	Child	Adult	Child	Adult	Child	Adult	Total
A-Aquifer									
Direct Groundwater Contact									
Showering	2.9E-13	9.5E-14	4.E-17	2.E-17	8.9E-13	2.2E-13	1.E-16	1.E-16	2.E-16
Ingestion	3.0E-01	1.2E-01	3.E-06	2.E-06	4.0E-01	1.7E-01	4.E-06	6.E-06	1.E-05
Dermal	5.2E-02	2.7E-02	7.E-07	5.E-07	9.1E-02	4.1E-02	1.E-06	2.E-06	3.E-06
Total Direct Contact	**3.5E-01**	**1.5E-01**	**3.E-06**	**2.E-06**	**4.9E-01**	**2.1E-01**	**5.E-06**	**8.E-06**	**1.E-05**
Indoor Air	1.6E-05	2.4E-05	9.E-09	1.E-08	1.6E-05	6.5E-05	9.E-09	4.E-08	5.E-08
Total Risk - All Pathways	**3.5E-01**	**1.5E-01**	**3.E-06**	**2.E-06**	**4.9E-01**	**2.1E-01**	**5.E-06**	**9.E-06**	**1.E-05**
Upper-180									
Direct Groundwater Contact									
Showering	1.1E-13	3.7E-14	1.E-17	7.E-18	3.5E-13	8.5E-14	4.E-17	4.E-17	9.E-17
Ingestion	8.2E-02	3.3E-02	8.E-07	5.E-07	1.1E-01	4.8E-02	1.E-06	2.E-06	3.E-06
Dermal	1.6E-02	8.2E-03	1.E-07	1.E-07	2.8E-02	1.3E-02	3.E-07	5.E-07	7.E-07
Total Direct Contact	**9.8E-02**	**4.2E-02**	**9.E-07**	**6.E-07**	**1.4E-01**	**6.0E-02**	**1.E-06**	**2.E-06**	**3.E-06**
Indoor Air	1.6E-05	2.4E-05	9.E-09	1.E-08	1.6E-05	6.5E-05	9.E-09	4.E-08	5.E-08
Total Risk - All Pathways	**9.8E-02**	**4.2E-02**	**9.E-07**	**6.E-07**	**1.4E-01**	**6.0E-02**	**1.E-06**	**2.E-06**	**4.E-06**
Lower 180 - 400 feet									
Direct Groundwater Contact									
Showering	2.3E-13	7.5E-14	1.E-17	5.E-18	7.1E-13	1.7E-13	3.E-17	3.E-17	6.E-17
Ingestion	4.2E-02	1.7E-02	5.E-07	3.E-07	5.7E-02	2.4E-02	7.E-07	1.E-06	2.E-06
Dermal	8.2E-03	4.2E-03	8.E-08	6.E-08	1.4E-02	6.3E-03	1.E-07	2.E-07	4.E-07
Total Direct Contact	**5.0E-02**	**2.1E-02**	**6.E-07**	**4.E-07**	**7.1E-02**	**3.1E-02**	**8.E-07**	**1.E-06**	**2.E-06**
Indoor Air	1.6E-05	2.4E-05	9.E-09	1.E-08	1.6E-05	6.5E-05	9.E-09	4.E-08	5.E-08
Total Risk - All Pathways	**5.0E-02**	**2.1E-02**	**6.E-07**	**4.E-07**	**7.1E-02**	**3.1E-02**	**8.E-07**	**1.E-06**	**2.E-06**

Checked: AM

Approved: CA