

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
PTX06-1005	Spring-94	1,2-dichloroethane	µg/L	5.5	5 ⁽¹⁾	5	NR
PTX08-1006	Spring-94	1,2-dichloroethane	µg/L	5.7	5 ⁽¹⁾	5	NR
1114-MW2	Fall-94	1,2-dichloroethane	µg/L	6	5 ⁽¹⁾	5	NR
PTX06-1005	Fall-93	1,2-dichloroethane	µg/L	6	5 ⁽¹⁾	5	NR
PTX06-1010	Spring-94	1,2-dichloroethane	µg/L	6.8	5 ⁽¹⁾	5	NR
PTX06-1008	Fall-93	1,2-dichloroethane	µg/L	8	5 ⁽¹⁾	5	NR
PTX08-1006	Winter-94	1,2-dichloroethane	µg/L	10	5 ⁽¹⁾	5	NR
PTX06-1010	Fall-94	1,2-dichloroethane	µg/L	11.9	5 ⁽¹⁾	5	NR
PTX08-1006	Fall-93	1,2-dichloroethane	µg/L	13	5 ⁽¹⁾	5	NR
1114-MW2	Spring-94	1,2-dichloroethane	µg/L	14	5 ⁽¹⁾	5	NR
1114-MW2	Fall-93	1,2-dichloroethane	µg/L	15	5 ⁽¹⁾	5	NR
PTX06-1010	Fall-93	1,2-dichloroethane	µg/L	20	5 ⁽¹⁾	5	NR
OW-WR-20	1990	1,2-dichloroethane	µg/L	10	5 ⁽¹⁾	0.005	11
OW-WR-20	1991	1,2-dichloroethane	µg/L	6	5 ⁽¹⁾	0.005	10
1114-MW2	1994	1,2-dichloroethane	µg/L	140	5 ⁽¹⁾	0.005	5
PTX08-1002	Fall-94	1,3,5-trinitrobenzene	µg/L	14	NA	5.11	NR
PTX08-1002	Fall-93	1,3,5-trinitrobenzene	µg/L	15	NA	5.11	NR
PTX06-1003	Spring-94	1,3,5-trinitrobenzene	µg/L	17.8	NA	5.11	NR
PTX08-1002	Spring-94	1,3,5-trinitrobenzene	µg/L	18	NA	5.11	NR
PTX06-1010	Spring-94	1,3,5-trinitrobenzene	µg/L	30.1	NA	5.11	NR
PTX06-1003	Winter-94	1,3,5-trinitrobenzene	µg/L	30.3	NA	5.11	NR
PTX06-1003	Fall-94	1,3,5-trinitrobenzene	µg/L	42.5	NA	5.11	NR
PTX06-1004	Fall-94	1,3,5-trinitrobenzene	µg/L	368	NA	5.11	NR
PTX06-1004	Fall-93	1,3,5-trinitrobenzene	µg/L	395	NA	5.11	NR
PTX06-1004	Winter-94	1,3,5-trinitrobenzene	µg/L	456	NA	5.11	NR
PTX06-1005	Fall-94	1,3,5-trinitrobenzene	µg/L	738	NA	5.11	NR
PTX06-1005	Spring-94	1,3,5-trinitrobenzene	µg/L	805	NA	5.11	NR
PTX06-1005	Fall-93	1,3,5-trinitrobenzene	µg/L	810	NA	5.11	NR
PTX06-1004	Spring-94	1,3,5-trinitrobenzene	µg/L	1,980	NA	5.11	NR
PTX06-1005	Winter-94	1,3,5-trinitrobenzene	µg/L	2,230	NA	5.11	NR
PTX06-1005	Fall-93	2,4,6-trinitrotoluene	µg/L	63	NA	51	NR
PTX06-1004	Fall-93	2,4,6-trinitrotoluene	µg/L	102	NA	51	NR

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRA- TION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
PTX06-1004	Winter-94	2,4,6-trinitrotoluene	µg/L	122	NA	51	NR
PTX06-1005	Winter-94	2,4,6-trinitrotoluene	µg/L	248	NA	51	NR
PTX06-1002A	Winter-94	2-amino-4,6-dinitrotoluene	µg/L	1.32	NA	NR	NR
PTX06-1011	Winter-94	2-amino-4,6-dinitrotoluene	µg/L	2.46	NA	NR	NR
PTX08-1006	Winter-94	2-amino-4,6-dinitrotoluene	µg/L	5.04	NA	NR	NR
OW-WR-38	1992	Ammonia (as N)	mg/L	0.2	NA	NA	12
OW-WR-45	1993	Ammonia (as N)	mg/L	21	NA	NA	16
PTX10-1013	Fall-94	Benzene	µg/L	42.7	5 ⁽¹⁾	5	NR
PTX10-1013	Spring-94	Benzene	µg/L	43.7	5 ⁽¹⁾	5	NR
PTX10-1013	Winter-94	Benzene	µg/L	52.4	5 ⁽¹⁾	5	NR
PTX10-1013	Fall-93	Benzene	µg/L	64	5 ⁽¹⁾	5	NR
PTX08-1001	Winter-94	Chromium	µg/L	109	100 ⁽¹⁾	100	NR
OW-WR-38	Fall-94	Chromium	µg/L	112	100 ⁽¹⁾	100	NR
PTX10-1014	Fall-93	Chromium	µg/L	115	100 ⁽¹⁾	100	NR
PTX06-1007	Fall-93	Chromium	µg/L	119	100 ⁽¹⁾	100	NR
PTX07-1P01	Fall-94	Chromium	µg/L	123	100 ⁽¹⁾	100	NR
PTX06-1003	Spring-94	Chromium	µg/L	130	100 ⁽¹⁾	100	NR
PTX10-1014	Winter-94	Chromium	µg/L	190	100 ⁽¹⁾	100	NR
PTX06-1003	Fall-93	Chromium	µg/L	232	100 ⁽¹⁾	100	NR
PTX06-1011	Fall-94	Chromium	µg/L	260	100 ⁽¹⁾	100	NR
PTX06-1001A	Fall-94	Chromium	µg/L	277	100 ⁽¹⁾	100	NR
PTX06-1011	Winter-94	Chromium	µg/L	283	100 ⁽¹⁾	100	NR
PTX06-1011	Spring-94	Chromium	µg/L	330	100 ⁽¹⁾	100	NR
PTX06-1011	Fall-93	Chromium	µg/L	342	100 ⁽¹⁾	100	NR
OW-WR-20	Fall-93	Chromium	µg/L	560	100 ⁽¹⁾	100	NR
PTX06-1003	Winter-94	Chromium	µg/L	588	100 ⁽¹⁾	100	NR
PTX08-1008	Fall-93	Chromium	µg/L	603	100 ⁽¹⁾	100	NR
PTX08-1008	Winter-94	Chromium	µg/L	621	100 ⁽¹⁾	100	NR
OW-WR-20	Winter-94	Chromium	µg/L	680	100 ⁽¹⁾	100	NR
OW-WR-20	Spring-94	Chromium	µg/L	696	100 ⁽¹⁾	100	NR
PTX10-1014	Fall-94	Chromium	µg/L	710	100 ⁽¹⁾	100	NR

**TABLE C.2.2–2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRA- TION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
PTX08-1008	Spring-94	Chromium	µg/L	850	100 ⁽¹⁾	100	NR
PTX08-1009	Winter-94	Chromium	µg/L	1,750	100 ⁽¹⁾	100	NR
OW-WR-20	Fall-94	Chromium	µg/L	1,830	100 ⁽¹⁾	100	NR
PTX08-1008	Fall-94	Chromium	µg/L	2,090	100 ⁽¹⁾	100	NR
PTX08-1009	Fall-93	Chromium	µg/L	2,110	100 ⁽¹⁾	100	NR
PTX06-1010	Fall-93	Chromium	µg/L	2,730	100 ⁽¹⁾	100	NR
PTX08-1009	Fall-94	Chromium	µg/L	2,760	100 ⁽¹⁾	100	NR
PTX08-1009	Spring-94	Chromium	µg/L	2,930	100 ⁽¹⁾	100	NR
PTX06-1010	Spring-94	Chromium	µg/L	4,300	100 ⁽¹⁾	100	NR
PTX06-1010	Fall-94	Chromium	µg/L	6,040	100 ⁽¹⁾	100	NR
PTX06-1010	Winter-94	Chromium	µg/L	9,040	100 ⁽¹⁾	100	NR
OW-WR-20	1990	Chromium	µg/L	120	100 ⁽¹⁾	100	11
OW-WR-38	1991	Chromium	µg/L	120	100 ⁽¹⁾	100	10
OW-WR-38	1994	Chromium	µg/L	150	100 ⁽¹⁾	100	12
OW-WR-20	1992	Chromium	µg/L	230	100 ⁽¹⁾	100	12
OW-WR-20	1993	Chromium	µg/L	594	100 ⁽¹⁾	100	11
OW-WR-20	1994	Chromium	µg/L	1,950	100 ⁽¹⁾	100	12
OW-WR-44	1991	Chromium	µg/L	3,100	100 ⁽¹⁾	100	10
PTX08-1009	Spring-94	Chromium (hexavalent)	µg/L	211	NA	100	NR
PTX06-1011	Winter-94	Chromium (hexavalent)	µg/L	224	NA	100	NR
PTX06-1011	Fall-94	Chromium (hexavalent)	µg/L	230	NA	100	NR
PTX06-1011	Fall-93	Chromium (hexavalent)	µg/L	230	NA	100	NR
PTX06-1011	Spring-94	Chromium (hexavalent)	µg/L	346	NA	100	NR
PTX08-1008	Fall-93	Chromium (hexavalent)	µg/L	530	NA	100	NR
PTX08-1008	Winter-94	Chromium (hexavalent)	µg/L	563	NA	100	NR
PTX08-1008	Spring-94	Chromium (hexavalent)	µg/L	850	NA	100	NR
PTX08-1009	Winter-94	Chromium (hexavalent)	µg/L	1,770	NA	100	NR
PTX08-1008	Fall-94	Chromium (hexavalent)	µg/L	1,800	NA	100	NR
PTX08-1009	Fall-93	Chromium (hexavalent)	µg/L	2,200	NA	100	NR
PTX06-1010	Winter-94	Chromium (hexavalent)	µg/L	2,220	NA	100	NR
PTX08-1009	Fall-94	Chromium (hexavalent)	µg/L	2,500	NA	100	NR
PTX06-1010	Fall-93	Chromium (hexavalent)	µg/L	3,000	NA	100	NR
OW-WR-20	1991	Chromium (hexavalent)	µg/L	100	NA	100	5

**TABLE C.2.2–2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-20	1992	Chromium (hexavalent)	µg/L	280	NA	100	3
OW-WR-20	1993	Chromium (hexavalent)	µg/L	440	NA	100	1
PTX06-1010	Winter-94	Copper	µg/L	236	1000 ⁽²⁾	40	NR
OW-WR-44	1990	Gross Alpha (dissolved)	µCi E-9/ml	20	15	NA	11
OW-WR-20	1990	Gross Alpha (dissolved)	µCi E-9/ml	28	15	NA	11
OW-WR-20	1994	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	11
OW-WR-45	1994	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	9
OW-WR-PTX3	1994	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	10
OW-WR-19	1990	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	11
OW-WR-20	1991	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	10
OW-WR-20	1992	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	11
OW-WR-20	1993	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	10
OW-WR-38	1991	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	10
OW-WR-44	1992	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	10
OW-WR-45	1990	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	11
OW-WR-45	1991	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	9
OW-WR-45	1992	Gross Alpha (suspended)	µCi E-9/ml	1	NA	NA	9
OW-WR-19	1993	Gross Alpha (suspended)	µCi E-9/ml	2	NA	NA	12
OW-WR-38	1990	Gross Alpha (suspended)	µCi E-9/ml	2	NA	NA	11
OW-WR-38	1992	Gross Alpha (suspended)	µCi E-9/ml	2	NA	NA	11
OW-WR-38	1993	Gross Alpha (suspended)	µCi E-9/ml	2	NA	NA	9
OW-WR-44	1991	Gross Alpha (suspended)	µCi E-9/ml	2	NA	NA	10
OW-WR-20	1990	Gross Alpha (suspended)	µCi E-9/ml	5	NA	NA	11
OW-WR-19	1991	Gross Alpha (suspended)	µCi E-9/ml	7	NA	NA	10
OW-WR-19	1992	Gross Alpha (suspended)	µCi E-9/ml	7	NA	NA	10
OW-WR-19	Fall-93	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-20	Fall-93	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-20	Fall-94	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-38	Fall-94	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-19	Winter-94	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-20	Winter-94	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-45	Winter-94	Gross Beta (suspended)	µCi E-9/ml	1	NA	NR	NR
OW-WR-19	1994	Gross Beta (suspended)	µCi E-9/ml	1	NA	NA	11
OW-WR-20	1994	Gross Beta (suspended)	µCi E-9/ml	1	NA	NA	12
OW-WR-38	1994	Gross Beta (suspended)	µCi E-9/ml	1	NA	NA	12
BEG-PTX3	1994	Gross Beta (suspended)	µCi E-9/ml	1	NA	NA	10

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-19	1991	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	10
OW-WR-19	1992	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	10
OW-WR-20	1990	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	11
OW-WR-38	1992	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	11
OW-WR-44	1990	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	11
OW-WR-44	1992	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	10
OW-WR-45	1993	Gross Beta (suspended)	μCi E-9/ml	1	NA	NA	14
OW-WR-45	1994	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	9
OW-WR-19	1990	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	11
OW-WR-20	1991	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	10
OW-WR-20	1992	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	11
OW-WR-20	1993	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	10
OW-WR-44	1993	Gross Beta (suspended)	μCi E-9/ml	2	NA	NA	12
OW-WR-44	1994	Gross Beta (suspended)	μCi E-9/ml	3	NA	NA	10
OW-WR-19	1993	Gross Beta (suspended)	μCi E-9/ml	3	NA	NA	12
OW-WR-38	1993	Gross Beta (suspended)	μCi E-9/ml	3	NA	NA	9
OW-WR-45	1991	Gross Beta (suspended)	μCi E-9/ml	3	NA	NA	9
OW-WR-44	1991	Gross Beta (suspended)	μCi E-9/ml	4	NA	NA	10
OW-WR-45	1992	Gross Beta (suspended)	μCi E-9/ml	4	NA	NA	9
OW-WR-45	1990	Gross Beta (suspended)	μCi E-9/ml	5	NA	NA	11
OW-WR-38	1990	Gross Beta (suspended)	μCi E-9/ml	6	NA	NA	11
OW-WR-38	1991	Gross Beta (suspended)	μCi E-9/ml	6	NA	NA	10
PTX06-1004	Spring-94	HMX	μg/L	11,000	NA	5,110	NR
PTX06-1007	Fall-94	Iron	μg/L	300	300 ⁽²⁾	1,900	NR
PTX07-1002	Fall-94	Iron	μg/L	300	300 ⁽²⁾	1,900	NR
PTX07-1P01	Fall-94	Iron	μg/L	300	300 ⁽²⁾	1,900	NR
PTX06-1001A	Spring-94	Iron	μg/L	300	300 ⁽²⁾	1,900	NR
PTX06-1007	Spring-94	Iron	μg/L	300	300 ⁽²⁾	1,900	NR
OW-WR-20	Spring-94	Iron	μg/L	330	300 ⁽²⁾	1,900	NR
OW-WR-20	Fall-93	Iron	μg/L	340	300 ⁽²⁾	1,900	NR
PTX06-1002A	Winter-94	Iron	μg/L	354	300 ⁽²⁾	1,900	NR
PTX06-1001A	Winter-94	Iron	μg/L	370	300 ⁽²⁾	1,900	NR
PTX06-1011	Winter-94	Iron	μg/L	381	300 ⁽²⁾	1,900	NR
PTX07-1P02	Fall-94	Iron	μg/L	400	300 ⁽²⁾	1,900	NR

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
PTX06-1007	Winter-94	Iron	µg/L	414	300 ⁽²⁾	1,900	NR
PTX08-1001	Fall-93	Iron	µg/L	436	300 ⁽²⁾	1,900	NR
PTX06-1007	Fall-93	Iron	µg/L	448	300 ⁽²⁾	1,900	NR
OW-WR-38	Fall-94	Iron	µg/L	520	300 ⁽²⁾	1,900	NR
PTX07-1O01	Fall-94	Iron	µg/L	600	300 ⁽²⁾	1,900	NR
PTX10-1014	Fall-93	Iron	µg/L	790	300 ⁽²⁾	1,900	NR
PTX06-1011	Fall-93	Iron	µg/L	817	300 ⁽²⁾	1,900	NR
PTX06-1003	Fall-93	Iron	µg/L	888	300 ⁽²⁾	1,900	NR
PTX07-1Q01	Fall-94	Iron	µg/L	900	300 ⁽²⁾	1,900	NR
PTX06-1010	Fall-93	Iron	µg/L	1,010	300 ⁽²⁾	1,900	NR
OW-WR-19	Fall-93	Iron	µg/L	1,020	300 ⁽²⁾	1,900	NR
PTX07-1P03	Fall-94	Iron	µg/L	1,100	300 ⁽²⁾	1,900	NR
PTX06-1010	Fall-94	Iron	µg/L	1,300	300 ⁽²⁾	1,900	NR
PTX06-1003	Spring-94	Iron	µg/L	1,400	300 ⁽²⁾	1,900	NR
PTX08-1001	Winter-94	Iron	µg/L	1,680	300 ⁽²⁾	1,900	NR
PTX10-1014	Spring-94	Iron	µg/L	1,700	300 ⁽²⁾	1,900	NR
PTX10-1014	Fall-94	Iron	µg/L	1,900	300 ⁽²⁾	1,900	NR
OW-WR-19	Winter-94	Iron	µg/L	2,100	300 ⁽²⁾	1,900	NR
OW-WR-19	Fall-94	Iron	µg/L	2,160	300 ⁽²⁾	1,900	NR
OW-WR-19	Spring-94	Iron	µg/L	2,160	300 ⁽²⁾	1,900	NR
PTX10-1014	Winter-94	Iron	µg/L	2,290	300 ⁽²⁾	1,900	NR
PTX06-1006	Spring-94	Iron	µg/L	2,600	300 ⁽²⁾	1,900	NR
PTX06-1010	Spring-94	Iron	µg/L	2,600	300 ⁽²⁾	1,900	NR
PTX06-1003	Winter-94	Iron	µg/L	2,770	300 ⁽²⁾	1,900	NR
OW-WR-20	Winter-94	Iron	µg/L	3,550	300 ⁽²⁾	1,900	NR
PTX06-1001A	Fall-94	Iron	µg/L	4,000	300 ⁽²⁾	1,900	NR
PTX06-1010	Winter-94	Iron	µg/L	16,200	300 ⁽²⁾	1,900	NR
OW-WR-38	1992	Iron	µg/L	350	300 ⁽²⁾	1,900	11
BEG-PTX3	1994	Iron	µg/L	400	300 ⁽²⁾	1,900	10
OW-WR-45	1993	Iron	µg/L	600	300 ⁽²⁾	1,900	16

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LOCATION	DATE	PARAMETER	UNITS	CONCENTRA- TION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-38	1994	Iron	µg/L	950	300 ⁽²⁾	1,900	12
OW-WR-20	1992	Iron	µg/L	1,200	300 ⁽²⁾	1,900	12
OW-WR-19	1994	Iron	µg/L	2,160	300 ⁽²⁾	1,900	13
OW-WR-20	1993	Iron	µg/L	2,300	300 ⁽²⁾	1,900	11
OW-WR-19	1991	Iron	µg/L	2,500	300 ⁽²⁾	1,900	10
OW-WR-19	1992	Iron	µg/L	2,500	300 ⁽²⁾	1,900	10
OW-WR-38	1991	Iron	µg/L	2,500	300 ⁽²⁾	1,900	10
OW-WR-44	1991	Iron	µg/L	2,500	300 ⁽²⁾	1,900	10
OW-WR-19	1993	Iron	µg/L	2,600	300 ⁽²⁾	1,900	12
OW-WR-20	1994	Iron	µg/L	3,550	300 ⁽²⁾	1,900	12
OW-WR-20	1991	Iron	µg/L	3,700	300 ⁽²⁾	1,900	10
OW-WR-20	1990	Iron	µg/L	5,000	300 ⁽²⁾	1,900	11
OW-WR-19	1990	Iron	µg/L	5,500	300 ⁽²⁾	1,900	11
PTX06-1008	Spring-94	Lead	µg/L	31	15 ⁽³⁾	100	NR
PTX10-1014	Winter-94	Manganese	µg/L	44	50 ⁽²⁾	40	NR
PTX10-1013	Spring-94	Manganese	µg/L	50	50 ⁽²⁾	40	NR
PTX10-1013	Fall-94	Manganese	µg/L	54	50 ⁽²⁾	40	NR
PTX10-1013	Winter-94	Manganese	µg/L	56	50 ⁽²⁾	40	NR
PTX07-1Q01	Fall-94	Manganese	µg/L	57	50 ⁽²⁾	40	NR
PTX06-1010	Fall-93	Manganese	µg/L	64	50 ⁽²⁾	40	NR
PTX07-1P03	Fall-94	Manganese	µg/L	111	50 ⁽²⁾	40	NR
PTX07-1P01	Fall-94	Manganese	µg/L	271	50 ⁽²⁾	40	NR
PTX08-1005	Fall-94	Methylene Chloride	µg/L	5.5	NA	5	NR
PTX08-1005	Spring-94	Methylene Chloride	µg/L	6.1	NA	5	NR
PTX08-1005	Winter-94	Methylene Chloride	µg/L	11.8	NA	5	NR
OW-WR-45	Fall-93	Nickel	µg/L	110	100 ⁽¹⁾	100	NR
OW-WR-45	Spring-94	Nickel	µg/L	110	100 ⁽¹⁾	100	NR
PTX07-1P02	Fall-94	Nickel	µg/L	113	100 ⁽¹⁾	100	NR
OW-WR-45	Spring-94	Nickel	µg/L	120	100 ⁽¹⁾	100	NR
PTX06-1003	Fall-94	Nickel	µg/L	122	100 ⁽¹⁾	100	NR

**TABLE C.2.2–2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-45	Winter-94	Nickel	µg/L	140	100 ⁽¹⁾	100	
OW-WR-45	Fall-94	Nickel	µg/L	159	100 ⁽¹⁾	100	NR
OW-WR-38	Fall-93	Nickel	µg/L	160	100 ⁽¹⁾	100	NR
PTX06-1003	Spring-94	Nickel	µg/L	180	100 ⁽¹⁾	100	NR
PTX06-1007	Spring-94	Nickel	µg/L	180	100 ⁽¹⁾	100	NR
PTX06-1010	Spring-94	Nickel	µg/L	180	100 ⁽¹⁾	100	NR
PTX06-1010	Fall-93	Nickel	µg/L	192	100 ⁽¹⁾	100	NR
PTX07-1P01	Fall-94	Nickel	µg/L	199	100 ⁽¹⁾	100	NR
PTX10-1014	Fall-93	Nickel	µg/L	207	100 ⁽¹⁾	100	NR
PTX06-1003	Winter-94	Nickel	µg/L	214	100 ⁽¹⁾	100	NR
PTX06-1007	Winter-94	Nickel	µg/L	219	100 ⁽¹⁾	100	NR
PTX06-1007	Fall-93	Nickel	µg/L	223	100 ⁽¹⁾	100	NR
PTX06-1003	Fall-93	Nickel	µg/L	229	100 ⁽¹⁾	100	NR
PTX06-1001A	Spring-94	Nickel	µg/L	230	100 ⁽¹⁾	100	NR
OW-WR-38	Winter-94	Nickel	µg/L	230	100 ⁽¹⁾	100	NR
PTX06-1001A	Fall-94	Nickel	µg/L	243	100 ⁽¹⁾	100	NR
PTX10-1014	Spring-94	Nickel	µg/L	250	100 ⁽¹⁾	100	NR
PTX06-1001A	Fall-93	Nickel	µg/L	253	100 ⁽¹⁾	100	NR
OW-WR-38	Spring-94	Nickel	µg/L	270	100 ⁽¹⁾	100	NR
OW-WR-38	Fall-94	Nickel	µg/L	280	100 ⁽¹⁾	100	NR
PTX06-1001A	Winter-94	Nickel	µg/L	286	100 ⁽¹⁾	100	NR
PTX06-1010	Winter-94	Nickel	µg/L	338	100 ⁽¹⁾	100	NR
PTX10-1014	Winter-94	Nickel	µg/L	344	100 ⁽¹⁾	100	NR
PTX10-1014	Fall-94	Nickel	µg/L	356	100 ⁽¹⁾	100	NR
BEG-PTX3	1994	Nickel	µg/L	100	100 ⁽¹⁾	100	10
OW-WR-45	1994	Nickel	µg/L	170	100 ⁽¹⁾	100	10
OW-WR-38	1994	Nickel	µg/L	390	100 ⁽¹⁾	100	12
PTX06-1011	Spring-94	Nitrate (as N)	mg/L	230	10 ⁽¹⁾	16.2	NR
OW-WR-38	1991	Orthophosphate (as P)	mg/L	0.02	NA	NA	5
OW-WR-38	1992	Orthophosphate (as P)	mg/L	0.06	NA	NA	1

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRA- TION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-20	1992	Orthophosphate (as P)	mg/L	0.7	NA	NA	1
PTX07-1P01	Fall-94	pH	NR	6.49	6.5-8.5 ⁽³⁾	NA	NR
1114-MW1	1994	pH	NR	8.8	6.5-8.5 ⁽³⁾	NA	5
1114-MW2	1994	pH	NR	8.8	6.5-8.5 ⁽³⁾	NA	5
BEG-PTX3	1994	pH	NR	9	6.5-8.5 ⁽³⁾	NA	10
PTX08-1003	Winter-94	Potassium	µg/L	59,950	NA	13,300	NR
PTX06-1011	Winter-94	RDX	µg/L	27.1	NA	26	NR
PTX08-1005	Fall-94	RDX	µg/L	29	NA	26	NR
PTX06-1011	Fall-94	RDX	µg/L	30.7	NA	26	
PTX06-1002A	Fall-93	RDX	µg/L	34	NA	26	NR
PTX06-1002A	Winter-94	RDX	µg/L	35.1	NA	26	NR
PTX07-1P02	Fall-94	RDX	µg/L	40	NA	26	NR
PTX06-1010	Fall-93	RDX	µg/L	40	NA	26	NR
PTX06-1002A	Fall-94	RDX	µg/L	50.5	NA	26	NR
PTX06-1010	Winter-94	RDX	µg/L	66.8	NA	26	NR
PTX07-1003	Fall-94	RDX	µg/L	71.5	NA	26	NR
PTX07-1001	Fall-94	RDX	µg/L	84.5	NA	26	NR
PTX08-1002	Fall-93	RDX	µg/L	101	NA	26	NR
PTX08-1002	Winter-94	RDX	µg/L	154	NA	26	NR
PTX08-1002	Spring-94	RDX	µg/L	212	NA	26	NR
PTX06-1010	Fall-94	RDX	µg/L	235	NA	26	NR
PTX08-1002	Fall-94	RDX	µg/L	287	NA	26	NR
PTX06-1010	Spring-94	RDX	µg/L	465	NA	26	NR
OW-WR-20	Fall-93	RDX	µg/L	1,000	NA	26	NR
PTX06-1005	Fall-94	RDX	µg/L	1,120	NA	26	NR
PTX06-1005	Spring-94	RDX	µg/L	1,490	NA	26	NR
PTX06-1004	Fall-94	RDX	µg/L	1,970	NA	26	NR
PTX06-1005	Fall-93	RDX	µg/L	2,020	NA	26	NR
PTX06-1004	Winter-94	RDX	µg/L	2,200	NA	26	NR
PTX06-1005	Winter-94	RDX	µg/L	2,420	NA	26	NR
PTX06-1004	Fall-93	RDX	µg/L	3,070	NA	26	NR
PTX06-1004	Spring-94	RDX	µg/L	4,920	NA	26	NR
OW-WR-44	1992	RDX	µg/L	33	NA	26	10
OW-WR-38	1993	RDX	µg/L	34	NA	26	11
OW-WR-38	1990	RDX	µg/L	38	NA	26	11
OW-WR-20	1992	RDX	µg/L	920	NA	26	12
OW-WR-20	1991	RDX	µg/L	950	NA	26	10

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRATION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
OW-WR-20	1993	RDX	µg/L	1,000	NA	26	9
OW-WR-20	1994	RDX	µg/L	1,100	NA	26	9
OW-WR-20	1990	RDX	µg/L	2,400	NA	26	11
PTX06-1005	Fall-93	Total Dissolved Solids	µg/L	9,286	1,000 ⁽²⁾	8,057	NR
PTX06-1011	Winter-94	Tetrachloroethene	µg/L	6	NA	5	NR
PTX06-1011	Spring-94	Tetrachloroethene	µg/L	6.1	NA	5	NR
PTX06-1011	Fall-94	Tetrachloroethene	µg/L	11.8	NA	5	NR
OW-WR-44	Fall-93	Tetrahydrofuran	µg/L	12	NR	NR	NR
BEG-PTX3	Fall-93	Tetrahydrofuran	µg/L	13	NR	NR	NR
OW-WR-19	Fall-93	Tetrahydrofuran	µg/L	13	NR	NR	NR
OW-WR-45	Fall-93	Tetrahydrofuran	µg/L	14	NR	NR	NR
OW-WR-PTX2	Fall-93	Tetrahydrofuran	µg/L	15	NR	NR	NR
OW-WR-20	Fall-93	Tetrahydrofuran	µg/L	15	NR	NR	NR
PTX06-1010	Winter-94	Trichloroethene	µg/L	5	NA	5	NR
PTX06-1008	Spring-94	Trichloroethylene	µg/L	5.5	NA	5	NR
1114-MW1	Fall-93	Trichloroethylene	µg/L	5.7	NA	5	NR
OW-WR-45	Winter-94	Trichloroethylene	µg/L	5.9	NA	5	NR
OW-WR-45	Fall-93	Trichloroethylene	µg/L	6	NA	5	NR
PTX06-1011	Fall-93	Trichloroethylene	µg/L	6	NA	5	NR
PTX06-1011	Winter-94	Trichloroethylene	µg/L	6	NA	5	NR
OW-WR-45	Spring-94	Trichloroethylene	µg/L	6.8	NA	5	NR
PTX06-1010	Spring-94	Trichloroethylene	µg/L	6.8	NA	5	NR
OW-WR-45	Fall-94	Trichloroethylene	µg/L	6.9	NA	5	NR
PTX06-1008	Winter-94	Trichloroethylene	µg/L	7	NA	5	NR
PTX06-1008	Fall-94	Trichloroethylene	µg/L	7.1	NA	5	NR
PTX08-1006	Fall-94	Trichloroethylene	µg/L	7.3	NA	5	NR
PTX08-1006	Spring-94	Trichloroethylene	µg/L	7.3	NA	5	NR
PTX06-1011	Fall-94	Trichloroethylene	µg/L	7.7	NA	5	NR
PTX06-1008	Fall-93	Trichloroethylene	µg/L	8	NA	5	NR
PTX06-1010	Fall-93	Trichloroethylene	µg/L	8	NA	5	NR
OW-WR-45	Spring-94	Trichloroethylene	µg/L	9.6	NA	5	NR
PTX06-1010	Fall-94	Trichloroethylene	µg/L	10.5	NA	5	NR
PTX08-1006	Winter-94	Trichloroethylene	µg/L	10.8	NA	5	NR
PTX08-1007	Fall-94	Trichloroethylene	µg/L	12.2	NA	5	NR
1114-MW2	Fall-94	Trichloroethylene	µg/L	13	NA	5	NR
PTX08-1006	Fall-93	Trichloroethylene	µg/L	13	NA	5	NR
PTX08-1007	Spring-94	Trichloroethylene	µg/L	13.5	NA	5	NR

**TABLE C.2.2-2.—Suspected COCs in Pantex Plant Perched Aquifer Wells,
Groundwater Analysis for 1990 to 1994-Continued**

LOCATION	DATE	PARAMETER	UNITS	CONCENTRA- TION OR ACTIVITY	DECISION CRITERIA	RISK REDUCTION STANDARDS	# OF SAMPLES
1114-MW2	Fall-93	Trichloroethylene	µg/L	16	NA	5	NR
PTX08-1007	Winter-94	Trichloroethylene	µg/L	16.4	NA	5	NR
PTX08-1003	Fall-93	Trichloroethylene	µg/L	28	NA	5	NR
PTX10-1014	Spring-94	Trichloroethylene	µg/L	35.3	NA	5	NR
PTX10-1014	Fall-94	Trichloroethylene	µg/L	45.6	NA	5	NR
PTX10-1014	Winter-94	Trichloroethylene	µg/L	47.4	NA	5	NR
PTX10-1014	Fall-93	Trichloroethylene	µg/L	51	NA	5	NR
PTX10-1013	Spring-94	Trichloroethylene	µg/L	55.6	NA	5	NR
PTX10-1013	Fall-94	Trichloroethylene	µg/L	59.3	NA	5	NR
PTX10-1013	Winter-94	Trichloroethylene	µg/L	68.1	NA	5	NR
OW-WR-20	Fall-93	Trichloroethylene	µg/L	76	NA	5	NR
PTX10-1013	Fall-93	Trichloroethylene	µg/L	95	NA	5	NR
OW-WR-20	Spring-94	Trichloroethylene	µg/L	95	NA	5	NR
OW-WR-20	Winter-94	Trichloroethylene	µg/L	100	NA	5	NR
OW-WR-20	Fall-94	Trichloroethylene	µg/L	110	NA	5	NR
PTX08-1005	Fall-94	Trichloroethylene	µg/L	260	NA	5	NR
PTX08-1005	Spring-94	Trichloroethylene	µg/L	353	NA	5	NR
PTX08-1005	Winter-94	Trichloroethylene	µg/L	416	NA	5	NR
PTX08-1005	Fall-93	Trichloroethylene	µg/L	617	NA	5	NR
OW-WR-20	1990	Trichloroethylene	µg/L	5	NA	5	11
OW-WR-20	1991	Trichloroethylene	µg/L	5	NA	5	10
OW-WR-45	1990	Trichloroethylene	µg/L	8	NA	5	11
OW-WR-45	1992	Trichloroethylene	µg/L	8	NA	5	2
OW-WR-45	1993	Trichloroethylene	µg/L	8	NA	5	16
1114-MW1	1994	Trichloroethylene	µg/L	9	NA	5	5
OW-WR-45	1991	Trichloroethylene	µg/L	9	NA	5	9
OW-WR-45	1994	Trichloroethylene	µg/L	10	NA	5	8
1114-MW2	1994	Trichloroethylene	µg/L	15	NA	5	5
OW-WR-20	1992	Trichloroethylene	µg/L	22	NA	5	4
OW-WR-44	1992	Trichloroethylene	µg/L	22	NA	5	2
OW-WR-20	1993	Trichloroethylene	µg/L	93	NA	5	10
OW-WR-20	1994	Trichloroethylene	µg/L	150	NA	5	12

Constituent abbreviations:

 HMX - High melt explosive

 RDX - Research development explosive

NA - Not available

NR - Information not reported

Sources: MH 1991; Battelle 1992; Battelle 1993; DOE 1994a; DOE 1995; USCOE 1994a; USCOE 1995; USCOE 1995a