TABLE 1

Well Specifications
Cooper Drum Company Site, South Gate, California

Well Number	Date Installed	Total Depth (1)	Screen Interval (1)	TOC Elevation (2)	Ground Surface Elevation (2)	Diameter	Type (3)	Aquifer Zone
On-site Wells								
MW-1	8/9/90	84	52-84	102.83	103.72	4-inch	M	Gaspur
MW-2	8/8/90	82	50–82	104.59	104.7	4-inch	M	Gaspur
MW-3	8/10/90	73.5	52–73.5	103.98	104.2	4-inch	M	Gaspur
MW-4	9/9/91	82	50–82	102.91	103.3	4-inch	M	Gaspur
MW-5	5/28/92	75	30–75	103.42	104.17	4-inch	M	Perched/Gaspur
MW-21	10/22/03	75	55–75	103.63	104.06	4-inch	M	Gaspur
EW-1	3/29/99	90.5	48.5–88.5	103.24	103.65	6-inch	E	Gaspur
EW-2	12/6/00	87	38.5–78.5	103.65	104.08	6-inch	E	Gaspur
SVE-1	12/4/00	44	8–43	104.5	104.96	4-inch	E	Perched
SVE-2	2/27/04	52	8B48	NA	NA	4-inch	E	Perched
Off-site Wells								
MW-8	4/15/93	75	41–74.5	103.21	103.6	4-inch	M	Gaspur
MW-10	4/15/93	75	45–74.5	103.83	104	4-inch	M	Gaspur
MW-12	6/27/96	62	42–62	104.25	104.6	4-inch	M	Gaspur
MW-14	6/28/96	60	30–60	102.22	102.5	4-inch	M	Perched/Gaspur
M W-15	11/30/00	87	70–85	102.77	102.98	4-inch	M	Gaspur
MW-16	11/28/00	135	118–128	102.75	102.96	2-inch	M	Exposition
MW-17	11/30/00	80	69–79	103.36	103.65	4-inch	M	Gaspur
MW-18	11/29/00	135	118–128	103.42	103.64	2-inch	M	Exposition
MW-19	12/5/00	80	67–77	104.05	104.35	4-inch	M	Gaspur
MW-20	2/28/03	75	55–70	102.84	103.29	4-inch	M	Gaspur
MW-22	12/4/03	75	63–73	103.39	103.74	4-inch	M	Gaspur

TABLE 1 (continued)

Well Number	Date Installed	Total Depth (1)	Screen Interval (1)	TOC Elevation (2)	Ground Surface Elevation (2)	Diameter	Type (3)	Aquifer Zone
MW-23	12/5/03	81	69–79	104.15	104.38	4-inch	M	Gaspur
MW-24	12/1/03	87	70–85	101.99	102.34	4-inch	M	Gaspur
MW-25	12/3/03	92	75–90	101.79	102.12	4-inch	M	Gaspur
MW-26	12/10/03	134	122–132	101.94	102.20	2-inch	M	Exposition
MW-27	12/3/03	92	75–90	101.62	102.02	4-inch	M	Gaspur
MW-28	12/11/03	115	104–114	101.53	101.86	2-inch	M	Gaspur
MW-29	12/2/03	92	75–90	101.13	101.43	4-inch	M	Gaspur
MW-30	12/9/03	115	104–114	101.08	101.39	2-inch	M	Gaspur
MW-31	12/2/03	92	75–90	101.31	101.57	4-inch	M	Gaspur
MW-32	12/8/03	134	122–132	101.28	101.62	2-inch	M	Exposition

(1) feet below ground surface
(2) feet above mean sea level
(3) M-monitor; E-extraction
NA not available
TOC top of casing

TABLE 2

Contaminants of Concern and Cleanup Levels
Cooper Drum Company Site, South Gate, California

Medium	Contaminant of Concern	Cleanup Level	Basis for Clean up Level
Soil (VOCs)	1,1-Dichloroethane (1,1-DCA)	Leachate <MCL[a]	VLEACH modeling
	1,1-Dichloroethene (1,1-DCE)	Leachate <MCL	VLEACH modeling
	1,2-Dichloroethane (1,2-DCA)	Leachate <MCL	VLEACH modeling
	1,2-Dichloropropane (1,2-DCP)	Leachate <MCL	VLEACH modeling
	1,2,3-Trichloropropane (1,2,3-TCP)	Leachate <PQL	VLEACH modeling
	Benzene	Leachate <MCL	VLEACH modeling
	cis-1,2-Dichloroethene (cis-1,2-DCE)	Leachate <MCL	VLEACH modeling
	trans-1,2-Dichloroethene (trans-1,2-DCE)	Leachate <MCL	VLEACH modeling
	Tetrachloroethene (PCE)	Leachate <MCL	VLEACH modeling
	Trichloroethene (TCE)	Leachate <MCL	VLEACH modeling
	Vinyl chloride	Leachate <MCL	VLEACH modeling
Soil (nonVOCs)	Aroclor-1254	870 µg/kg	Human health hazard
	Aroclor-1260	870 µg/kg	Human health hazard
	B (a)P-TE [b] - Benzo(a)anthracene - Benzo(a)pyrene - Benzo(b)fluoranthene - Benzo(k)fluoranthene - Chrysene - Dibenz(a,h)anthracene - Indeno(1,2,3-cd)pyrene	900 µg/kg	Background
	Lead	400 mg/kg	Human health hazard
Groundwater (VOCs)	1,1-Dichloroethane (1,1-DCA)	5 µg/L	MCL
	1,1-Dichloroethene (1,1-DCE)	6 µg/L	MCL
	1,2-Dichloroethane (1,2-DCA)	0.5 µg/L	MCL
	1,2-Dichloropropane (1,2-DCP)	5 µg/L	MCL
	1,2,3-Trichloropropane (1,2,3-TCP)	1 µg/L	PQL [c]
	Benzene	1 µg/L	MCL
	cis-1,2-Dichloroethene (cis-1,2-DCE)	6 µg/L	MCL
	trans-1,2-Dichloroethene (trans-1,2-DCE)	10 µg/L	MCL
	Tetrachloroethene (PCE)	5 µg/L	MCL
	Trichloroethene (TCE)	5 µg/L	MCL
	Vinyl chloride	0.5 µg/L	MCL
Groundwater (non VOCs)	1,4-Dioxane	6.1 µg/L	PRG[d]

TABLE 2 (Continued)

µg/L	micrograms per liter
µg/kg	micrograms per kilogram
MCL	California primary maximum contaminant level
PQL	Practical quantification limit
AL	Action Level

[a] MCLs from Title 22 California Code of Regulation Section 64431 and 64444 unless otherwise specified.

[b] Based on upper tolerance limit (UTL) background Benzo(a)pyrene-toxicity equivalent (B(a)P-TE) concentration for southern California PAH data set.

[c] No MCL established for 1,2,3-trichloropropane. The PQL was identified as a remedial goal.

[d] No MCL established for 1,4-dioxane. The concentration for ingestion of drinking water only and does not account for potential dermal and inhalation exposure. EPA has established a screening criterial for preliminary remediation goals (PRG).

TABLE 3

Soil Gas Analytical Results – Former Hard Wash Area
May 2003 and January 2004
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample Date	Pre-Vacuum Reading (in/Hg)	Post-Vacuum Reading (in/Hg)	1,1,1-TCA	PCE	TCE	1,1-DCE	cis-1,2-DCE	Vinyl Chloride	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA
SG-18	10.0	5/7/03	-30	-6	<0.5	113	46	2 J	2 J	3.2 J	12 J	<0.2	1 J	2 J
	20.0		-30	-5	<0.5	62	26	1 J	1 J	<0.5	3 J	< 0.2	1 J	1 J
	30.0		-30	-15	<0.8	76	30	<0.7	1 J	<0.7	4 J	<0.3	3 J	<1.0
SG-19	10.0	5/8/03	-30	-7	55 J	1,100 D	389 D	<9	<12	<9	1,154 D	<4	<11	<14
	10.0		-30	-7	56 J	1,320 D	463 D	<9	<12	<9	1,473 D	<4	<11	<13
	20.0		-30	-7	<10	205 D	80	<9	<12	<9	120	<4	<11	<14
	30.0		-30	-7	2 J	91	33	<0.4	<0.6	<0.5	71	<0.2	3 J	<0.7
SG-20	10.0	5/13/03	-29	-7	31 J	4,840	777	<21	30 J	<23	187	<11	<28	<32
	20.0		-29	-7	<11	2,640 J	1,295 J	45 J	98 J	38 J	466	<5	15 J	43 J
	27.0		-29	-5	<93	22,002	18,504	1,027	1,35 J3	1319	6,873	<42	200 J	1,009
SG-39	10.0	1/15/04	-29	-7	<4.9	3.3J	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	1.8J	<4.9
	20.0		-30	-7	<4.6	17	3.2J	<4.6	<4.6	<4.6	<4.6	<4.6	2.7J	<4.6
	30.0		-30	-7	<4.6	39	86	7.5	16	2.2J	3.1J	<4.6	2.8J	<4.6
SG-40	10.0	1/15/04	-30	-7	<4.6	12	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	2.2J	<4.6
	20.0		-30	-7	<4.4	3.2J	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	2J	<4.4
	30.0		-30	-7	<4.6	57	14	1J	<4.6	<4.6	<4.6	<4.6	2.4J	<4.6
SG-41	10.0	1/15/04	-30	-7	<4.5	32	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	2.3J	<4.5
	20.0		-29	-7	<4.7	15	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	2.3J	<4.7
	30.0		-30	-7	<4.8	44	8.7	<4.8	<4.8	<4.8	<4.8	<4.8	2.4J	<4.8

TABLE 3 (Continued)

Index: Analytical results in parts per billion by volume
Diluted sample concentrations used in table

bgs	=	feet below ground surface
D	=	detection associated with sample dilution (TO-14)
in/Hg	=	inches of mercury
J	=	estimated value
DCA	=	dichloroethane
DCE	=	dichloroethene
DCPA	=	dichloropropane
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene

TABLE 4

Soil Gas Analytical Results – Drum Processing Area
May 2003 through March 2004
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample Date	Pre-Vacuum Reading (in/Hg)	Post-Vacuum Reading (in/Hg)	1,1,1-TCA	PCE	TCE	1,1-DCE	cis-1,2-DCE	Vinyl Chloride	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA
SG-21	10.0	5/9/03	-30	-5	<10	587	241	<8	<11	<9	1,080	<4	<11	<13
	20.0		-30	-5	<47	2,347	2,776	276 J	155 J	1,086	10,800	<21	370	<64
	30.0		-30	-5	<0.5	29	15	<0.4	<0.6	0.8 J	23	<0.2	2 J	<0.6
SG-22	10.0	5/9/03	-30	-5	47 J	1,056	105	<9	<12	<9	442	<4	<11	<13
	10.0		-30	-5	44 J	1,056	98	<8	<11	<9	466	<4	<11	<13
	20.0		-30	-5	<47	2,200	2,220	165 J	105 J	299 J	12,028	<21	74 J	<62
	30.0		-30	-5	<46	352	833	80 J	<55	144 J	5,646	<21	59 J	<62
SG-23	13.0	5/12/03	-30	-5	5,285 J	86,539 J	14,433 J	<276	<376	<295	27,001	<137 UJ	<339 UJ	<408 J
	20.0		-30	-5	<255 UJ	17,601 J	22,205 J	2,105	451 J	2,134	44,183	<110 UJ	648 J	<344 J
	30.0		-30	-5	<255 UJ	6,454 J	15,913 J	2,406	526 J	2,367	41,728	<110 UJ	648 J	<344 J
SG-24*	12.5	5/12/03	-30	-5	<5	953	278	8 J	<6	7.7 J	204	<2	19 J	<7
	25.0		-30	-5	<5	220	146	12 J	9 J	54	589	<2	133 J	<7
SG-25*	12.5	5/8/03	-30	-5	<237	12,468	15,173	551 J	526 J	931 J	54,001	<108	1,511 J	<322
SG-26	10.0	5/12/03	-30	-5	<5	939	407	12 J	10 J	18.6 J	1,350	<2	<46 J	<7
	10.0		-30	-5	<5	909	426	12 J	11 J	17.5 J	1,448	<2	<43 J	<7
	20.0		-30	-5	<26	748	1,036 J	73 J	63 J	306	3,191	<11	555	<34
SG-27	10.0	5/8/03	-30	-5	<5	1,349	133	<5	<6	<5	61	<2	20 J	<7
	23.0		-30	-5	<10	587	389	22 J	17 J	62 J	810	<4	287	<14

TABLE 4 (Continued)

Location	Depth (bgs)	Sample Date	Pre-Vacuum Reading (in/Hg)	Post-Vacuum Reading (in/Hg)	1,1,1-TCA	PCE	TCE	1,1-DCE	cis-1,2-DCE	Vinyl Chloride	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA
SG-28	10.0	5/8/03	-30	-6	<142	11,587	9,622	526 J	426 J	854 J	39,273	<64	1,388	<191
	20.0		-30	-7	<51	3,960	2,776	902	170 J	2,483	7,609	<23	1,511	<69
	30.0		-30	-6	<49	1,467	1,813	501	115 J	1,319	4,909	<22	864	<67
SG-29	10.0	5/8/03	-30	-6	<255	42,536	22,205	401 J	376 J	543 J	49,092	<115	987 J	<344
	20.0		-30	-5	<47	2,200	2,035	276 J	70 J	466	5,155	<21	370	<64
	30.0		-30	-15	<82	3,520	6,661	1,779	276 J	2,638	14,482	<37	1,234	<112
SG-30	10.0	1/14/04	-30	-7	1.3J	17	6.2	<4.5	<4.5	<4.5	9.6	<4.5	1.9J	<4.5
	20.0		-29.5	-7	6.3	87	78	5.3	3.7J	6.7	150	<4.5	6.1	<4.5
	30.0		-29.5	-7	12J	170	230	40	16J	53	510	<4.5	18J	<4.5
	30.0		-30	-7	<4.4	100	160	32	13J	43	340	<4.4	13J	<4.4
SG-31	10.0	1/14/04	-30	-7	1.7J	11	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	1.7J	<4.6
	20.0		-30	-7	1J	5.1	2.4J	<4.8	<4.8	<4.8	5.8	<4.8	2.7J	<4.8
	30.0		-30	-7	1J	4.1J	24	17	2.9J	14	24	<4.6	4.4J	<4.6
SG-32	10.0	1/14/04	-30	-7	4.4J	39	3.8J	<4.5	<4.5	<4.5	3.2J	<4.5	2.7J	<4.5
	20.0		-30	-7	1.2J	9.1	4.7	<4.4	<4.4	<4.4	9.6	<4.4	6.5	<4.4
	30.0		-30	-7	<4.5	1.8J	3.7J	2.7J	<4.5	2.1J	5.5	<4.5	3.5J	<4.5
SG-33	10.0	1/14/04	-30	-7	0.75J	13	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	2.2J	<4.6
	20.0		-30	-7	<4.7	1.7J	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	2.5J	<4.7
	30.0		-30	-7	<4.7	1J	6.3	2.2J	0.82J	0.84J	0.84J	<4.7	2.6J	<4.7
SG-34	10.0	1/14/04	-29.5	-6	1.5J	14	6.4	<4.2	<4.2	<4.2	2.7J	<4.2	4.1J	<4.2
	20.0		-29	-7	<4.3	1.7J	2.2J	<4.3	<4.3	<4.3	1.6J	<4.3	2.9J	<4.3
	20.0		-29	-7	<4.3	9	19	2.6J	5.2	4.4	27	<4.3	7	<4.3
	30.0		-29.5	-7	<4.3	27	260	160	34	200	280	<4.3	42	<4.3
SG-35	10.0	1/14/04	-30	-10	4.2J	36	3.2J	0.66J	<5.0	<5.0	0.95J	<5.0	5	<5.0
	20.0		-30	-7	<4.4	1.3J	1.6J	<4.4	<4.4	<4.4	0.66J	<4.4	3.2J	<4.4
	30.0		-30	-7	<4.5	1.6J	36	15	11	10	12	<4.5	4.3J	<4.5

TABLE 4 (Continued)

Location	Depth (bgs)	Sample Date	Pre-Vacuum Reading (in/Hg)	Post-Vacuum Reading (in/Hg)	1,1,1-TCA	PCE	TCE	1,1-DCE	cis-1,2-DCE	Vinyl Chloride	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA
SG-36	10.0	1/15/04	-30	-7	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	5.7	<4.3
	20.0		-30	-7	<5.0	0.88J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	10	<5.0
	30.0		-29	-10	<4.4	<4.4	4.2J	3.7J	<4.4	1.8J	2.6J	<4.4	6.8	<4.4
SG-37	10.0	1/14/04	-30	-7	15	260E	35	<4.6	<4.6	<4.6	58	<4.6	1.4J	<4.6
	20.0		-30	-7	0.92J	24	29	1.9J	2.9J	2.1J	64	<4.6	3.6J	<4.6
	30.0		-30	-7	0.74J	13	12	0.89J	1.1J	0.87J	32	0.61J	3.2J	<4.5
SG-38	10.0	1/15/04	-30	-7	1.9J	51	5.1	<4.4	<4.4	<4.4	22	<4.4	3.6J	<4.4
	10.0		-29	-7	1J	31	3J	<4.4	<4.4	<4.4	12	<4.4	2.8J	<4.4
	20.0		-30	-7	<4.4	29	12	0.68J	<4.4	<4.4	79	<4.4	4.3J	<4.4
	30.0		-30	-7	<4.4	1.2J	<4.4	<4.4	<4.4	<4.4	4.7	<4.4	4.6	<4.4
SG-42	10.0	2/26/04	-30	-7	<21	17J	<21	<21	<21	<21	40	<21	<21	<21
	20.0		-30	-7	<23	35	30	<23	<23	<23	400	<23	15J	<23
	30.0		-30	-7	<9.8	140	61	<9.8	7.8J	26	100	<9.8	30	30
SVE-2	10 min.#	3/3/04	-30	-7	1,400	230,000	90,000	580J	7,800	600J	160,000	<1,000	630	<1,000
	30 min.#		-30	-7	3,600	180,000	79,000	1,200	17,000	1,100	130,000	<1,000	1,200	<1,000
	100 min.#		-30	-7	2,700	150,000	52,000	<2,100	9,500	<2,100	93,000	<2,100	<2,100	<2,100
	230 min.#		-30	-7	3,200	170,000	50,000	<1,200	10,000	<1,200	77,000	<1,200	<1,200	<1,200

Index: Analytical results in parts per billion by volume
Diluted sample concentrations used in table

*	=	angle boring
#	=	minutes after start of SVE test
bgs	=	feet below ground surface
DCA	=	dichloroethane
DCE	=	dichloroethene
DCPA	=	dichloropropane
E	=	estimated value
in/Hg	=	inches of mercury
J	=	estimated value
PCE	=	tetrachloroethene
SVE	=	soil vapor extraction
TCA	=	trichloroethane
TCE	=	trichloroethene

TABLE 5

Maximum Leachate Concentrations from VLEACH Modeling Cooper Drum Company Site, South Gate, California

	TCE	PCE	VC	1,2-DCE	1,1-DCA
MCL =	**(5)**	**(5)**	**(0.5)**	**(6)**	**(5)**
Location	**Former Hard Wash Area**				
SG-18	0.11	0.34	0	0	0.04
SG-19	0.26	0.41	0	0	0.93
SG-20	**159.64**	**105.43**	**3.00**	**23.00**	**95.45**
Location	**Drum Processing Area**				
SG-21	0.16	0.18	0	0	0.33
SG-22	**8.13**	2.13	0.33	0	**76.07**
SG-23	**148.28**	**33.89**	**5.54**	**9.60**	**613.23**
SG-24	0.62	0.52	0.07	0.08	4.08
SG-25	**76.03**	**43.75**	**0.70**	4.67	**187.46**
SG-26	4.46	1.79	0.02	0.53	**22.14**
SG-27	1.68	1.41	0.07	0.15	**5.63**
SG-28	**15.63**	**7.02**	**3.00**	1.97	**68.19**
SG-29	**57.47**	**16.87**	**5.98**	4.71	**201.12**
SG-30	2.14	0.90	0.12	0.28	**7.51**
SG-34	2.26	0.13	0.46	0.57	3.91
SG-37	0.12	0.07	0	0.0001	0.49
SG-42	0.84	0.60	0.05	1.17	1.35

Analytical results in micrograms per liter or parts per billion.
Bold type indicates a concentration above the MCL.
Diluted concentrations used in table.
MCL = maximum contaminant level
DCA = dichloroethane
DCE = dichloroethene
PCE = tetrachloroethene
TCE = trichloroethene
VC = vinyl chloride

TABLE 6

SVE-2 Test Data
Cooper Drum Company Site, South Gate, California

Well Name	SVE-2	VP-3 10 ft bgs	VP-3 20 ft bgs	VP-3 30 ft bgs	VP-4 10 ft bgs	VP-4 20 ft bgs	VP-4 30 ft bgs	
Distance from SVE (feet)	–	50	50	50	50	50	50	
Screen Interval (feet bgs)	8–48	9.5–10	19.5–20	29.5–30	9.5–10	19.5–20	29.5–30	
Flow rate (cfm)	Vacuum (in H_2O)	Vacuum (in H_2O)	Vacuum (in H_2O)	Vacuum (in H_2O)	Vacuum (in H_2O)	Vacuum (in H_2O)	Vacuum (in H_2O)	Elapsed Time
24.5	40	0.3–0.6	0.65–0.7	0.7–1.15	0.17–0.2	0.45–0.85	0.67–1.1	40 min.
45.8	80	0.6–1.3	0.7–1.5	1.15–2.9	0.2–0.5	0.85–1.62	1.1–2.7	105 min.
72.5	132	1.3–2.2	1.5–4.1	2.9–4.9	0.5–0.63*	1.62–4.13*	2.7–4.79	235 min.

Note- Vacuums at all vapor probes gradually increased through the test, with the exception of the VP-4-10 ft which stabilized after 120 minutes.

Vapor samples collected from SVE-1 at 10, 30, 100, and 230 minutes (shutdown).

bgs below ground surface
cfm cubic feet per minute
ft feet
in H_2O inches of water
SVE Soil Vapor Extraction
VP vapor point
* changed gauge

TABLE 7

Soil Analytical Results – Former Hard Wash Area
SVOCs/Lead
May 2003
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	benzo-(a)pyrene	benzo-(b)fluoranthene	dibenzo-(a,h)anthracene	benzo-(a)anthracene	benzo-(k)fluoranthene	chrysene	indeno(1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-18	1.0	Y0WA3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4.0	Y0WA4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5.0	Y0WA5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10.0	Y0WA6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	1.0	Y0WA7	<340	<340	<340	<340	<340	<340	<340	NA	None	598
	5.0	Y0WA8	<400	<400	<400	<400	<400	<400	<400	NA	None	704
	10.0	Y0WA9	<400	<400	<400	<400	<400	<400	<400	NA	None	704
SB-20	1.0	Y0WB0	<14,000	<14,000	<14,000	<14,000	<14,000	<14,000	<14,000	NA	None	24,640
	5.0	Y0WB1	<410	<410	<410	<410	<410	<410	<410	NA	None	722
	10.0	Y0WB2	<380	<380	<380	<380	<380	<380	<380	NA	None	669

TABLE 7 (Continued)

Location	Depth (bgs)	Sample No.	benzo-(a)pyrene	benzo-(b)fluoranthene	dibenzo-(a,h)anthracene	benzo-(a)anthracene	benzo-(k)fluoranthene	chrysene	indeno(1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-21	1.5	Y0WB3/ MY0WB3	<380	<380	<380	<380	<380	<380	<380	2.5	None	669
	5.0	Y0WB4/ MY0WB4	<390	<390	<390	<390	<390	<390	<390	5.8	None	686
	10.0	Y0WB5/ MY0WB5	<380	<380	<380	<380	<380	<380	<380	2.8	benzaldehyde (58J), 2-methylphenol (150J), acetophenone (72J), 4-methylphenol (51J), 2,4-dimethylphenol (57J), naphthalene (78J), 2-methylnaphthalene (110J), 1,1'-biphenyl (250J), pyrene (42J)	669
	10.5	Y0WB6/ MY0WB6	<360	<360	<360	<360	<360	<360	<360	3.3	None	634

TABLE 7 (Continued)

Location	Depth (bgs)	Sample No.	benzo-(a)pyrene	benzo-(b)fluoranthene	dibenzo-(a,h)anthracene	benzo-(a)anthracene	benzo-(k)fluoranthene	chrysene	indeno(1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-22	1.0	Y0WB7/ MY0WB7	NA	NA	NA	NA	NA	NA	NA	3.5	NA	NA
	5.0	Y0WB8/ MY0WB8	NA	NA	NA	NA	NA	NA	NA	2.7	NA	NA
	10.0	Y0WB9/ MY0WB9	NA	NA	NA	NA	NA	NA	NA	3.1	NA	NA
SB-23	1.0	Y0WC0/ MY0WC0	NA	NA	NA	NA	NA	NA	NA	2.4	NA	NA
	5.0	Y0WC1/ MY0WC1	NA	NA	NA	NA	NA	NA	NA	2.9	NA	NA
	10.0	Y0WC2/ MY0WC2	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA
SB-32	10.0	Y0WA1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15.0	Y0WA2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Index: Analytical results in micrograms per kilogram (µg/kg) or parts per billion except for lead (milligrams per kilogram [mg/kg] or parts per million).

bgs = feet below ground surface
NA = not analyzed
PAH = polycyclic aromatic hydrocarbon
SVOC = semivolatile organic compound
* PAH cleanup level for soil is based on the upper tolerance limit background benzo(a)pyrene-toxicity equivalent of 900 µg/kg.
note: elevated detection limits
Calculated using elevated detection limits.

TABLE 8

Soil Analytical Results – Former Hard Wash Area
SVOCs/1,4-Dioxane
March 2006
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	benzo-(a)pyrene	benzo-(b)fluoranthene	dibenzo-(a,h)anthracene	benzo-(a)anthracene	benzo-(k)fluoranthene	chrysene	indeno(1,2,3-cd)-pyrene	1,4-Dioxane	Other SVOCs detected (µg/kg)
SB-34	10.0	SB-34 10'	<36	<36	<36	<36	<36	<36	<36	390	6 compounds, 2 unknowns
	20.0	SB-34 20'	<43	<43	<43	<43	<43	<43	<43	1200	13 compounds
	30.0	SB-34 30'	<42	<42	<42	<42	<42	<42	<42	960	2 compounds, 1 unknown
SB-35	10.0	SB-35 10'	<210	<210	<210	<210	<210	<210	<210	<210	17 compounds, 6 unknown alkanes
	20.0	SB-35 20'	<38	<38	<38	<38	<38	<38	<38	810	12 compounds, 6 unknowns
	30.0	SB-35 30'	<42	<42	<42	<42	<42	<42	<42	2200	11compounds, 4 unkowns
SB-36	10.0	SB-36 10'	<36	<36	<36	<36	<36	<36	<36	140	15 compounds, 2 unknowns
	20.0	SB-36 20'	<40	<40	<40	<40	<40	<40	<40	720	9 compounds, 7 unknowns
	30.0	SB-36 30'	<41	<41	<41	<41	<41	<41	<41	1400	11 compounds, 5 unknowns

Index: Analytical results in micrograms per kilogram (µg/kg) or parts per billion.

SVOC = semivolatile organic compound

bgs = feet below ground surface

Preliminary Remediation Goals (PRGs) for 1,4, Dioxane 44,000 µg/kg (residential)

All other SVOCs detected were less than PRGs (residential). Results for these SVOCs are available at the Records Center at EPA Region 9 in San Francisco

TABLE 9

Soil Analytical Results – Former Hard Wash Area
PCBs/Pesticides
May 2003
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	Aroclor-1254	Aroclor-1260	Other PCBs/Pesticides detected (µg/kg)
SB-18	1.0	Y0WA3	<350	<350	4,4'-DDT (80)
	4.0	Y0WA4	<38	<38	None
	5.0	Y0WA5	<40	<40	None
	10.0	Y0WA6	<40	<40	None
SB-19	1.0	Y0WA7	<33	<33	None
	5.0	Y0WA8	<41	<41	None
	10.0	Y0WA9	<40	<40	None
SB-20	1.0	Y0WB0	2500D	890D	aldrin (73D), gamma-Chlordane (51NJ D)
	5.0	Y0WB1	<41	<41	None
	10.0	Y0WB2	<38	<38	None
SB-21	1.5	Y0WB3	<38	<38	None
	5.0	Y0WB4	<39	<39	None
	10.0	Y0WB5	31J	31J	None
	10.5	Y0WB6	<36	<36	None
SB-22	1.0	Y0WB7	<38	<38	None
	5.0	Y0WB8	<40	<40	None
	10.0	Y0WB9	<36	<36	None
SB-23	1.0	Y0WC0	46	<37	None
	5.0	Y0WC1	<38	<38	None
	10.0	Y0WC2	<42	<42	None
SB-32	10.0	Y0WA1	82	<40	None
	15.0	Y0WA2	<36	<36	None

Index: Analytical results in micrograms per kilogram (µg/kg) or parts per billion.
bgs = feet below ground surface
D = detection associated with sample dilution (ILM5)
J = value less than contract-required quantitation limit (CRQL), but greater than or equal to MDL (ILM5)
NJ = nalyte is considered presumptively identified at an estimated concentration

TABLE 10

Soil Analytical Results – Drum Processing Area
SVOCs/Lead
May 2003
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-24	0.5	Y0WC3	450	530	120J	250J	440	390	340J	NA	Benzaldehyde (62J), acetophenone (150J), phenanthrene (86J), fluoranthene (260J), pyrene (310J), benzo(g,h,i)perylene (250J)	652
	5.0	Y0WC4	<370	<370	<370	<370	<370	<370	<370	NA	None	651
	10.0	Y0WC5	<350	<350	<350	<350	<350	<350	<350	NA	None	616
SB-25	0.5	Y0WC6	<330	<330	<330	<330	<330	<330	<330	NA	None	581
	1.0	Y0WC7	560	440	200J	420	570	670	420	NA	Phenanthrene (250J), anthracene (47J), fluoranthene (510), pyrene (530), benzo(g,h,i)perylene (310J)	822
	5.0	Y0WC8	880	660J	310J	560J	780	920	470J	NA	Phenanthrene (180J), fluoranthene (420J), pyrene (460J)	1,255
	10.0	Y0WC9	<380	<380	<380	<380	<380	<380	<380	NA	None	669

TABLE 10 (Continued)

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-26	0.5	Y0WD0	1,300	1,000	280J	920	1,200	1400	700	NA	Benzaldehyde (56J), acetophenone (140J), naphthalene (45J), acenaphthene (51J), fluorene (36J), phenanthrene (510), anthracene (150J), carbazole (46J), fluoranthene (1100), pyrene (1600), benzo(g,h,i)perylene (570)	1,794
	5.0	Y0WD1	<370	<370	<370	<370	<370	60J	<370	NA	Acetophenone (76J), phenanthrene (92J), fluoranthene (120J), pyrene (130J)	648
	10.0	Y0WD2	<380	<380	<380	<380	<380	<380	<380	NA	Benzaldehyde (67J), acetophenone (270J)	669
SB-27	0.5	MY0WD3	NA	NA	NA	NA	NA	NA	NA	19.6	NA	NA
	5.0	MY0WD4	NA	NA	NA	NA	NA	NA	NA	2,090	NA	NA
	10.0	MY0WD5	NA	NA	NA	NA	NA	NA	NA	536	NA	NA
	15.0	MY0WD6	NA	NA	NA	NA	NA	NA	NA	168	NA	NA
	15.5	MY0WD7	NA	NA	NA	NA	NA	NA	NA	368	NA	NA

TABLE 10 (Continued)

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-28	0.5	Y0WD8/ MY0WD8	<360	<360	<360	<360	<360	<360	<360	3.2	None	634
	5.0	Y0WD9/ MY0WD9	<380	<380	<380	<380	<380	<380	<380	2.3	None	669
	12.0	Y0WE0/ MY0WE0	<1100	<1100	<1100	<1100	<1100	<1100	<1100	105	Phenol (1300), 2-methylphenol (660J), acetophenone (440J), 4-methylphenol (760J)	1,936[1]
	15.0	Y0WE1/ MY0WE1	<380	<380	<380	<380	<380	<380	<380	15.4	Phenol (830), 2-methylphenol (320J), acetophenone (84J), 4-methylphenol (520), isophorone (78J), 2,4-dimethylphenol (47J), phenanthrene (50J), fluoranthene (52J), pyrene (50J)	669
SB-29	0.5	Y0WE2/ MY0WE2	<350	<350	<350	<350	<350	<350	<350	2.2	None	616
	5.0	Y0WE3/ MY0WE3	<380	<380	<380	<380	<380	<380	<380	2.2	None	669
	10.0	Y0WE4/ MY0WE4	<390	<390	<390	<390	<390	<390	<390	20.1	Benzaldehyde (100J), phenol (1400), 2-methylphenol (540), acetophenone (50J), 4-methylphenol (520)	686
	17.0	Y0WE5/ MY0WE5	<1000	<1000	<1000	<1000	<1000	<1000	<1000	215	phenol (610J), 2-methylphenol (290J), 4-methylphenol (260J)	1,760[1]

TABLE 10 (Continued)

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-30	1.0	Y0WE6/ MY0WE6	760	650J	280J	540J	720	820	390J	233	Phenol (170J), acetophenone (110J), 4-methylphenol (760), naphthalene (130J), 2-methylnaphthalene (310J), phenanthrene (370J), anthracene (89J), fluoranthene (720), pyrene (910)	1,096
	4.0	Y0WE7/ MY0WE7	630J	530J	<3500	550J	600J	850J	<3500	38.9	Phenanthrene (570J), fluoranthene (830J), pyrene (950J)	2,382
SB-30	8.0	Y0WE8/ MY0WE8	510	380	140J	370J	580	630	360J	34.4	Benzaldehyde (250J), phenol (1100), 2-methylphenol (480), acetophenone (370J), 4-methylphenol (620), isophorone (45J), 2,4-dimethylphenol (53J), naphthalene (49J), 2-methylnaphthalene (55J), phenanthrene (200J), anthracene (41J), fluoranthene (480), pyrene (680), benzo(g,h,i)perylene (360J)	734
	10.0	Y0WE9/ MY0WE9	<340	<340	<340	<340	<340	<340	<340	8.1	Benzaldehyde (51J), phenol (450), 2-methylphenol (240J), 4-methylphenol (210J)	598

TABLE 10 (Continued)

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-30	15.0	Y0WF0/ MY0WF0	<390	<390	<390	<390	<390	<390	<390	6.7	Benzaldehyde (71J), phenol (1500), 2-methylphenol (850), acetophenone (56J), 4-methylphenol (720), isophorone (40J), 2,4-dimethylphenol (76J), pentachorophenol (290J)	686
SB-31	0.5	Y0WF1/ MY0WF1	1100	1200	300J	700	1200	1200	810	319	Phenanthrene (220J), anthracene (42J), fluoranthene (770), pyrene (980), benzo(g,h,i)perylene (680)	1,608
	5.0	Y0WF2/ MY0WF2	2200J	1400J	<3800	2900J	2300J	2300J	670J	4.3	Phenol (5600), 4-methylphenol (400J), naphthalene (450J), 2-methylnaphthalene (560J), acenaphthene (1700J), dibenzofuran (1000J), fluorene (1800J), phenanthrene (9800), anthracene (2600J), fluoranthene (7800), pyrene (9400), benzo(g,h,i)perylene (530J)	2,950
	10.0	Y0WF3/ MY0WF3	<860	<860	<860	<860	<860	<860	<860	4.3	Phenol (1800), 2-methylphenol (1000), 4-methylphenol (980), isophorone (120J), 2,4-dimethylphenol (210J), phenanthrene (150J)	1,514[1]

TABLE 10 (Continued)

Location	Depth (bgs)	Sample No.	benzo (a) pyrene	benzo (b) fluoranthene	dibenzo (a,h) anthracene	benzo (a) anthracene	benzo (k) fluoranthene	chrysene	indeno (1,2,3-cd)-pyrene	Lead (mg/kg)	Other SVOCs Detected (µg/kg)	Calculated PAH Cleanup Level (µg/kg)
SB-31	15.0	Y0WF4/ MY0WF4	460	280J	52J	460	440	620	210J	15.3	phenol (680), 2-methylphenol (220J), acetophenone (39J), 4-methylphenol (290J), 2,4-dimethylphenol (70J), acenaphthene (100J), dibenzofuran (76J), fluorene (150J), phenanthrene (900), anthracene (290J), carbazole (57J), fluoranthene (880), pyrene (1000), benzo(g,h,i)perylene (150J)	623

Index: Analytical results in micrograms per kilogram (ug/kg) or parts per billion except for lead (milligrams per kilogram [mg/kg] or parts per million).

bgs = feet below ground surface

J = value less than CRQL, but greater than or equal to MDL (ILM5)

NA = not analyzed

PAH = polycyclic aromatic hydrocarbon

SVOC = semivolatile organic compound

* PAH cleanup level for soil is based on the upper tolerance limit background benzo(a)pyrene-toxicity equivalent of 900 ug/kg.

[1]Calculated using elevated detection limits.

TABLE 11

Soil Analytical Results – Drum Processing Area
VOCs
May 2003
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
SB-24	0.5	Y0WC3	7J	<26	<26	<26	<26	<26	<26	<26	<26	<26	Cyclohexane (3)
	5.0	Y0WC4	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	None
	10.0	Y0WC5	2J	<10	<10	<10	<10	<10	<10	<10	<10	<10	None
SB-25	0.5	Y0WC6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1.0*	Y0WC7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5.0	Y0WC8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10.0	Y0WC9	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	None
SB-26	0.5	Y0WD0	6J	<13	<13	<13	<13	<13	<13	<13	<13	<13	None
	5.0	Y0WD1	1J	<13	<13	<13	<13	<13	<13	<13	<13	<13	None
	10.0	Y0WD2	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	None
SB-28	0.5	Y0WD8	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	None
	5.0	Y0WD9	<10	<10	<10	<10	<10	<10	1J	<10	<10	<10	None
	12.0	Y0WE0	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2,000	None
	15.0	Y0WE1	130J	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	Toluene (130)
SB-29	0.5	Y0WE2	4J	<12	<12	<12	<12	<12	<12	<12	<12	<12	Acetone (16B)
	5.0	Y0WE3	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	Methylene chloride (25B)
	10.0	Y0WE4	160J	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	Ethylbenzene (58)
	17.0	Y0WE5	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	None

TABLE 11 (Continued)

Location	Depth (bgs)	Sample No.	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
SB-30	1.0	Y0WE6	<14	<14	7J	<14	<14	<14	2J	<14	<14	<14	Carbon disulfide (2J), 2-butanone (12J), 1,2-dichlorobenzene (2J)
	4.0	Y0WE7	150	51	24	<13	2J	<13	34	<13	<13	<13	Methylcyclohexane (2J), toluene (4J), xylenes (3J), 1,2-dichlorobenzene (3J)
	8.0	Y0WE8	470J	<2,200	<2,200	<2,200	<2,200	<2,200	<2,200	<2,200	<2,200	<2,200	Acetone (3800)
	10.0	Y0WE9	530J	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	Acetone (3700), toluene (140J), xylenes (230J)
	15.0	Y0WF0	200J	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	Acetone (2500), toluene (110J), xylenes (120J)
SB-31	0.5	Y0WF1	2J	14	23	<14	<14	<14	18	<14	<14	<14	Chloromethane (4J), acetone (160), 2-butanone (29), cyclohexane (4J), methylcyclohexane (3J), toluene (6J), ethylbenzene (2J), xylenes (10J)
	5.0	Y0WF2	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	Acetone (1100J), xylenes (380J)
	10.0	Y0WF3	<1,400	<1,400	<1,400	<1,400	<1,400	<1,400	<1,400	<1,400	<1,400	<1,400	Acetone (1200J)
	15.0	Y0WF4	480J	690J	<2,000	<2,000	<2,000	<2,000	480J	<2,000	<2,000	<2,000	Acetone (1800J), methylcyclohexane (390J), toluene (1600J), ethylbenzene (380J), xylenes (1700J)

TABLE 11 (Continued)

Index: Analytical results in micrograms per kilogram (ug/kg) or parts per billion.

B	=	analyte found in associated method blank as well as in sample
bgs	=	feet below ground surface
DCA	=	dichloroethane
DCE	=	dichloroethene
DCPA	=	dichloropropane
J	=	estimated value
NA	=	not analyzed (soil too tight for En Core samplers to penetrate)
PCE	=	tetrachloroethene
TCE	=	trichloroethene
VC	=	vinyl chloride
VOC	=	volatile organic compound

TABLE 12

Groundwater Surface Elevation 1998 - 2005
Cooper Drum Company Site, South Gate, California

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
On-site Wells					
MW-1	11/4/98	40.20	102.83	62.63	Gaspur
	4/7/99	40.52		62.31	
	8/5/99	40.64		62.19	
	10/10/00	42.81		60.02	
	12/14/00	42.97		59.86	
	2/8/01	42.47		60.36	
	5/1/03	44.74		58.09	
	12/18/03	45.58		57.25	
	4/16/04	NM			
	8/27/04	NM			
	12/22/04	46.65		56.18	
	4/20/05	46.04		56.79	
	6/6/06	44.12		58.71	
MW-2	11/4/98	43.82	104.59	60.77	Gaspur
	4/7/99	44.35		60.24	
	8/5/99	44.52		60.07	
	10/10/00	46.95		57.64	
	12/14/00	46.95		57.64	
	2/8/01	46.43		58.16	
	5/1/03	49.05		55.54	
	12/18/03	49.60		54.99	
	4/16/04	50.02		54.57	
	8/27/04	50.64		53.95	
	12/22/04	51.14		53.45	
	4/20/05	50.54		54.05	
	6/6/06	48.79		55.80	
MW-3	11/4/98	41.30	103.98	62.68	Gaspur
	4/7/99	41.58		62.40	
	8/5/99	NM		NM	
	10/10/00	43.82		60.16	
	12/14/00	44.00		59.98	
	2/8/01	43.45		60.53	
	5/1/03	45.97		55.11	
	12/18/03	46.66		57.32	
	4/16/04	46.91		57.07	
	8/27/04	47.41		56.57	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
On-site Wells					
MW-3 (cont'd)	12/22/04	48.36		55.62	
	4/20/05	47.39		56.59	
	6/6/06	45.93		58.05	
MW-4	11/4/98	42.06	102.91	60.85	Gaspur
	4/7/99	42.60		60.31	
	8/5/99	42.88		60.03	
	10/10/00	45.40		57.51	
	12/14/00	45.32		57.59	
	2/8/01	44.70		58.21	
	5/1/03	47.38		55.53	
	12/18/03	48.17		54.74	
	4/16/04	48.45		54.46	
	8/27/04	48.97		53.94	
	12/22/04	49.44		53.47	
	4/20/05	48.88		54.03	
	6/6/06	NM			
MW-5	11/4/98	36.88	103.42	66.54	Perched/Gaspur
	4/6/99	35.52		67.90	
	8/5/99	34.41		69.01	
	10/10/00	34.55		68.87	
	12/14/00	34.75		68.67	
	2/8/01	34.63		68.79	
	5/1/03	35.67		67.75	
	12/18/03	36.01		67.41	
	4/16/04	36.31		67.11	
	8/27/04	36.52		66.90	
	12/22/04	36.80		66.62	
	4/20/05	36.70		66.72	
	6/6/06	35.44		67.98	
MW-21	12/18/03	48.85	103.63	54.78	Gaspur
	4/16/04	49.19		54.44	
	8/27/04	49.75		53.88	
	12/22/04	50.32		53.31	
	4/20/05	49.67		53.96	
	6/6/06	47.64		55.99	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
On-site Wells					
EW-1	4/7/99	42.84	103.24	60.40	Gaspur
	8/5/99	43.15		60.09	
	10/10/00	45.60		57.64	
	12/14/00	45.65		57.59	
	2/8/01	45.09		58.15	
	5/1/03	47.76		55.48	
	12/18/03	48.45		54.79	
	4/16/04	48.78		54.46	
	8/27/04	49.36		53.88	
	12/22/04	49.91		53.33	
	4/20/05	49.32		53.92	
	6/6/06	47.42		55.82	
EW-2	12/14/00	45.88	103.65	57.77	Gaspur
	2/8/01	45.45		58.20	
	5/1/03	47.98		55.67	
	12/18/03	48.71		54.94	
	4/16/04	49.08		54.57	
	8/27/04	49.65		54.00	
	12/22/04	50.20		53.45	
	4/20/05	49.57		54.08	
	6/6/06	47.54		56.11	
SVE-1	12/14/00	35.27	104.50	69.23	Perched
	2/8/01	35.17		69.33	
	5/1/03	NM			
	12/18/03	36.48		68.02	
	12/22/04	37.10		67.40	
	4/20/05	36.87		67.63	
	6/6/06	36.01		68.49	
Off-site Wells					
MW-8	11/15/98	42.02	103.21	61.19	Gaspur
	10/10/00	45.23		57.98	
	12/14/00	45.30		57.91	
	2/8/01	44.67		58.54	
	5/1/03	47.52		55.69	
	12/18/03	48.25		54.96	
	4/16/04	48.62		54.59	
	8/27/04	45.59		57.62	
	12/22/04	49.80		53.41	
	4/20/05	49.18		54.03	
	6/6/06	47.15		56.06	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
Off-site Wells					
MW-10	11/5/98	42.98	103.83	60.85	Gaspur
	4/7/99	43.60		60.23	
	10/10/00	46.32		57.51	
	12/14/00	46.37		57.46	
	2/8/01	45.80		58.03	
	5/1/03	48.43		55.40	
	12/18/03	49.23		54.60	
	4/16/04	49.51		54.32	
	8/27/04	50.11		53.72	
	12/22/04	50.66		53.17	
	4/20/05	50.08		53.75	
	6/6/06	48.19		55.64	
MW-12	11/5/98	43.10	104.25	61.15	Gaspur
	10/10/00	46.30		57.95	
	12/14/00	NM			
	2/8/01	NM			
	5/1/03	48.58		55.67	
	12/18/03	NM			
	4/16/04	49.67		54.58	
	8/27/04	50.25		54.00	
	12/22/04	50.81		53.44	
	4/20/05	50.22		54.03	
	6/6/06	48.35		55.90	
MW-14	11/5/98	33.90	102.22	68.32	Perched/Gaspur
	10/11/00	34.70		67.52	
	12/14/00	NM			
	2/8/01	NM			
	5/1/03	NM			
	4/16/04	40.78		61.44	
	8/27/04	43.17		59.05	
	12/18/03	42.17		60.05	
	12/22/04	43.49		58.73	
	4/20/05	34.74		67.48	
	6/6/06	34.48		67.74	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
Off-site Wells					
MW-15	12/14/00	45.60	102.77	57.17	Gaspur
	2/8/01	45.03		57.74	
	5/1/03	47.66		55.11	
	12/18/03	48.41		54.36	
	4/16/04	48.69		54.08	
	8/27/04	49.24		53.53	
	12/22/04	49.79		52.98	
	4/20/05	49.11		53.66	
	6/6/06	47.34		55.43	
MW-16	12/14/00	48.49	102.75	54.26	Exposition
	2/8/01	47.90		54.85	
	5/1/03	50.95		51.80	
	12/18/03	51.76		50.99	
	4/16/04	52.13		50.62	
	8/27/04	52.80		49.95	
	12/22/04	53.33		49.42	
	4/20/05	52.84		49.91	
	6/6/06	50.81		51.94	
MW-17	12/14/00	45.74	103.36	57.62	Gaspur
	2/8/01	45.19		58.17	
	5/1/03	47.89		55.47	
	12/18/03	48.61		54.75	
	4/16/04	48.85		54.51	
	8/27/04	49.46		53.90	
	12/22/04	50.02		53.34	
	4/20/05	49.40		53.96	
	6/6/06	47.61		55.75	
MW-18	12/14/00	50.36	103.42	53.06	Exposition
	2/8/01	49.79		53.63	
	5/1/03	52.97		50.45	
	12/18/03	53.83		49.59	
	4/16/04	54.24		49.18	
	8/27/04	55.00		48.42	
	12/22/04	55.56		47.86	
	4/20/05	55.23		48.19	
	6/6/06	NM			

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
Off-site Wells					
MW-19	12/14/00	45.91	104.05	58.14	Gaspur
	2/8/01	45.39		58.66	
	5/1/03	48.10		55.95	
	12/18/03	48.86		55.19	
	4/16/04	49.10		54.95	
	8/27/04	49.70		54.35	
	12/22/04	50.25		53.80	
	4/20/05	49.73		54.32	
	6/6/06	48.03		56.02	
MW-20	5/1/03	47.47	102.84	55.37	Gaspur
	12/18/03	48.20		54.64	
	4/16/04	48.51		54.33	
	8/27/04	49.09		53.75	
	12/22/04	49.64		53.20	
	4/20/05	48.96		53.88	
	6/6/06	46.95		55.89	
MW-22	12/18/03	48.85	103.39	54.54	Gaspur
	4/16/04	49.17		54.22	
	8/27/04	49.73		53.66	
	12/22/04	50.20		53.19	
	4/20/05	49.63		53.76	
	6/6/06	47.85		55.54	
MW-23	12/18/03	49.04	104.15	55.11	Gaspur
	4/16/04	49.34		54.81	
	8/27/04	49.89		54.26	
	12/22/04	50.41		53.74	
	4/20/05	49.88		54.27	
	6/6/06	48.17		55.98	
MW-24	12/18/03	47.88	101.99	54.11	Gaspur
	4/16/04	48.21		53.78	
	8/27/04	48.76		53.23	
	12/22/04	49.23		52.76	
	4/20/05	48.60		53.39	
	6/6/06	46.82		55.17	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
Off-site Wells					
MW-25	12/18/03	47.80	101.79	53.99	Gaspur
	4/16/04	48.12		53.67	
	8/27/04	48.67		53.12	
	12/22/04	49.24		52.55	
	4/20/05	48.50		53.29	
	6/6/06	46.74		55.05	
MW-26	12/18/03	52.24	101.94	49.70	Exposition
	4/16/04	52.76		49.18	
	8/27/04	53.47		48.47	
	12/22/04	54.00		47.94	
	4/20/05	53.54		48.40	
	6/6/06	51.35		50.59	
MW-27	12/18/03	47.86	101.62	53.76	Gaspur
	4/16/04	48.16		53.46	
	8/27/04	48.66		52.96	
	12/22/04	49.16		52.46	
	4/20/05	48.57		53.05	
	6/6/06	46.77		54.85	
MW-28	12/18/03	48.25	101.53	53.28	Gaspur
	4/16/04	48.59		52.94	
	8/27/04	49.09		52.44	
	12/22/04	49.57		51.96	
	4/20/05	48.94		52.59	
	6/6/06	46.90		54.63	
MW-29	12/18/03	47.42	101.13	53.71	Gaspur
	4/16/04	47.71		53.42	
	8/27/04	48.22		52.91	
	12/22/04	48.74		52.39	
	4/20/05	48.12		53.01	
	6/6/06	46.33		54.80	
MW-30	12/18/03	47.94	101.08	53.14	Gaspur
	4/16/04	47.33		53.75	
	8/27/04	48.84		52.24	
	12/22/04	49.35		51.73	
	4/20/05	48.70		52.38	
	6/6/06	46.90		54.18	

TABLE 12 (Continued)

Well Number	Date Measured	Depth to Groundwater (1)	TOC Elevation (2)	Groundwater Surface Elevation (2)	Aquifer Zone
Off-site Wells					
MW-31	12/18/03	47.43	101.31	53.88	Gaspur
	4/16/04	47.73		53.58	
	8/27/04	48.27		53.04	
	12/22/04	48.66		52.65	
	4/20/05	48.20		53.11	
	6/6/06	46.48		54.83	
MW-32	12/18/03	51.74	101.28	49.54	Exposition
	4/16/04	52.26		49.02	
	8/27/04	52.97		48.31	
	12/22/04	53.50		47.78	
	4/20/05	53.07		48.21	
	6/6/06	50.87		50.41	

Notes:

(1) feet below top of well casing (TOC)
(2) feet above mean sea level (msl)
NM = not measured

TABLE 13

Comparison of Water Level Elevations in the Gaspur and Exposition Aquifers Cooper Drum Company Site, South Gate, California

Date	Well	Aquifer	Well Screen (1)	Groundwater Surface Elevation (2)	Difference (3)
12/14/00	MW15	Gaspur	70 – 85	57.17	2.91
	MW16	Exposition	118 – 128	54.26	
	MW17	Gaspur	69 – 79	57.62	4.56
	MW18	Exposition	118 – 128	53.06	
2/8/01	MW15	Gaspur	70 – 85	57.74	2.89
	MW16	Exposition	118 – 128	54.85	
	MW17	Gaspur	69 – 79	58.17	4.54
	MW18	Exposition	118 – 128	53.63	
5/1/03	MW15	Gaspur	70 – 85	55.11	3.31
	MW16	Exposition	118 – 128	51.80	
	MW17	Gaspur	69 – 79	55.47	5.02
	MW18	Exposition	118 – 128	50.45	
12/18/03	MW15	Gaspur	70 – 85	54.36	3.37
	MW16	Exposition	118 – 128	50.99	
	MW17	Gaspur	69 – 79	54.75	5.16
	MW18	Exposition	118 – 128	49.59	
	MW-25	Gaspur	75 – 90	53.99	4.29
	MW-26	Exposition	122 – 132	49.70	
	MW-27	Gaspur	75 – 90	53.76	0.48
	MW-28	Lower Gaspur	104 – 114	53.28	
	MW-29	Gaspur	75 – 90	53.71	0.57
	MW-30	Lower Gaspur	104 – 114	53.14	
	MW-31	Gaspur	75 – 90	53.88	4.34
	MW-32	Exposition	122 – 132	49.54	
4/16/04	MW15	Gaspur	70 – 85	54.08	3.46
	MW16	Exposition	118 – 128	50.62	
	MW17	Gaspur	69 – 79	54.51	5.33
	MW18	Exposition	118 – 128	49.18	
	MW-25	Gaspur	75 – 90	53.67	4.49
	MW-26	Exposition	122 – 132	49.18	
	MW-27	Gaspur	75 – 90	53.46	0.52
	MW-28	Lower Gaspur	104 – 114	52.94	
	MW-29	Gaspur	75 – 90	53.42	-0.33
	MW-30	Lower Gaspur	104 – 114	53.75	
	MW-31	Gaspur	75 – 90	53.58	4.56
	MW-32	Exposition	122 – 132	49.02	

TABLE 13 (Continued)

Date	Well	Aquifer	Well Screen (1)	Groundwater Surface Elevation (2)	Difference (3)
8/27/04	MW15	Gaspur	70 – 85	53.53	3.58
	MW16	Exposition	118 – 128	49.95	
	MW17	Gaspur	69 – 79	53.90	5.48
	MW18	Exposition	118 – 128	48.42	
	MW-25	Gaspur	75 – 90	53.12	4.65
	MW-26	Exposition	122 – 132	48.47	
	MW-27	Gaspur	75 – 90	52.96	0.52
	MW-28	Lower Gaspur	104 – 114	52.44	
	MW-29	Gaspur	75 – 90	52.91	0.67
	MW-30	Lower Gaspur	104 – 114	52.24	
	MW-31	Gaspur	75 – 90	53.04	4.73
	MW-32	Exposition	122 – 132	48.31	
12/22/04	MW15	Gaspur	70 – 85	52.98	3.56
	MW16	Exposition	118 – 128	49.42	
	MW17	Gaspur	69 – 79	53.34	5.48
	MW18	Exposition	118 – 128	47.86	
	MW-25	Gaspur	75 – 90	52.55	4.61
	MW-26	Exposition	122 – 132	47.94	
	MW-27	Gaspur	75 – 90	52.46	0.50
	MW-28	Lower Gaspur	104 – 114	51.96	
	MW-29	Gaspur	75 – 90	52.39	0.66
	MW-30	Lower Gaspur	104 – 114	51.73	
	MW-31	Gaspur	75 – 90	52.65	4.87
	MW-32	Exposition	122 – 132	47.78	
4/20/05	MW15	Gaspur	70 – 85	53.66	3.75
	MW16	Exposition	118 – 128	49.91	
	MW17	Gaspur	69 – 79	53.96	5.77
	MW18	Exposition	118 – 128	48.19	
	MW-25	Gaspur	75 – 90	53.29	4.89
	MW-26	Exposition	122 – 132	48.40	
	MW-27	Gaspur	75 – 90	53.05	0.46
	MW-28	Lower Gaspur	104 – 114	52.59	
	MW-29	Gaspur	75 – 90	53.01	0.63
	MW-30	Lower Gaspur	104 – 114	52.38	
	MW-31	Gaspur	75 – 90	53.11	4.90
	MW-32	Exposition	122 – 132	48.21	

TABLE 13 (Continued)

Date	Well	Aquifer	Well Screen (1)	Groundwater Surface Elevation (2)	Difference (3)
6/6/06	MW15	Gaspur	70 – 85	55.43	3.49
	MW16	Exposition	118 – 128	51.94	
	MW-25	Gaspur	75 – 90	55.5	4.46
	MW-26	Exposition	122 – 132	50.59	
	MW-27	Gaspur	75 – 90	54.85	0.22
	MW-28	Lower Gaspur	104 – 114	54.63	
	MW-29	Gaspur	75 – 90	54.80	0.62
	MW-30	Lower Gaspur	104 – 114	54.18	
	MW-31	Gaspur	75 – 90	54.83	4.42
	MW-32	Exposition	122 – 132	50.41	

(1) feet below ground surface
(2) feet above mean sea level
(3) positive value indicates downward vertical gradient between aquifer zones

TABLE 14

CPT/HydroPunch VOC Results
May 2003
Cooper Drum Company Site, South Gate, California

Location	Depth (bgs)	Sample No.	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs Detected
CPT-25	72	Y0W29	<0.5	<0.5	2J	1.0	<0.5	<0.5	2.0	0.7	<0.5	<0.5	None
	99	Y0W30	<0.5	<0.5	0.4J	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	None
	114	Y0W31	<0.5	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-26	72	Y0W34	<0.5	84D	17	0.6	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	Cyclohexane (1.0), methylcyclohexane (0.7)
	72D	Y0W35	<0.5	99D	17D	0.6	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	Cyclohexane (1.0), methylcyclohexane (0.7)
	88	Y0W37	<0.5	110D	11D	1.0	1.0	<0.5	0.7	13D	<0.5	<0.5	Cyclohexane (2.0)
	102	Y0W38	<0.5	240D	12	1.0	4.0	<0.5	<0.5	3.0	<0.5	<0.5	Cyclohexane (0.8), benzene (0.5)
	125	Y0W39	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-27	62	Y0W41	<0.5	6.5	4.8	2.4	0.32J	<0.5	1.3	9.6	<0.5	<0.5	None
	78	Y0W42	<0.5	2.4	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	103	Y0W43	<0.5	4.1	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	126	Y0W44	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-28	59	Y0W46	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Acetone (50J), 4-methyl-2-pentanone (3J), xylenes (0.4J)
	59D	Y0W47	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Acetone (100J), 4-methyl-2-pentanone (6), xylenes (0.5)
	72	Y0W49	<0.5	43D	42D	<0.5	3D	<0.5	3D	<0.5	<0.5	<0.5	None
	96	Y0W50	<0.5	3.0	4.0	<0.5	<0.5	<0.5	<0.5	6.0	<0.5	<0.5	None
	128	Y0W51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None

TABLE 14 (Continued)

Location	Depth (bgs)	Sample No.	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs Detected
CPT-29	60	Y0W53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Carbon disulfide (0.36J)
	74	Y0W54	0.58	52D	61D	1.1	3.1D	0.65	1.6	1.9	<0.5	0.57	Benzene (0.44J)
	91	Y0W55	<0.5	29D	29D	1.4D	1.2D	0.6DJ	2.6D	2.9D	<0.5	<0.5	None
	109	Y0W56	<0.5	<0.5	7.4	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	None
	128	Y0W57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.6	<0.5	<0.5	None
CPT-30	64	Y0W58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	64D	Y0W59	<0.5	0.4J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	80	Y0W61	<0.5	130D	30D	1.7	1.4	0.34J	1.1	<0.5	<0.5	<0.5	Cyclohexane (0.33J)
	98	Y0W62	<0.5	23D	7.4D	0.45J	0.63DJ	<0.5	<0.5	<0.5	<0.5	<0.5	None
	128	Y0W63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	None
CPT-31	69	Y0W65	<0.5	16	7.0	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	Benzene (3.0)
	90	Y0W66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.0	<0.5	<0.5	None
	108	Y0W67	<0.5	<0.5	2J	<0.5	<0.5	<0.5	<0.5	3.0	<0.5	<0.5	None
CPT-32	73	Y0W70	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	73D	Y0W71	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	90	Y0W73	<0.5	2.0	0.3J	<0.5	<0.5	<0.5	<0.5	5.0	<0.5	<0.5	None
	111	Y0W74	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Acetone (7J)
	128	Y0W75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-33	72	Y0W77	<0.5	5.0	2.0	<0.5	<0.5	<0.5	<0.5	4.0	<0.5	<0.5	None
	88	Y0W78	<0.5	1.0	0.7	<0.5	<0.5	<0.5	<0.5	6.0	<0.5	<0.5	None
	102	Y0W79	<0.5	4.0	16J	<0.5	0.4J	<0.5	<0.5	5.0	<0.5	<0.5	None
	126	Y0W80	<0.5	<0.5	<0.5J	<0.5	<0.5J	<0.5	<0.5	<0.5	<0.5	<0.5	Benzene (0.7), toluene (0.7), ethylbenzene (0.3J), xylenes (0.5J)

TABLE 14 (Continued)

Location	Depth (bgs)	Sample No.	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs Detected
CPT-34	72	Y0W82	<0.5	28D	16	<0.5	0.9	<0.5	<0.5	2.0	<0.5	<0.5	None
	72D	Y0W83	<0.5	33D	17	<0.5	0.9	<0.5	<0.5	2.0	<0.5	<0.5	None
	90	Y0W85	<0.5	15	14	<0.5	0.7	<0.5	0.8	<0.5	<0.5	<0.5	None
	108	Y0W86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	128	Y0W87	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-35	58	Y0W89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	72	Y0W90	<0.5	20	4.0	<0.5	0.4J	<0.5	<0.5	1.0	<0.5	<0.5	Cyclohexane (4J)
	90	Y0W91	<2.0	35D	4D	<2.0	0.8	<2.0	<2.0	<2.0	<2.0	<2.0	Carbon disulfide (0.4J)
	110	Y0W92	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	128	Y0W93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
CPT-36	58	Y0W94	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	58D	Y0W95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	72	Y0W97	<0.5	5.0	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Cyclohexane (0.9)
	89	Y0W98	<0.5	140D	5.0	<0.5	0.7	<0.5	2.0	<0.5	<0.5	<0.5	Cyclohexane (0.9)
	108	Y0W99	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	128	Y0WA0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	<0.5	<0.5	Acetone (6J)
CPT-37	72	Y0XL0	<0.5	4.4	3.4	<0.5	<0.5	<0.5	<0.5	3.2	<0.5	<0.5	None
	90	Y0XL1	<0.5	1.4	3.5	<0.5	<0.5	<0.5	<0.5	3.5	<0.5	<0.5	None
	112	Y0XL2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	128	Y0XL3	<0.5	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Acetone (30J), carbon disulfide (1.0), 2-hexanone (2J)
CPT-38	72	Y0XL4	<0.5	14	4J	<0.5	0.7	<0.5	<0.5	2.0	<0.5	<0.5	None
	90	Y0XL5	<0.5	10	8J	<0.5	0.8J	<0.5	<0.5	2.0	<0.5	<0.5	None
	113	Y0XL6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	129	Y0XL7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Acetone (18J)

TABLE 14 (Continued)

Index: Analytical results in micrograms per liter (ug/L) or parts per billion (ppb).
Diluted sample concentrations used in table.

bgs	=	feet below ground surface
J	=	estimated value
B	=	analyte found in associated method blank as well as in sample
D	=	detection associated with sample dilution
CPT	=	cone penetrometer testing
DCA	=	dichloroethane
DCE	=	dichloroethene
DCPA	=	dichloropropane
PCE	=	tetrachloroethene
TCE	=	trichloroethene
VC	=	vinyl chloride
VOC	=	volatile organic

TABLE 15

Recent Groundwater Analytical Results
VOCs
Cooper Drum Company Site, South Gate, California

Location	Sample Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
MW-1	8/29/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2J	<0.5	<0.5	<0.5	Chloroform (0.8)
	1/15/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	Toluene (0.25J), xylenes (0.18J)
	11/04/04	<0.5	0.27J	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5	None
MW-2	4/30/03	<25* (<25*)	230 (220)	790 (790)	29 (27)	45 (46)	<25* (<25*)	64 (65)	<25* (<25*)	<25* (<25*)	<25* (<25*)	Bromoform (56J, 41J)
	12/4/03	<1.0	240	810	13	52	17	75	14	5.1	5.6	Toluene (1.6), chlorobenzene (5.6)
	2/26/04	<0.5	220D	770D	12	48D	15	73D	19	5.8	6.3	Toluene (1.6), chlorobenzene (6.2), Methylcyclohexane (0.63)
	4/28/04	<0.5	290D	990D	10J	50D	10	86D	19	6.0	6.6	Toluene (0.92), chlorobenzene (4.0), cyclohexane (0.20J)
	7/19/04	<2.5	220D	730D	15	46	11	64	<2.5	6.1	5.8	Toluene (1.7J), chlorobenzene (5.4)
	11/02/04	<0.5	270D	790D	19	46JD	23	75D	23	8.2	7.7	Methylcyclohexane (0.66J)Toluene (0.93), chlorobenzene (4.1)
MW-3	4/29/03	<0.5	4	2	<0.5	0.3J	<0.5	<0.5	<0.5	<0.5	<0.5	None
	1/15/04	<0.5	4.2	2.8	<0.5	0.29J	<0.5	<0.5	<0.5	<0.5	<0.5	Toluene (0.24J), xylenes (0.27J)
	7/22/04	<0.5	3.3	2.3	<0.5	0.27J	<0.5	<0.5	<0.5	<0.5	<0.5	None
MW-4	4/29/03	<1.0	12	38	7	2	2	8	3	<1.0	<1.0	None
	1/15/04	<0.5	6.8	23	2.6	0.93	0.86	3.7	1.3	0.23J	<0.5	Toluene (0.19J)
	11/01/04	<0.5	15	30D	6.8	3.0	5.0	8.4	<0.5	0.42J	<0.5	None
MW-5	4/29/03	10	88	200J	6J	3J	3J	78	9J	<10*	<10*	Chlorobenzene (9J)
	12/3/03	13	110	270	7	4.4	3.5	110	8.1	1.5	8.3	Acetone (2.2J), 1,1,2-trichloroethane (0.7J), chlorobenzene (7.2), 1,2,3-trichloropropane (8.0)
	2/25/04	13	91D	210D	5.9	4.1	1.9	90D	8.2	1.3	7.6	1,1,2 trichloroethane (0.93), chlorobenzene (4.6)
	4/27/04	9.8	88D	220D	<0.5	3.3J	<0.5	86D	7.1	<0.5	7.0	Toluene (0.12J), chlorobenzene (4.3), 1,1,2- TCA (0.87), cis-1,3-DCP (0.14J)
	7/21/04	12	220D	170D	6.0	4.1	1.6	82D	5.8	1.2	6.7	1,1,2-Trichloroethane (0.72), chlorobenzene (3.6)
	11/01/04	16	100D	220D	8.0	6.0	4.1	92D	8.2	1.8	9.3	1,1,2-Trichloroethane (0.77), chlorobenzene (5.2)
MW-8	1/21/04	<0.5	33D	86D	0.51	3.2	<0.5	<0.5	<0.5	<0.5	<0.5	Toluene (0.17J)

TABLE 15 (Continued)

Location	Sample Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
MW-10	5/1/03	<0.5 (<0.5)	26D (25)	9 (8)	0.8 (0.9J)	0.4J (0.3J)	0.2J (<0.5)	0.4J (0.4J)	0.2J (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	None
	1/21/04	<0.5 (<0.5)	20D (20D)	12 (14)	0.98 (1.1)	0.60 (0.63)	<0.5 (<0.5)	0.55 (0.57)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	Toluene (0.17J, 0.17J)
	11/02/04	<0.5 (<0.5)	23D (25D)	20 (19)	1.3 (1.2)	1.0 (0.96)	0.79 (0.81)	0.58 (0.61)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	None
MW-12	5/13/03	0.34J	25D	30D	3.6	1.4	<0.5	5.2	<0.5	<0.5	<0.5	None
	1/21/04	<0.5	37D	43D	8.8	2.7	0.75	11	<0.5	0.29J	<0.5	Toluene (0.34J), xylenes (0.45J)
MW-15	5/0103	<10*	250	98	9J	3J	<10*	10J	11	<10*	<10*	Methylene chloride (19J), bromoform (29J)
	1/20/04	0.30J	360D	160D	6.7	6.5	1.2	14	14	0.85	4.1	4-methyl-2-pentanone (0.27J), chlorobenzene (0.56), xylenes (0.24J)
	7/22/04	<0.5	87D	70D	3.9	3.5	1.1	7.3	3.9	0.43J	1.3	None
MW-16	4/28/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2J	<0.5	<0.5	None
	1/12/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	11/03/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
MW-17	4/28/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.2J	<0.5	<0.5	None
	1/20/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Toluene (0.53), xylenes (0.53)
	11/02/04	<0.5	0.58	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
MW-18	4/28/03	<0.5	0.2J	0.8J	<0.5	<0.5	<0.5	<0.5	0.2J	<0.5	<0.5	None
	1/12/04	<0.5	0.24J	0.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
MW-19	5/1/03	<50*	1,000	<50*	<50*	<50*	<50*	<50*	39J	<50*	<50*	Bromoform (93J)
	1/20/04	<0.5	450D	11	2.8J	1.5	0.19J	3	34D	<0.5	<0.5	Chloromethane (0.59BJ), cyclohexane (1.8)
	7/20/04	<0.5	99D	4.5	1.6J	0.65	0.25J	0.77	33D	<0.5	<0.5	Cyclohexane (2.7) carbon disulfide (0.19J)
MW-20	4/30/03	<13*	520	140	<13*	<13*	<13*	41	<13*	<13*	<13*	None
	12/4/03	5.2	570	150	16	7.8	3.6	44	7.6	1.1	4.2	Chlorobenzene (5.4), 1,2,3-trichloropropane (3.8)
	2/26/04	4.1	490D	140D	14	7.3	28	39D	7.8	0.97	4.1	1,1,2-Trichloroethane (0.94), chlorobenzene (4.5)
	4/27/04	5.1	670D	180D	15	8.9	<0.5	48D	8.0	<0.5	4.9	Toluene (0.18J), 1,1,2-Trichloroethane (0.67), chlorobenzene (5.5)
	7/20/04	4.0	470D	140D	16	7.6	3.0	45	7.3	1.1J	4.3	chlorobenzene (3.7)
	11/1/04	5.1	770D	200D	24	11	8.3	58D	12	1.2	5.9	Methylcyclohexane (0.46J), chlorobenzene (4.8)

TABLE 15 (Continued)

Location	Sample Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
MW-21	12/3/03	2.3 (2.3)	550 (870)	210 (370)	25 (25)	14 (14)	5 (5.2)	40 (61)	17 (17)	2.7 (2.6)	9.7 (9.5)	Chlorobenzene (3.8J, 3.8), 1,2,3-trichloropropane (7.9, 7.8)
	2/25/04	2.2	680D	330D	27D	16J	4.9	51D	17	2.6	9.3	Chlorobenzene (3.8), methyl acetate (4.7), toluene (0.22J)
	4/27/04	3.0	980D	490D	50D	20	5.0	80D	20	<0.5	11	Chlorobenzene (4.9), toluene (0.28J)
	7/21/04	2.8	640D	340D	29	15	5.8	69	17	2.6	8.3	Chlorobenzene (4.2)
	11/01/04	2.1	720D	430D	24	11	28E	59D	21	3.0	8.2	Methylcyclohexane (0.52)Toluene (0.25J), chlorobenzene (3.9)
MW-22	1/13/04	<0.5	7.2	2.9	<0.5	0.21J	<0.5	<0.5	<0.5	1.8	<0.5	None
	11/03/04	<0.5	9.6	9.7	<0.5	0.53	0.56	0.38J	<0.5	3.7	<0.5	None
MW-23	1/20/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	11/02/04	<0.5	<0.5	0.69	<0.5	<0.5	<0.5	0.21J	<0.5	<0.5	<0.5	None
MW-24	1/13/04	<0.5	3.1	1.6	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	Chloromethane (0.28J)
	11/04/04	<0.5	3.1	2.3	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	None
MW-25	1/14/04	0.33J (0.37J)	50D (50D)	40D (37D)	1.7 (2.3J)	2.9 (3.9)	0.75 (0.98)	4.7J (6.2)	3.3 (5.5J)	0.35J (0.47J)	<0.5 (1.1)	Chlorobenzene (0.48J, 0.55)
	7/22/04	<0.5	62D	64D	1.2	3.3	0.7	2.2	3.0	0.36J	0.83	Chlorobenzene (0.22J)
MW-26	1/14/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
	11/04/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
MW-27	1/13/04	<0.5	4.9	2.4	<0.5	0.17J	<0.5	<0.5	1.8	<0.5	<0.5	None
	7/21/04	<0.5	3.4	2.3	<0.5	0.20J	<0.5	<0.5	1.7	<0.5	<0.5	None
MW-28	1/14/04	<0.5	11	10	<0.5	0.48J	<0.5	<0.5	1.8J	<0.5	<0.5	None
	11/03/04	<0.5	18	21	<0.5	1.1	0.73	<0.5	2.4	<0.5	<0.5	None
MW-29	1/13/04	<0.5	16	4.7	<0.5	0.63	<0.5	<0.5	1.5	<0.5	<0.5	None
	11/03/04	<0.5	21	5.7	0.38J	0.96	0.38J	<0.5	<0.5	<0.5	<0.5	None
MW-30	1/14/04	<0.5	110D	5.1	0.43J	0.84	<0.5	<0.5	2.7	<0.5	<0.5	None
	7/21/04	<0.5	110D	6.1	0.77	1.4	0.20J	0.42J	3.7	<0.5	<0.5	Cyclohexane (0.69)
MW-31	1/19/04	<0.5	79D	22D	1.4	2	<0.5	<0.5	8	0.42J	<0.5	Cyclohexane (2.9), methylcyclohexane (1.8)
	7/21/04	<0.5	63D	17	1.3	1.6	0.26J	0.36J	5.5	0.31J	<0.5	Cyclohexane (2.0), methylcyclohexane (0.65)

TABLE 15 (Continued)

Location	Sample Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA	Benzene	1,2-DCPA	Other VOCs detected
MW-32	1/19/04	<0.5 (<0.5)	1.3 (<0.5)	0.17J (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	<0.5 (<0.5)	2-butanone (0.47J), toluene (0.21J) None
	11/04/04	<0.5	0.46J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	None
EW-1	4/30/04	<13*	380	170J	19	7J	3J	46	3J	<13*	<13*	Bromoform (24J)
	12/4/04	1.0	480	230	41	9.8	4.1	70	3.7	1.1	1.9	Chlorobenzene (2.6), 1,2,3-trichloropropane (0.8J)
	2/26/04	1.0	450D	210D	39D	9.0J	3.4	65D	5.2	1.3	2.5	Chlorobenzene (2.9)
	4/28/04	1.7	790D	290D	33E	10	<0.5R	83D	5.5	1.9	<0.5	Chlorobenzene (4.2)
	7/20/04	1.9J	600D	230D	39	9.3	3.7	68	5.8	1.7J	3.2	Chlorobenzene (3.7)
	11/01/04	2.9	830D	250E	53E	13	9.7	75E	7.8	2.1	4.2	Chlorobenzene (5.9)
EW-2	4/30/03	<50*	86	1,300J	46J	39J	12J	260	46J	20J	<50*	Bromoform (87J)
	12/3/03	<1.0	16	1,200	72	55	13	320	36	15	11	Chlorobenzene (9.0), 1,2,3-trichloropropane (5.4)
	2/25/04	<0.5 (<0.5)	140D (140D)	1,000D (1,000D)	56D (55D)	43D (44D)	12 (12)	230D (220D)	<40 (43D)	14 (14D)	1.3 (1.3)	Chlorobenzene (9.7, 10.0), methyl acetate (3.6,4.4), toluene (2.6,2.7), 4methyl-2pentonone (3.2J, 3.1J)
	4/28/04	<0.5 (<0.5)	270D (280D)	1,200D (1,200D)	33D (54E)	63E (59E)	84E (78E)	280D (280D)	48E (52E)	20 (19)	15 (15)	Chlorobenzene (10, 10), toluene (3.6,3.6), cyclohexane (0.67, 0.52) See lab sheet for more VOCs
	7/20/04	<2.0 (<2.0)	130D (140D)	390D (400D)	27 (25)	51 (49)	460D (480D)	250D (260D)	39 (36)	14 (14)	11 (11)	Toluene (2.8,2.9), chlorobenzene (6.5, 6.1), xylenes (1.0J)
	11/2/04	<0.5 (<0.5)	130D (130D)	210D (230D)	34E (41JD)	72JD (75JD)	1100D (1200D)	240D (270D)	41E (41E)	20 (20)	15 (16)	Toluene (3.5,3.6), chlorobenzene (7.5, 7.3), xylenes (1.2, 1.2)
SVE-1	12/3/03	2.5	70	1,100	69	18	140	230	8.2	16	15	Chlorobenzene (32), ethylbenzene (76) xylenes (162), toluene (310), see Lab sheet for additional VOCs
	7/22/04	1.7J	47	370D	7.0	26	33	81	5.4	6.8	8.5	Chlorobenzene (29), ethylbenzene (12) xylenes (33), toluene (51), see Lab sheet for additional VOCs
SVE-2	4/29/04	50D	29D	5.9	<0.5	0.55	1.1	76D	<0.5	0.93	<0.5	Acetone (51), 1,1,1-TCA (0.76), See Lab sheet for additional VOCs

TABLE 15 (Continued)

Index: Analytical results in micrograms per liter or parts per billion.

*	=	Detection limit exceeds respective maximum contaminant level for drinking water as established in Title 22 of the California Code of Regulations.

Duplicate Sample results shown in parenthesis.

D	=	detection associated with sample dilution
E	=	concentration exceeds upper instrument calibration range
R	=	The data are unusable. Resampling and reanalysis is necessry for verification.
DCA	=	dichloroethane
DCE	=	dichloroethene
DCPA	=	dichloropropane
J	=	estimated value
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
VC	=	vinyl chloride
VOC	=	volatile organic compound

TABLE 16

Historical Groundwater Analytical Results
VOCs
Cooper Drum Company Site, South Gate, California

Location	MW-1							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Sep-91	-	ND	ND	ND	-	-	-	-
Jun-92	-	**2**	ND	ND	-	-	-	-
Oct-96	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	**2**
Nov-98	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	**0.4J**
Oct-00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
May-03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.2J**	<0.5
Jan-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.3**
Nov-04	<0.5	**0.27J**	<0.5	<0.5	<0.5	<0.5	<0.5	**2.8**

Location	MW-2							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Sep-91	-	**207**	ND	ND	-	-	-	-
Jun-92	-	**510**	**346**	**7**	-	-	-	-
Oct-96	<1.0	**480**	**660**	**19**	**23**	**8**	**100**	**45**
Oct-98	<10	**640**	**1100**	**46**	**46**	**14**	**220**	**97**
Nov-98	<1.0	**780**	**1200**	**32**	**34**	**12**	**190**	**82**
Mar-99	<1.0	**800**	**800**	**10**	**19**	**5**	**52**	**20**
Oct-00	0.5	**290**	**730**	**15**	**47**	**9**	**72**	**30**
May-03	<25	**230**	**790**	**29**	**46**	<25	**65**	<25
Dec-03	<1.0	**240**	**810**	**13**	**52**	**17**	**75**	**14**
Feb-04	<0.5	**220**	**770**	**12**	**48**	**15**	**73**	**19**
Apr-04	<0.5	**290**	**990**	**10**	**50**	**10**	**86**	**19**
July-04	<2.5	**220D**	**730D**	**15**	**46**	**11**	**64**	<2.5
Nov-04	<0.5	**270D**	**790D**	**19**	**46JD**	**23**	**75D**	**23**

TABLE 16 (Continued)

Location	MW-3							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Sep-91	-	**17**	ND	ND	-	-	-	-
Jun-92	-	**18**	**6**	**0.6**	-	-	-	-
Oct-96	<1.0	**7**	**2**	<1.0	**0.6J**	<0.5	<1.0	<1.0
Nov-98	<1.0	**9**	**2**	<1.0	<1.0	<0.5	<1.0	<0.5
Oct-00	<0.5	**5**	**2**	<0.5	**0.3J**	<0.5	<0.5	<0.5
May-03	<0.5	**4**	**2**	<0.5	**0.3J**	<0.5	<0.5	<0.5
Jan-04	<0.5	**4.2**	**2.8**	<0.5	**0.29J**	<0.5	<0.5	<0.5
July-04	<0.5	**3.3**	**2.3**	<0.5	**0.27J**	<0.5	<0.5	<0.5

Location	MW-4							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Sep-91	-	**29**	ND	ND	-	-	-	-
Jun-92	-	**27**	**18**	ND	-	-	-	-
Oct-96	<1.0	**6**	**10**	**2**	**0.9J**	**1**	**0.3J**	**0.9**
Nov-98	<1.0	**8**	**14**	**2**	**0.9J**	**0.9**	**1**	**0.5**
Oct-00	<0.5	**6**	**15**	**2**	**1**	**1**	**4**	**1**
May-03	<1.0	**12**	**38**	**7**	**2**	**2**	**8**	**3**
Jan-04	<0.5	**6.8**	**23**	**2.6**	**0.93**	**0.86**	**3.7**	**1.3**
Nov-04	<0.5	**15**	**30D**	**6.8**	**3.0**	**5.0**	**8.4**	**<0.5**

TABLE 16 (Continued)

Location	MW-5							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jun-92	-	**684**	**90**	**11**	-	-	-	-
Oct-96	**23**	**570**	**440**	**43**	**10**	**7**	**280**	**29**
Oct-98	**57**	**590**	**580**	**54**	**16**	**14**	**340**	**38**
Nov-98	**44**	**570**	**670**	**45**	**14**	**11**	**330**	**39**
Mar-99	**42**	**300**	**300**	**20**	**10**	**9**	**200**	**28**
Oct-00	**21**	**60**	**100**	**9**	**3**	**3**	**47**	**12**
May-03	**10**	**88**	**200J**	**6J**	**3J**	**3J**	**78**	**9J**
Dec-03	**13**	**110**	**270**	**7**	**4.4**	**3.5**	**110**	**8.1**
Feb-04	**13**	**91**	**210**	**5.9**	**4.1**	**1.9**	**90**	**8.2**
Apr-04	**9.8**	**88**	**220**	<0.5	**3.3**	**<0.5**	**86**	**1.1**
July-04	**12**	**220D**	**170D**	**6.0**	**4.1**	**1.6**	**82D**	**5.8**
Nov-04	**16**	**100D**	**220D**	**8.0**	**6.0**	**4.1**	**92D**	**8.2**

Location	MW-8							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Nov-98	<10	**150**	**140**	**10**	**5J**	<10	<10	<10
Oct-00	<0.5	**58**	**81**	<0.5	**4**	<0.5	<0.5	<0.5
Jan-04	<0.5	**33D**	**86D**	**0.51**	**3.2**	<0.5	<0.5	<0.5

Location	MW-10							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Nov-98	<1.0	<1.0	**4**	<1.0	<1.0	<1.0	<1.0	<1.0
Oct-00	<0.5	**2**	**4**	**0.4J**	<0.5	<0.5	<0.5	<0.5
May-03	<0.5	**26D**	**9**	**0.8**	**0.4J**	**0.2J**	**0.4J**	**0.2J**
Jan-04	<0.5	**20**	**14**	**1.1**	**0.63**	<0.5	**0.57**	<0.5
Nov-04	<0.5	**23D**	**20**	**1.3**	**1.0**	**0.79**	**0.58**	<0.5

TABLE 16 (Continued)

Location	MW-12							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Nov-98	<2.0	**38**	**22**	**2**	**1J**	<2.0	<2.0	<2.0
Oct-00	<3.0	**31**	**21**	<3.0	<3.0	<3.0	<3.0	<3.0
May-03	**0.34J**	**25D**	**30D**	**3.6**	**1.4**	<0.5	**5.2**	<0.5
Jan-04	<0.5	**37D**	**43D**	**8.8**	**2.7**	**0.75**	**11**	<0.5

Location	MW-14							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Nov-98	<1.0	**2**	**0.6J**	<1.0	<1.0	<1.0	<1.0	<1.0
Oct-00	<0.5	**6**	**51**	<0.5	**1**	<0.5	**2**	<0.5
Oct-02	<0.5	**58**	**330**	<0.5	**17**	**2**	**11**	<0.5

Location	MW-15							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-00	**1**	**590**	**150**	**10**	**7**	**2.2**	**22**	**4.1**
Feb-01	**2**	**700**	**170**	**10**	**6**	**2**	**20**	**3.7**
May-03	<10	**250**	**98**	**9J**	**3J**	<10	**10J**	**11**
Jan-04	**0.30J**	**360D**	**160D**	**6.7**	**6.5**	**1.2**	**14**	**14**
July-04	<0.5	**87D**	**70D**	**3.9**	**3.5**	**1.1**	**7.3**	**3.9**

Location	MW-16							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
Feb-01	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
May-03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.2J**
Jan-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nov-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 16 (Continued)

Location	MW-17							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-00	<1.0	**3**	<0.5	<1.0	<1.0	<0.5	<1.0	**0.3J**
Feb-01	<1.0	<1.0	<0.5	<1.0	<1.0	<0.5	<1.0	<0.5
May-03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.2J**
Jan-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nov-04	<0.5	**0.58**	**0.52**	<0.5	<0.5	<0.5	<0.5	<0.5

Location	MW-18							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-00	<1.0	<1.0	**0.6**	<1.0	<1.0	<0.5	<1.0	**0.4J**
Feb-01	<1.0	<1.0	<0.5	<1.0	<1.0	<0.5	<1.0	**0.3J**
May-03	<0.5	**0.2J**	**0.8J**	<0.5	<0.5	<0.5	<0.5	**0.2J**
Jan-04	<0.5	**0.24J**	**0.72**	<0.5	<0.5	<0.5	<0.5	<0.5

Location	MW-19							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-00	<1.0	**6700**	**45**	**18**	**9**	**1.2**	**31**	**12**
Feb-01	<1.0	**5700**	**33**	**16**	**8**	**1**	**29**	**9.7**
May-03	<50	**1000**	<50	<50	<50	<50	<50	**39J**
Jan-04	<0.5	**450D**	**11**	**2.8J**	**1.5**	**0.19J**	**3**	**34D**
July-04	<0.5	**99D**	**4.5**	**1.6J**	**0.65**	**0.25J**	**0.77**	**33D**

Location	MW-20							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Feb-03	**5.6**	**300**	**110**	**7.6**	**5.4**	<5.0	**32**	**6.4**
May-03	<13	**520**	**140**	<13	<13	<13	**41**	<13
Dec-03	**5.2**	**570**	**150**	**16**	**7.8**	**3.6**	**44**	**7.6**
Feb-04	**4.1**	**490**	**140**	**14**	**7.3**	**2.8**	**39**	**7.8**
Apr-04	**5.1**	**670**	**180**	**15**	**8.9**	**<0.5**	**48**	**8**
July-04	4.0	**470D**	**140D**	**16**	**7.6**	**3.0**	**45**	**7.3**
Nov-04	**5.1**	**770D**	**200E**	**24**	**11**	**8.3**	**58D**	**12**

TABLE 16 (Continued)

Location	MW-21							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Dec-03	**2.3**	**870**	**370**	**25**	**14**	**5.2**	**61**	**17**
Feb-04	**2.2**	**680**	**330**	**27**	**16J**	**4.9**	**51**	**17**
Apr-04	**3**	**980**	**490**	**50J**	**20**	**5**	**80**	**20**
July-04	**2.8**	**640D**	**340D**	**29**	**15**	**5.8**	**69**	**17**
Nov-04	**2.1**	**720D**	**430D**	**24**	**11**	**28E**	**59D**	**21**

Location	MW-22							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**7.2**	**2.9**	<0.5	**0.21J**	<0.5	<0.5	<0.5
Nov-04	<0.5	**9.6**	**9.7**	<0.5	**0.53**	**0.56**	**0.38J**	<0.5

Location	MW-23							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nov-04	<0.5	<0.5	**0.69**	<0.5	<0.5	<0.5	**0.21J**	<0.5

Location	MW-24							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**3.1**	**1.6**	<0.5	<0.5	<0.5	<0.5	**1.6**
Nov-04	<0.5	**3.1**	**2.3**	<0.5	<0.5	<0.5	<0.5	**2.3**

Location	MW-25							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	**0.37J**	**50D**	**40D**	**2.3J**	**3.9**	**0.98**	**6.2**	**5.5J**
July-04	<0.5	**62D**	**64D**	**1.2**	**3.3**	**0.7**	**2.2**	**3.0**

Location	MW-26							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nov-04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 16 (Continued)

Location	MW-27							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**4.9**	**2.4**	<0.5	**0.17J**	<0.5	<0.5	**1.8**
July-07	<0.5	**3.4**	**2.3**	<0.5	0.20J	<0.5	<0.5	**1.7**

Location	MW-28							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**11**	**10**	<0.5	**0.48J**	<0.5	<0.5	**1.8J**
Nov-04	<0.5	**18**	**21**	<0.5	**1.1**	**0.73**	<0.5	**2.4**

Location	MW-29							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**16**	**4.7**	<0.5	**0.63**	<0.5	<0.5	**1.5**
Nov-04	<0.5	**21**	**5.7**	**0.38J**	**0.96**	**0.38J**	<0.5	<0.5

Location	MW-30							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**110D**	**5.1**	**0.43J**	**0.84**	<0.5	<0.5	**2.7**
July-04	<0.5	**110D**	**6.1**	**0.77**	**1.4**	**0.20J**	**0.42J**	**3.7**

Location	MW-31							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**79D**	**22D**	**1.4**	**2**	<0.5	<0.5	**8**
July-04	<0.5	**63D**	**17**	1.3	1.6	0.26J	0.36J	**5.5**

Location	MW-32							
Date	**PCE**	**TCE**	**cis-1,2-DCE**	**1,1-DCE**	**trans-1,2-DCE**	**VC**	**1,1-DCA**	**1,2-DCA**
Jan-04	<0.5	**1.3**	**0.17J**	<0.5	<0.5	<0.5	<0.5	<0.5
Nov-04	<0.5	**0.46J**	**<0.5**	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 16 (Continued)

Location	EW-1							
Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA
Mar-99	<1.0	190	14	1	0.8J	<0.5	1	0.5
Aug-99	8	310	100	21	4	2.7	50	6.3
Oct-00	5	310	100	20	5	3	45	5
May-03	<13	380	170J	19	7J	3J	46	3J
Dec-03	1.0	480	230	41	9.8	4.1	70	3.7
Feb-04	1.0	450	210	39	9J	3.4	65	5.2
Apr-04	1.7	790D	290D	33E	10	<0.5R	83D	5.5
July-04	1.9J	600D	230D	39	9.3	3.7	68	5.8
Nov-04	2.9	830D	250E	53E	13	9.7	75E	7.8

Location	EW-2							
Date	PCE	TCE	cis-1,2-DCE	1,1-DCE	trans-1,2-DCE	VC	1,1-DCA	1,2-DCA
Dec-00	<1.0	150	170	9	10	1.7	20	5.4
Mar-01	0.6J	130	110	10J	12	2.4	20	<0.5
May-03	<50	86	1300J	46J	39J	12J	260	46J
Dec-03	<1.0	16	1200	72	55	13	320	36
Feb-04	<5.0	140	1000	56	44	12	230	39
Apr-04	<0.5	270D	1200D	54E	63J	84	280D	48E
July-04	<2.0	130D	390D	27	51	460D	250D	39
Nov-04	<0.5	130D	210D	34E	72JD	1100D	240D	41E

Index: Analytical results in micrograms per liter (µg/L) or parts per billion (ppb).
D = detection associated with sample dilution
DCA = dichloroethane
DCE = dichloroethene
E = concentration exceeds upper level of instrument calibration range
J = estimated value
ND = not detected at or above laboratory detection limit
PCE = tetrachloroethene
R = the data are unusable. Resampling and reanalysis is necessary for verification.
TCE = trichloroethene
VC = vinyl chloride
VOC = volatile organic compound

TABLE 17

1,4-Dioxane
Groundwater Analytical Results
Cooper Drum Company Site, South Gate, California

Location	1,4-Dioxane	Sample Date	Location	1,4-Dioxane	Sample Date	Location	1,4-Dioxane	Sample Date
MW-1	1.7	11/04/04	MW-17	0.9	11/02/04	MW-27	0.5J	07/21/04
MW-2	69	04/28/04	MW-18	NS		MW-28	<1.0	11/03/04
MW-3	0.8J	07/22/04	MW-19	17	07/20/04	MW-29	2.2	11/03/04
MW-4	12	11/01/04	MW-20	120	04/27/04	MW-30	8.5	07/21/04
MW-5	230	04/27/04	MW-21	280	04/27/04	MW-31	17	07/21/04
MW-8	NS		MW-22	1.1	11/03/04	MW-32	<1.0	11/04/04
MW-10	4.7 (2.8)	11/02/04	MW-23	2.7	11/02/04	EW-1	550	04/28/04
MW-12	NS		MW-24	<1.0	11/04/04	EW-2	710 (700)	04/28/04
							700 (610)	11/02/04
MW-15	54	07/22/04	MW-25	9.6	07/22/04	SVE-1	120	07/22/04
MW-16	<1.0	11/03/04	MW-26	<1.0	11/04/04	SVE-2	NS	

Index: Analytical results in micrograms per liter or parts per billion.
Duplicate sample analysis shown in parenthesis
J = estimated value
NS = well not sampled