

**Table 1. Evaluation of Vapor Intrusion to Indoor Air
Above the OUCTP
Operable Unit Carbon Tetrachloride Plume
Groundwater Remedial Investigation/Feasibility Study
Former Fort Ord, California**

Source Area	Sample Description	Sample Identifier	Sample Date	Modeled Indoor Air Concentration (µg/m ³)	Concentration in Air (ppbv)	Estimated Cancer Risk	Hazard Quotient
1. Soil Vapor Results							
	Soil vapor sample collected at 85 feet below ground surface	CTP-SGP-66	9/2/2004	NA	<0.079	NA	NA
2. Indoor Air Results							
	Indoor Air at Lexington Court	CTP-IA-004	3/9/2004	NA	0.099	NA	NA
	Indoor Air at Lexington Court	CTP-IA-008	3/15/2004	NA	0.092	NA	NA
	Outdoor Air at Lexington Court	CTP-OA-005	3/9/2004	NA	0.098	NA	NA
	Outdoor Air at Lexington Court	CTP-OA-009	3/15/2004	NA	0.09	NA	NA
	Background Outdoor - Minimum	Station S	3/3/2003	NA	0.067	NA	NA
	Background Outdoor Air - Maximum	Station Q and Station R	10/2/2003	NA	0.13	NA	NA
3. J&E Modeling Results (DTSC Version of the J&E Model)							
Soil Vapor to Indoor Air							
	Input is 2.8 ppbv carbon tetrachloride in soil vapor sample		3/9/2004	0.043	0.0068	NA	NA
	Input is 1.6 ppbv carbon tetrachloride in soil vapor sample		3/9/2004	0.0065	0.001	NA	NA
	Input is 2.6 ppbv carbon tetrachloride in soil vapor sample		3/15/2004	0.04	0.0063	NA	NA
	Input is 1.5 ppbv carbon tetrachloride in soil vapor sample		3/15/2004	0.0061	0.00096	NA	NA
Soil Vapor to Indoor Air							
	Input is 0.54 ppbv carbon tetrachloride in soil vapor sample	CTP-SGP-35	6/18/2004	0.004	0.0006	7.E-08	0.0001
	Input is 0.08 ppbv chloroform in soil vapor sample	CTP-SGP-35	6/18/2004	0.0005	0.0001	1E-09	0.000002
	Input is 0.12 ppbv tetrachloroethene in soil vapor sample	CTP-SGP-35	6/18/2004	0.0009	0.0001	2E-09	0.00003
	Input is 0.15 ppbv trichloroethene in soil vapor sample	CTP-SGP-35	6/18/2004	0.0001	0.00002	8E-10	0.000002
					Total	7.E-08	0.0001

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Groundwater to Indoor Air - Center of Plume						
Input is 13 ug/L carbon tetrachloride in water sample from MW-BW-53A	Estimated Indoor Air from CT plume	9/9/2004	1.3	0.205	2.E-05	0.031
Input is 4.9 ug/L trichloroethene in water sample from MW-BW-53A	Estimated Indoor Air from CT plume	9/9/2004	0.2	0.033	1.E-07	0.0003
Input is 1.6 ug/L chloroform in water sample from MW-BW-53A	Estimated Indoor Air from CT plume	9/9/2004	0.03	0.005	6.E-08	0.0001
				Total	2.E-05	0.031
Input is 7.6 ug/L carbon tetrachloride in water sample from MW-BW-53A	Estimated Indoor Air from CT plume	9/15/2005	0.8	0.120	1.E-05	0.018
Input is 1.9 ug/L trichloroethene in water sample from MW-BW-53A		9/15/2005	0.06	0.013	5.E-08	0.0001
Input is 0.73 ug/L chloroform in water sample from MW-BW-53A		9/15/2005	0.01	0.002	3.E-08	0.00004
				Total	1.E-05	0.018
Groundwater to Indoor Air - Downgradient Plume						
Input is 4 ug/L carbon tetrachloride in water sample from MW-BW-49A	Estimated Indoor Air from CT plume	9/15/2004	0.9	0.136	2.E-05	0.020
Input is 0.27 ug/L chloroform which is less than the detection limit		9/15/2004	0.009	0.002	2.E-08	0.00003
				Total	2.E-05	0.020
Input is 2.5 ug/L carbon tetrachloride in water sample from MW-BW-49A; no other VOCs were detected	Estimated Indoor Air	9/20/2005	0.5	0.085	9.E-06	0.013

Notes:
ppbv = parts per billion by volume
NA = Not applicable

Checked SK Approved CW