

Appendix C  
Soil Gas Surveys  
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**Table C1**  
**Phase I Soil Gas Investigation July 2002**  
**Appendix C**  
**Operable Unit Carbon Tetrachloride Plume**  
**Fort Ord, California**

Sample Location	Depth (feet bgs)	Date	Carbon tetrachloride (ppbv)	Chloroform (ppbv)	Tetrachloroethene (ppbv)	Trichloroethene (ppbv)
CTP-SG-01	6	7/10/2002	ND<79	ND<205	ND<147	ND<93
	20	7/10/2002	ND<79	ND<205	ND<147	ND<93
	60	7/10/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-02	6	7/10/2002	ND<79	ND<205	ND<147	ND<93
	20	7/10/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-03	6	7/10/2002	ND<79	ND<205	ND<147	ND<93
	20	7/10/2002	ND<79	ND<205	ND<147	ND<93
	60	7/10/2002	100	ND<205	ND<147	ND<93
CTP-SG-04	6	7/11/2002	ND<79	ND<205	ND<147	ND<93
	30	7/11/2002	ND<79	ND<205	ND<147	ND<93
	60	7/11/2002	160	ND<205	ND<147	ND<93
CTP-SG-05	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	45	7/12/2002	160	ND<205	ND<147	ND<93
CTP-SG-06	6	7/11/2002	ND<79	ND<205	ND<147	ND<93
	20	7/11/2002	ND<79	ND<205	ND<147	ND<93
	49	7/12/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-07	6	7/11/2002	ND<79	ND<205	ND<147	ND<93
	20	7/11/2002	ND<79	ND<205	ND<147	ND<93
	60	7/11/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-08	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	45	7/12/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-09	6	7/12/2002	ND<79	ND<205	ND<147	ND<93
	20	7/12/2002	ND<79	ND<205	ND<147	ND<93
	50	7/12/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-10	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	60	7/12/2002	86	ND<205	ND<147	ND<93
CTP-SG-11	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	60	7/12/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-12	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	55	7/12/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-13	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-14	6	7/10/2002	ND<79	ND<205	ND<147	ND<93
	20	7/10/2002	ND<79	ND<205	ND<147	ND<93
	45	7/10/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-15	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-16	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-17	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
	40	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-18	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-19	6	7/10/2002	ND<79	ND<205	ND<147	ND<93

**Table C1**  
**Phase I Soil Gas Investigation July 2002**  
**Appendix C**  
**Operable Unit Carbon Tetrachloride Plume**  
**Fort Ord, California**

Sample Location	Depth (feet bgs)	Date	Carbon tetrachloride (ppbv)	Chloroform (ppbv)	Tetrachloroethene (ppbv)	Trichloroethene (ppbv)
	20	7/10/2002	ND<79	ND<205	ND<147	ND<93
	50	7/10/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-20	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-21	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-22	6	7/11/2002	ND<79	ND<205	ND<147	ND<93
	20	7/11/2002	ND<79	ND<205	ND<147	ND<93
	60	7/11/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-23	6	7/9/2002	ND<79	ND<205	ND<147	ND<93
	20	7/9/2002	ND<79	ND<205	ND<147	ND<93
	45	7/9/2002	ND<79	ND<205	ND<147	ND<93
CTP-SG-24	6	7/8/2002	ND<79	ND<205	ND<147	ND<93
	20	7/8/2002	ND<79	ND<205	ND<147	ND<93
	45	7/8/2002	ND<79	ND<205	ND<147	ND<93

**Abbreviations:**

feet bgs = Feet below ground surface.

ppbv = Parts per billion by volume.

ND<# = Not detected above the laboratory reporting limit.

Checked                     *AM*                      
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 Approved                     *MST*

Table C2  
Phase II Soil Gas Investigation March 2003  
Appendix C  
Operable Unit Carbon Tetrachloride Plume  
Fort Ord, California

Sample Location	Depth (feet bgs)	Date	Carbon tetrachloride (ppbv)	Chloroform (ppbv)	Tetrachloroethene (ppbv)	Trichloroethene (ppbv)
CTP-SG-26	6	3/3/2003	ND<0.2	ND<0.2	ND<0.2	ND<0.2
	29	3/3/2003	4.4	0.24	0.48	0.53
	40	3/3/2003	10	0.81	0.42	1.2
	66	3/3/2003	14	1.7	0.51	2.7
	86	3/3/2003	18	2.5	0.78	4
CTP-SG-27	6	3/12/2003	2.7	0.65	0.96	0.4
	30	3/12/2003	18	1.9	2.6	3.4
	44	3/12/2003	21	2.4	2.3	3.8
	59	3/12/2003	27	3.5	3.4	5.1
	78	3/12/2003	31	4.5	4.1	6.8
CTP-SG-28	6	3/12/2003	6.6	0.42	1.1	ND<0.2
	27	3/12/2003	24	1.3	3.6	0.93
	44	3/13/2003	35	2.3	4.2	38
	59	3/13/2003	66	3.9	6.7	4
CTP-SG-29	6	3/3/2003	12	2	0.68	0.67
	19	3/3/2003	0.2	ND<0.2	0.58	ND<0.2
	40	3/3/2003	85	4.6	2.8	7
	60	3/3/2003	120	7.3	3.3	11
CTP-SG-30	6	3/12/2003	9.9	0.56	0.49	ND<0.4
	20	3/12/2003	27	1.3	0.95	0.46
	40	3/14/2003	81	3	2.1	2.2
	59	3/14/2003	280	13	5.3	12
	78	3/14/2003	280	14	5.6	14
CTP-SG-31	6	3/5/2003	ND<0.2	ND<0.2	ND<0.2	ND<0.2
	20	3/5/2003	10	0.67	0.46	ND<0.2
	40	3/5/2003	22	1.5	0.81	0.82
	64	3/5/2003	35	2.6	1.1	1.6
	85	3/12/2003	40	3.4	1.6	2.5

**Abbreviations:**

feet bgs = Feet below ground surface.

ppbv = Parts per billion by volume.

ND<# = Not detected above the laboratory reporting limit.

Checked           JM            
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Approved           MST





**Explanation**

- Soil Gas Boring Location
- ▲ Sample Probe Location

**Map of Boring and Probe Locations  
Phases 1-3**  
Former Fort Ord, California

PLATE  
**C1**

DRAWN  
CLH

JOB NUMBER  
55596 001701

APPROVED  
MDT/cml

DATE  
02/05

REVISED DATE



**Explanation**

- Soil Gas Sample Locations
- Carbon Tetrachloride Concentration Contours in ug/L;  
Dashed where inferred

CTP-SGP-45 (Carbon Tetrachloride Plume - Soil Gas Probe #45)  
 6/10/2003 6 feet (Sample Date and Depth of Sample)  
 4.4 A ppb(v/v) (Concentration, Qualifier, and units)



**Carbon Tetrachloride Conentrations in Soil Gas  
 Samples Taken at 6 foot Depth**  
 Former Fort Ord, California

PLATE  
**C2**

Oakland.M - 55596 - Soil-Gas.R1\_081.mxd



**Carbon Tetrachloride Concentrations in Soil Gas Samples Taken between 19 and 33 foot Depth**  
 Former Fort Ord, California

PLATE

**C3**

DRAWN  
FPC

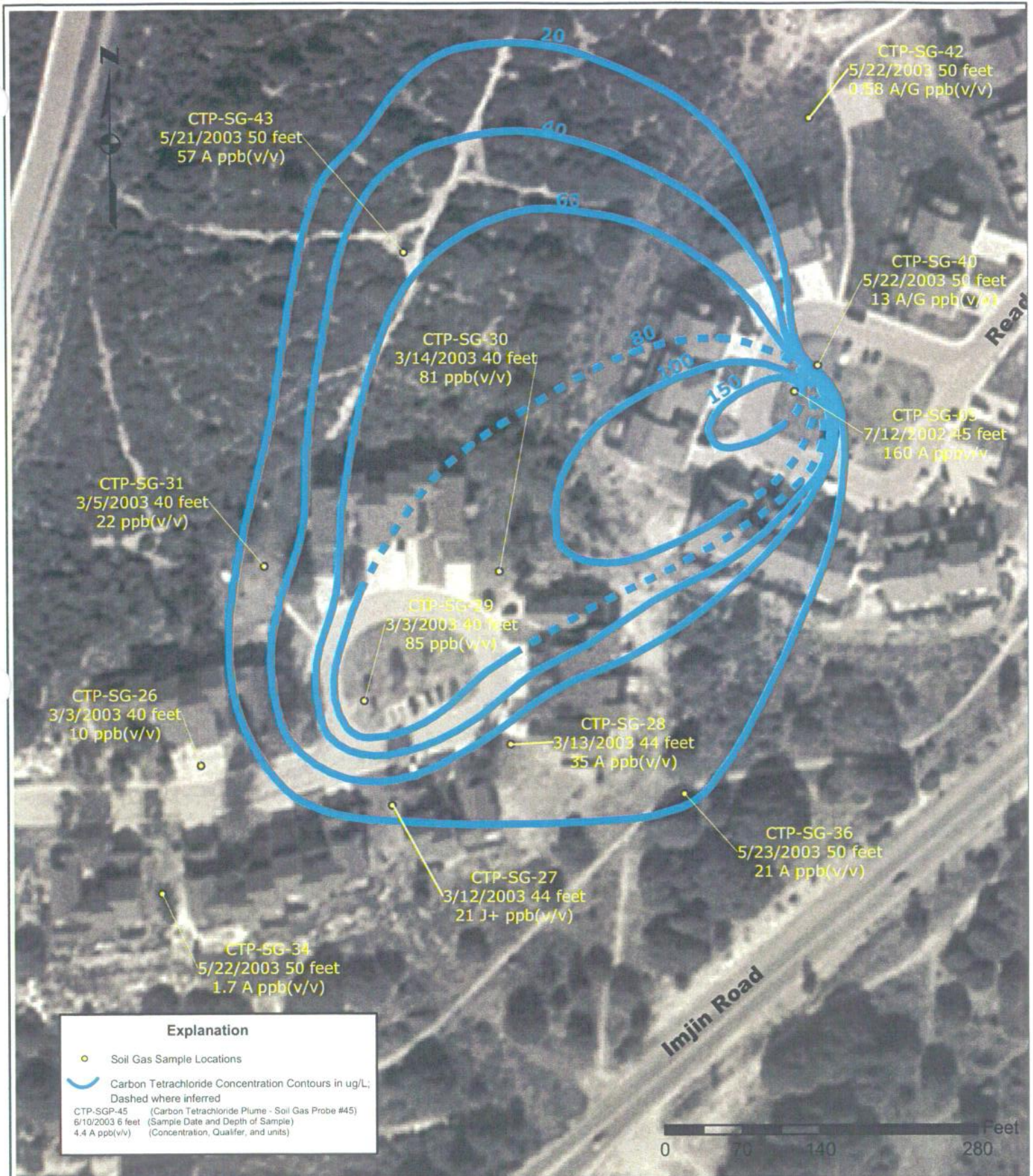
JOB NUMBER  
55596 001701

APPROVED  
*MDT*

DATE  
09/05

REVISED DATE





**Carbon Tetrachloride Concentrations in Soil Gas  
Samples Taken at 45 foot Depth**

PLATE

**C4**



Former Fort Ord, California

DRAWN

FPC

JOB NUMBER

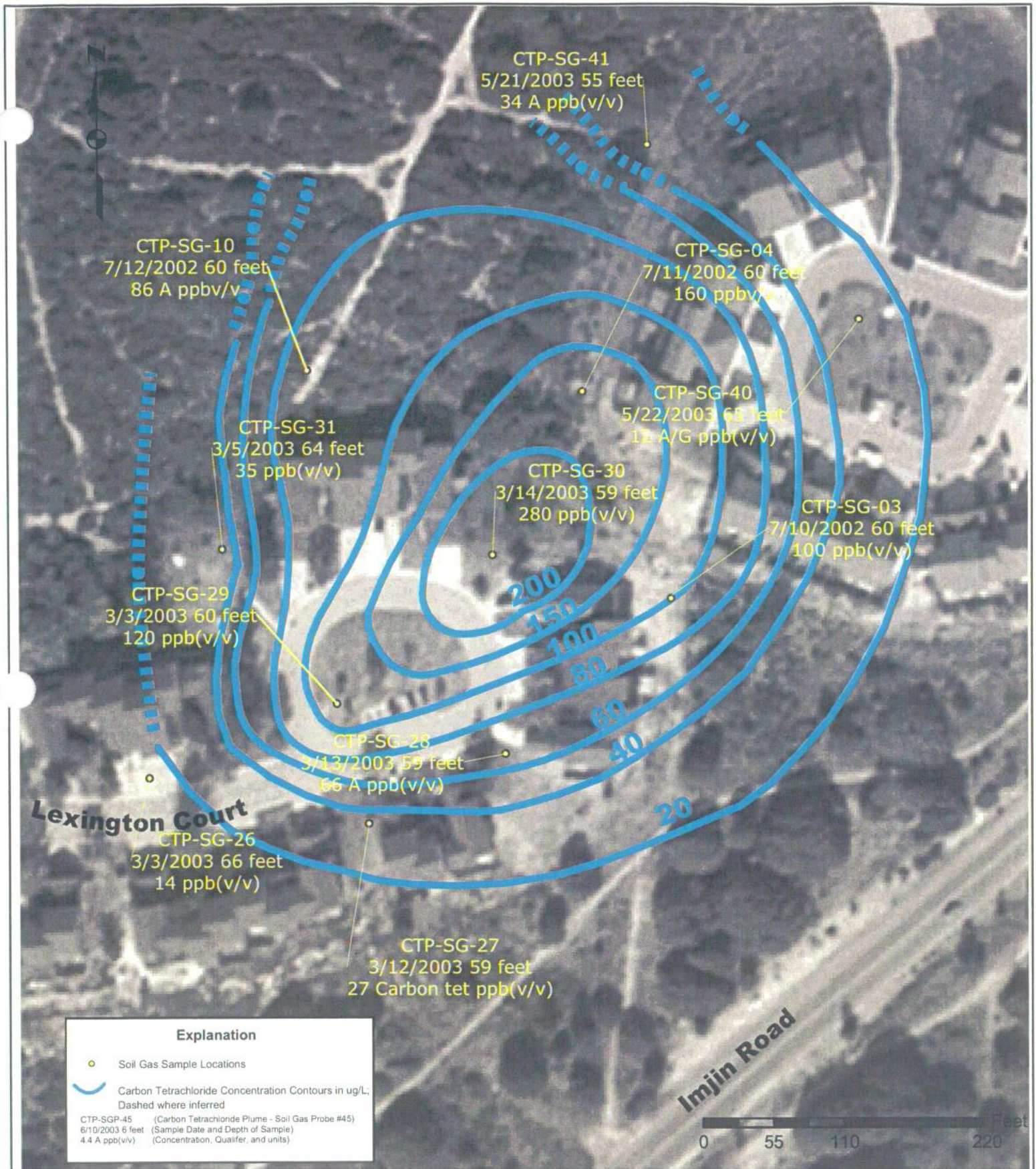
55596 001701

APPROVED

DATE

09/05

REVISED DATE



Explanation	
	Soil Gas Sample Locations
	Carbon Tetrachloride Concentration Contours in ug/L; Dashed where inferred
CTP-SGP-45	(Carbon Tetrachloride Plume - Soil Gas Probe #45)
6/10/2003 6 feet	(Sample Date and Depth of Sample)
4.4 A ppb(v/v)	(Concentration, Qualifier, and units)



**Carbon Tetrachloride Concentrations in Soil Gas  
Taken from Samples > 60 Foot Depth**

Former Fort Ord, California

PLATE

**C5**

DRAWN  
FPC

JOB NUMBER  
55596 001701

APPROVED

DATE  
09/05

REVISED DATE