

PALOS VERDES LANDFILL  
REMEDIAL INVESTIGATION REPORT

APPENDIX B.3.1.4

PESTICIDES AND PCB'S  
BATCH QA/QC FOR  
THE GROUND WATER SAMPLES

Table 2. Quality Assurance Data

SAMPLE SET 361 Extracted on January 7, 1992. Including sample numbers SJ30037 (spiked sample), SJ30034, SJ30035, and SJ30036.

Component (test code)	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC (508)	102	< 0.01	89	61-107	88	60-101	NA	NA
beta-BHC (523)	104	< 0.01	78	60-111	76	75-100	NA	NA
gamma-BHC (509)	101	< 0.01	86	65-106	84	66-102	NA	NA
delta-BHC (524)	99	< 0.01	82	59-105	81	65-98	NA	NA
Heptachlor (510)	100	< 0.01	49	36-89	38	41-77	NA	NA
Aldrin (512)	100	< 0.01	47	37-86	47	44-77	NA	NA
Hepta. Epox. A (511)	100	< 0.01	76	62-113	74	69-106	NA	NA
Hepta. Epox. B (511)	100	< 0.01	78	63-113	76	73-104	NA	NA
Oxychlorane (529)	103	< 0.01	67	56-109	65	69-99	NA	NA
trans-Chlordane (527)	103	< 0.01	69	57-107	71	67-102	NA	NA
cis-Chlordane (526)	104	< 0.01	73	60-104	73	68-96	NA	NA
trans-Nonachlor (518)	96	< 0.01	69	58-109	69	74-104	NA	NA
o,p'-DDE (501)	105	< 0.01	66	49-109	70	66-99	NA	NA
p,p'-DDE (502)	103	< 0.01	68	50-109	71	67-95	NA	NA
o,p'-DDD (503)	102	< 0.01	80	72-106	80	79-100	NA	NA
p,p'-DDD (504)	106	< 0.01	79	64-110	81	73-103	NA	NA
o,p'-DDT (505)	105	< 0.01	75	62-108	79	77-100	NA	NA
p,p'-DDT (506)	103	< 0.01	72	60-105	75	65-99	NA	NA
Dieldrin (513)	102	< 0.01	79	59-111	75	71-100	NA	NA
Endrin (514)	102	< 0.01	53	41-121	76	59-121	NA	NA
Endosulfan I (531)	104	< 0.01	79	62-108	76	71-99	NA	NA
Endosulfan II (532)	103	< 0.01	24	19-119	2	52-96	NA	NA
Endosulfan Sulf (533)	100	< 0.01	22	22-121	4	50-97	NA	NA
Endrin Aldehyde (534)	89	< 0.01	24	7-89	5	37-78	NA	NA
Methoxychlor (516)	102	< 2	67	29-123	69	41-118	NA	NA
Aroclor 1242 (519)	110	< 0.1	84	60-115	-	72-100	-	NA
Aroclor 1254 (520)	106	< 0.1	82	59-119	-	47-111	-	NA
Toxaphene (515)	108	< 5	87	68-111	-	70-118	-	NA
Tech. Chlordane (540)	115	< 0.1	70	60-107	-	77-105	-	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK	WELL	WELL	WELL
		----	M06A	M06B	M07A
		SJ30037	SJ30034	SJ30035	SJ30036
		01/02/92	01/02/92	01/02/92	01/02/92
<b>PESTICIDES</b>					
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L		A	A	A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 3. Quality Assurance Data**

**SAMPLE SET 364** Extracted on January 13, 1992. Including sample numbers SJ30212 (spiked sample), SJ30213, and SJ30214.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	103	< 0.01	93	61-107	-	60-101	-	NA
beta-BHC	108	< 0.01	92	60-111	-	75-100	-	NA
gamma-BHC	104	< 0.01	96	65-106	-	66-102	-	NA
delta-BHC	104	< 0.01	92	59-105	-	65-98	-	NA
Heptachlor	108	< 0.01	26	36-89	-	41-77	-	NA
Aldrin	107	< 0.01	67	37-86	-	44-77	-	NA
Hepta. Epox. A	108	< 0.01	90	62-113	-	69-106	-	NA
Hepta. Epox. B	109	< 0.01	92	63-113	-	73-104	-	NA
Oxychlordane	107	< 0.01	83	56-109	-	69-99	-	NA
trans-Chlordane	108	< 0.01	86	57-107	-	67-102	-	NA
cis-Chlordane	107	< 0.01	86	60-104	-	68-96	-	NA
trans-Nonachlor	110	< 0.01	86	58-109	-	74-104	-	NA
o,p'-DDE	108	< 0.01	83	49-109	-	66-99	-	NA
p,p'-DDE	109	< 0.01	86	50-109	-	67-95	-	NA
o,p'-DDD	109	< 0.01	92	72-106	-	79-100	-	NA
p,p'-DDD	110	< 0.01	92	64-110	-	73-103	-	NA
o,p'-DDT	107	< 0.01	88	62-108	-	77-100	-	NA
p,p'-DDT	110	< 0.01	87	60-105	-	65-99	-	NA
Dieldrin	107	< 0.01	78	59-111	-	71-100	-	NA
Endrin	110	< 0.01	73	41-121	-	59-121	-	NA
Endosulfan I	111	< 0.01	87	62-108	-	71-99	-	NA
Endosulfan II	108	< 0.01	1	19-119	-	52-96	-	NA
Endosulfan Sulf.	106	< 0.01	1	22-121	-	50-97	-	NA
Endrin Aldehyde	107	< 0.01	7	7-89	-	37-78	-	NA
Methoxychlor	108	< 2	94	29-123	-	41-118	-	NA
Aroclor 1242	113	< 0.1	83	60-115	82	72-100	NA	NA
Aroclor 1254	112	< 0.1	88	59-119	70	47-111	NA	NA
Toxaphene	100	< 5	95	68-111	-	70-118	-	NA
Tech. Chlordane	100	< 0.1	85	60-107	-	77-105	-	NA

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M23A SJ30212 01/07/92	WELL M26A SJ30213 01/07/92	WELL P410 SJ30214 01/07/92	WELL M07A SJ30036 01/02/92
<b>PESTICIDES</b>					
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	< 0.01 A	< 0.01 A	< 0.01 A	< 0.01 A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 4. Quality Assurance Data**

**SAMPLE SET 368** Extracted on January 16, 1992. Including sample numbers SJ30366, SJ30367, SJ30427, SJ30428, SJ30429, and SJ30430 (a Joint Water Pollution Control Plant Raw Influent sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	101	< 0.01	68	61-107	-	60-101	-	NA
beta-BHC	105	< 0.01	82	60-111	-	75-100	-	NA
gamma-BHC	103	< 0.01	76	65-106	-	66-102	-	NA
delta-BHC	102	< 0.01	75	59-105	-	65-98	-	NA
Heptachlor	103	< 0.01	9	36-89	-	41-77	-	NA
Aldrin	102	< 0.01	55	37-86	-	44-77	-	NA
Hepta. Epox. A	104	< 0.01	84	62-113	-	69-106	-	NA
Hepta. Epox. B	104	< 0.01	86	63-113	-	73-104	-	NA
Oxychlordane	107	< 0.01	75	56-109	-	69-99	-	NA
trans-Chlordane	102	< 0.01	77	57-107	-	67-102	-	NA
cis-Chlordane	102	< 0.01	78	60-104	-	68-96	-	NA
trans-Nonachlor	102	< 0.01	75	58-109	-	74-104	-	NA
o,p'-DDE	102	< 0.01	73	49-109	-	66-99	-	NA
p,p'-DDE	100	< 0.01	76	50-109	-	67-95	-	NA
o,p'-DDD	107	< 0.01	86	72-106	-	79-100	-	NA
p,p'-DDD	107	< 0.01	81	64-110	-	73-103	-	NA
o,p'-DDT	104	< 0.01	79	62-108	-	77-100	-	NA
p,p'-DDT	99	< 0.01	77	60-105	-	65-99	-	NA
Dieldrin	100	< 0.01	84	59-111	-	71-100	-	NA
Endrin	100	< 0.01	60	41-121	-	59-121	-	NA
Endosulfan I	99	< 0.01	85	62-108	-	71-99	-	NA
Endosulfan II	100	< 0.01	11	19-119	-	52-96	-	NA
Endosulfan Sulf.	95	< 0.01	7	22-121	-	50-97	-	NA
Endrin Aldehyde	102	< 0.01	22	7-89	-	37-78	-	NA
Methoxychlor	92	< 2	72	29-123	-	41-118	-	NA
Aroclor 1242	105	< 0.1	83	60-115	-	72-100	-	NA
Aroclor 1254	108	< 0.1	83	59-119	-	47-111	-	NA
Toxaphene	101	< 5	80	68-111	19	NA	NA	NA
Tech. Chlordane	98	< 0.1	78	60-107	47	NA	NA	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	SUMP	SUMP	WELL	WELL	WELL	WELL
		S7	S7	M45A	M47B	M46A	M46A
		SJ30366	SJ30367	SJ30427	SJ30428	SJ30429	SJ30430
		01/09/92	01/09/92	01/10/92	01/10/92	01/10/92	01/10/92
<b>PESTICIDES</b>							
OP'-DDE	UG/L	< 0.01	< 0.01				
PP'-DDE	UG/L	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
OP'-DDD	UG/L	< 0.01	< 0.01				
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OP'-DDT	UG/L	< 0.01	< 0.01				
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L			< 5	< 5	< 5	< 5
AROCLOR 1242	UG/L	0.5	0.4	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TICH	UG/L	0.51	0.41				
BETA-BHC	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L				A	A	A
ENDOSULFAN I	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L			< 0.01	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L			< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L			< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L			< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L			< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L			< 0.1	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L			< 0.1	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 5. Quality Assurance Data**

**SAMPLE SET 370** Extracted on January 28, 1992. Including sample numbers SJ30894, SJ30895, and SJ30896 (an Industrial Waste Sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	100	< 0.01	80	61-107	-	60-101	-	NA
beta-BHC	102	< 0.01	67	60-111	-	75-100	-	NA
gamma-BHC	104	< 0.01	83	65-106	-	66-102	-	NA
delta-BHC	101	< 0.01	64	59-105	-	65-98	-	NA
Heptachlor	100	< 0.01	55	36-89	-	41-77	-	NA
Aldrin	100	< 0.01	58	37-86	-	44-77	-	NA
Hepta. Epox. A	102	< 0.01	76	62-113	-	69-106	-	NA
Hepta. Epox. B	102	< 0.01	80	63-113	-	73-104	-	NA
Oxychlordan	106	< 0.01	75	56-109	-	69-99	-	NA
trans-Chlordan	100	< 0.01	61	57-107	-	67-102	-	NA
cis-Chlordan	97	< 0.01	76	60-104	-	68-96	-	NA
trans-Nonachlor	100	< 0.01	80	58-109	-	74-104	-	NA
o,p'-DDE	100	< 0.01	60	49-109	-	66-99	-	NA
p,p'-DDE	98	< 0.01	49	50-109	-	67-95	-	NA
o,p'-DDD	106	< 0.01	48	72-106	-	79-100	-	NA
p,p'-DDD	99	< 0.01	30	64-110	-	73-103	-	NA
o,p'-DDT	103	< 0.01	45	62-108	-	77-100	-	NA
p,p'-DDT	98	< 0.01	29	60-105	-	65-99	-	NA
Dieldrin	99	< 0.01	63	59-111	-	71-100	-	NA
Endrin	98	< 0.01	59	41-121	-	59-121	-	NA
Endosulfan I	100	< 0.01	66	62-108	-	71-99	-	NA
Endosulfan II	99	< 0.01	33	19-119	-	52-96	-	NA
Endosulfan Sulf.	99	< 0.01	26	22-121	-	50-97	-	NA
Endrin Aldehyde	104	< 0.01	21	7-89	-	37-78	-	NA
Methoxychlor	108	< 2	20	29-123	-	41-118	-	NA
Aroclor 1242	113	< 0.1	80	60-115	76	72-100	NA	NA
Aroclor 1254	111	< 0.1	89	59-119	41	47-111	NA	NA
Toxaphene	90	< 5	66	68-111	-	70-118	-	NA
Tech. Chlordan	90	< 0.1	77	60-107	-	77-105	-	NA

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL
		M24A SJ30894 01/21/92	P4-6 SJ30895 01/21/92	M48A M48A SJ30896 01/21/92
<b>PESTICIDES</b>				
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	A	A	A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 6. Quality Assurance Data**

**SAMPLE SET 372** Extracted on February 7, 1992. Including sample numbers SJ31597 (spiked sample), SJ31598, SJ31599, SJ31600, SJ31700, SJ31703, and SJ31765.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	101	< 0.01	99	61-107	89	60-101	NA	NA
beta-BHC	102	< 0.01	101	60-111	84	75-100	NA	NA
gamma-BHC	100	< 0.01	101	65-106	96	66-102	NA	NA
delta-BHC	96	< 0.01	99	59-105	81	65-98	NA	NA
Heptachlor	102	< 0.01	73	36-89	64	41-77	NA	NA
Aldrin	102	< 0.01	61	37-86	55	44-77	NA	NA
Hepta. Epox. A	106	< 0.01	90	62-113	91	69-106	NA	NA
Hepta. Epox. B	106	< 0.01	104	63-113	96	73-104	NA	NA
Oxychlordane	105	< 0.01	85	56-109	80	69-99	NA	NA
trans-Chlordane	102	< 0.01	86	57-107	72	67-102	NA	NA
cis-Chlordane	104	< 0.01	91	60-104	77	68-96	NA	NA
trans-Nonachlor	101	< 0.01	86	58-109	68	74-104	NA	NA
o,p'-DDE	98	< 0.01	79	49-109	67	66-99	NA	NA
p,p'-DDE	102	< 0.01	85	50-109	59	67-95	NA	NA
o,p'-DDD	102	< 0.01	100	72-106	80	79-100	NA	NA
p,p'-DDD	98	< 0.01	95	64-110	43	73-103	NA	NA
o,p'-DDT	98	< 0.01	89	62-108	54	77-100	NA	NA
p,p'-DDT	101	< 0.01	90	60-105	42	65-99	NA	NA
Dieldrin	101	< 0.01	55	59-111	80	71-100	NA	NA
Endrin	98	< 0.01	0	41-121	76	59-121	NA	NA
Endosulfan I	94	< 0.01	98	62-108	78	71-99	NA	NA
Endosulfan II	103	< 0.01	79	19-119	36	52-96	NA	NA
Endosulfan Sulf.	99	< 0.01	79	22-121	35	50-97	NA	NA
Endrin Aldehyde	103	< 0.01	33	7-89	32	37-78	NA	NA
Methoxychlor	100	< 2	71	29-123	25	41-118	NA	NA
Aroclor 1242	109	< 0.1	85	60-115	-	72-100	-	NA
Aroclor 1254	110	< 0.1	85	59-119	-	47-111	-	NA
Toxaphene	105	< 5	104	68-111	-	70-118	-	NA
Tech. Chlordane	107	< 0.1	100	60-107	-	77-105	-	NA

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M57B SJ31597 02/03/92	WELL M61B SJ31598 02/03/92	WELL M57B SJ31599 02/03/92	BLNK ---- SJ31600 02/03/92	WELL M50B SJ31700 02/04/92	SUMP S7 SJ31703 02/04/92	WELL M51B SJ31765 02/05/92
<b>PESTICIDES</b>								
OP'-DDE	UG/L						0.02	
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
OP'-DDD	UG/L						< 0.01	
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OP'-DDT	UG/L						< 0.01	
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5	< 5		< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1
TICH	UG/L						0.94	
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
TOTAL DETECTED CHLORDANES	UG/L		A	A	A	A	A	A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 7. Quality Assurance Data**

**SAMPLE SET 373** Extracted on February 11, 1992. Including sample numbers SJ31766 (spiked sample), SJ31767, and SJ31768.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	106	< 0.01	97	61-107	-	60-101	-	NA
beta-BHC	112	< 0.01	95	60-111	-	75-100	-	NA
gamma-BHC	103	< 0.01	97	65-106	-	66-102	-	NA
delta-BHC	103	< 0.01	97	59-105	-	65-98	-	NA
Heptachlor	112	< 0.01	87	36-89	-	41-77	-	NA
Aldrin	113	< 0.01	82	37-86	-	44-77	-	NA
Hepta. Epox. A	114	< 0.01	97	62-113	-	69-106	-	NA
Hepta. Epox. B	114	< 0.01	100	63-116	-	73-104	-	NA
Oxychlorane	114	< 0.01	95	56-109	-	69-99	-	NA
trans-Chlordane	113	< 0.01	94	57-107	-	67-102	-	NA
cis-Chlordane	113	< 0.01	94	60-104	-	68-96	-	NA
trans-Nonachlor	112	< 0.01	93	58-109	-	74-104	-	NA
o,p'-DDE	111	< 0.01	91	49-109	-	66-99	-	NA
p,p'-DDE	112	< 0.01	94	50-109	-	67-95	-	NA
o,p'-DDD	112	< 0.01	95	72-106	-	79-100	-	NA
p,p'-DDD	107	< 0.01	92	64-110	-	73-103	-	NA
o,p'-DDT	110	< 0.01	93	62-108	-	77-100	-	NA
p,p'-DDT	110	< 0.01	90	60-105	-	65-99	-	NA
Dieldrin	113	< 0.01	94	59-111	-	71-100	-	NA
Endrin	108	< 0.01	59	41-121	-	59-121	-	NA
Endosulfan I	106	< 0.01	95	62-108	-	71-99	-	NA
Endosulfan II	109	< 0.01	51	19-119	-	52-96	-	NA
Endosulfan Sulf.	103	< 0.01	50	22-121	-	50-97	-	NA
Endrin Aldehyde	108	< 0.01	53	7-89	-	37-78	-	NA
Methoxychlor	94	< 2	78	29-123	-	41-118	-	NA
Aroclor 1242	110	< 0.1	85	60-115	90	72-100	NA	NA
Aroclor 1254	111	< 0.1	84	59-119	86	47-111	NA	NA
Toxaphene	96	< 5	87	68-111	-	70-118	-	NA
Tech. Chlordane	106	< 0.1	87	60-107	-	77-105	-	NA

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL
		M52B SJ31766 02/05/92	M53B SJ31767 02/05/92	M54B SJ31768 02/05/92
<b>PESTICIDES</b>				
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	A	A	A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 8. Quality Assurance Data**

**SAMPLE SET 375** Extracted on February 14, 1992. Including sample numbers SJ31962 (spiked sample), SJ31960, and SJ31961.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	92	< 0.01	90	61-107	-	60-101	-	NA
beta-BHC	92	< 0.01	94	60-111	-	75-100	-	NA
gamma-BHC	90	< 0.01	96	65-106	-	66-102	-	NA
delta-BHC	93	< 0.01	89	59-105	-	65-98	-	NA
Heptachlor	94	< 0.01	68	36-89	-	41-77	-	NA
Aldrin	95	< 0.01	60	37-86	-	44-77	-	NA
Hepta. Epox. A	103	< 0.01	95	62-113	-	69-106	-	NA
Hepta. Epox. B	104	< 0.01	99	63-113	-	73-104	-	NA
Oxychlordane	100	< 0.01	85	56-109	-	69-99	-	NA
trans-Chlordane	96	< 0.01	82	57-107	-	67-102	-	NA
cis-Chlordane	98	< 0.01	86	60-104	-	68-96	-	NA
trans-Nonachlor	95	< 0.01	81	58-109	-	74-104	-	NA
o,p'-DDE	89	< 0.01	75	49-109	-	66-99	-	NA
p,p'-DDE	97	< 0.01	80	50-109	-	67-95	-	NA
o,p'-DDD	96	< 0.01	89	72-106	-	79-100	-	NA
p,p'-DDD	89	< 0.01	86	64-110	-	73-103	-	NA
o,p'-DDT	90	< 0.01	81	62-108	-	77-100	-	NA
p,p'-DDT	97	< 0.01	86	60-105	-	65-99	-	NA
Dieldrin	96	< 0.01	89	59-111	-	71-100	-	NA
Endrin	95	< 0.01	76	41-121	-	59-121	-	NA
Endosulfan I	86	< 0.01	84	62-108	-	71-99	-	NA
Endosulfan II	97	< 0.01	50	19-119	-	52-96	-	NA
Endosulfan Sulf.	105	< 0.01	52	22-121	-	50-97	-	NA
Endrin Aldehyde	99	< 0.01	52	7-89	-	37-78	-	NA
Methoxychlor	103	< 2	96	29-123	-	41-118	-	NA
Aroclor 1242	109	< 0.1	76	60-115	-	72-100	-	NA
Aroclor 1254	110	< 0.1	84	59-119	-	47-111	-	NA
Toxaphene	105	< 5	88	68-111	90	70-118	NA	NA
Tech. Chlordane	107	< 0.1	81	60-107	82	77-105	NA	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL
		M60B SJ31962 02/10/92	M59B SJ31960 02/10/92	M58B SJ31961 02/10/92
PESTICIDES				
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	A	A	A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 9. Quality Assurance Data**

**SAMPLE SET 382** Extracted on March 6, 1992. Including sample numbers SJ32996, SJ32997, SJ32998, SJ32999, and SJ33033 (a Calabassas Landfill well water sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	93	< 0.01	80	61-107	-	60-101	-	NA
beta-BHC	100	< 0.01	86	60-111	-	75-100	-	NA
gamma-BHC	92	< 0.01	76	65-106	-	66-102	-	NA
delta-BHC	91	< 0.01	79	59-105	-	65-98	-	NA
Heptachlor	94	< 0.01	64	36-89	-	41-77	-	NA
Aldrin	96	< 0.01	52	37-86	-	44-77	-	NA
Hepta. Epox. A	94	< 0.01	82	62-113	-	69-106	-	NA
Hepta. Epox. B	94	< 0.01	84	63-113	-	73-104	-	NA
Oxychlordane	100	< 0.01	75	56-109	-	69-99	-	NA
trans-Chlordane	102	< 0.01	80	57-107	-	67-102	-	NA
cis-Chlordane	103	< 0.01	84	60-104	-	68-96	-	NA
trans-Nonachlor	103	< 0.01	78	58-109	-	74-104	-	NA
o,p'-DDE	106	< 0.01	78	49-109	-	66-99	-	NA
p,p'-DDE	98	< 0.01	78	50-109	-	67-95	-	NA
o,p'-DDD	103	< 0.01	89	72-106	-	79-100	-	NA
p,p'-DDD	105	< 0.01	91	64-110	-	73-103	-	NA
o,p'-DDT	107	< 0.01	87	62-108	-	77-100	-	NA
p,p'-DDT	98	< 0.01	84	60-105	-	65-99	-	NA
Dieldrin	99	< 0.01	89	59-111	-	71-100	-	NA
Endrin	106	< 0.01	75	41-121	-	59-121	-	NA
Endosulfan I	103	< 0.01	89	62-108	-	71-99	-	NA
Endosulfan II	98	< 0.01	86	19-119	-	52-96	-	NA
Endosulfan Sulf.	106	< 0.01	91	22-121	-	50-97	-	NA
Endrin Aldehyde	102	< 0.01	65	7-89	-	37-78	-	NA
Methoxychlor	93	< 2	82	29-123	-	41-118	-	NA
Aroclor 1242	111	< 0.1	79	60-115	-	72-100	-	NA
Aroclor 1254	109	< 0.1	76	59-119	-	47-111	-	NA
Toxaphene	104	< 5	91	68-111	95	70-118	0	NA
Tech. Chlordane	106	< 0.1	87	60-107	91	77-105	2	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL	BLNK	SUMP
		M55B SJ32996 02/29/92	M56B SJ32997 02/29/92	M62B SJ32998 02/29/92	---- SJ32999 02/29/92	S7 SJ33033 03/02/92
<b>PESTICIDES</b>						
OP'-DDE	UG/L					0.77
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	2.8
OP'-DDD	UG/L					0.17 B
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	0.04
OP'-DDT	UG/L					< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5	
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	30
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	0.9
TICH	UG/L					34.9
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
TOTAL DETECTED CHLORDANES	UG/L	< 0.01 A	< 0.01 A	< 0.01 A	< 0.01 A	
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	

FOOTNOTES : A-ND = NONE DETECTED B-INTERFERENCE

Table 10. Quality Assurance Data

**SAMPLE SET 383** Extracted on March 10, 1992. Including sample numbers SJ33371 (spiked sample), SJ33118, SJ33119, SJ33120, and SJ33370.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	102	< 0.01	91	61-107	-	60-101	-	NA
beta-BHC	102	< 0.01	81	60-111	-	75-100	-	NA
gamma-BHC	101	< 0.01	95	65-106	-	66-102	-	NA
delta-BHC	106	< 0.01	77	59-105	-	65-98	-	NA
Heptachlor	104	< 0.01	53	36-89	-	41-77	-	NA
Aldrin	104	< 0.01	44	37-86	-	44-77	-	NA
Hepta. Epox. A	100	< 0.01	75	62-113	-	69-106	-	NA
Hepta. Epox. B	99	< 0.01	77	63-113	-	73-104	-	NA
Oxychlordane	98	< 0.01	65	56-109	-	69-99	-	NA
trans-Chlordane	103	< 0.01	70	57-107	-	67-102	-	NA
cis-Chlordane	103	< 0.01	74	60-104	-	68-96	-	NA
trans-Nonachlor	103	< 0.01	69	58-109	-	74-104	-	NA
o,p'-DDE	103	< 0.01	69	49-109	-	66-99	-	NA
p,p'-DDE	102	< 0.01	68	50-109	-	67-95	-	NA
o,p'-DDD	102	< 0.01	82	72-106	-	79-100	-	NA
p,p'-DDD	103	< 0.01	86	64-110	-	73-103	-	NA
o,p'-DDT	104	< 0.01	79	62-108	-	77-100	-	NA
p,p'-DDT	100	< 0.01	78	60-105	-	65-99	-	NA
Dieldrin	103	< 0.01	81	59-111	-	71-100	-	NA
Endrin	114	< 0.01	57	41-121	-	59-121	-	NA
Endosulfan I	104	< 0.01	83	62-108	-	71-99	-	NA
Endosulfan II	102	< 0.01	70	19-119	-	52-96	-	NA
Endosulfan Sulf.	100	< 0.01	72	22-121	-	50-97	-	NA
Endrin Aldehyde	102	< 0.01	75	7-89	-	37-78	-	NA
Methoxychlor	100	< 2	73	29-123	-	41-118	-	NA
Aroclor 1242	97	< 0.1	64	60-115	80	72-100	4	NA
Aroclor 1254	96	< 0.1	83	59-119	71	47-111	34	NA
Toxaphene	107	< 5	77	68-111	-	70-118	-	NA
Tech. Chlordane	104	< 0.1	62	60-107	-	77-105	-	NA

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL	WELL	WELL
		M33B SJ33371 03/05/92	M41A SJ33118 03/03/92	M43A SJ33119 03/03/92	M44A SJ33120 03/03/92	M30B SJ33370 03/05/92
<b>PESTICIDES</b>						
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	0.02	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L		A	A	A	0.01
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

Table 11. Quality Assurance Data

**SAMPLE SET 384** Extracted on March 12, 1992. Including sample numbers SJ33372(spiked sample), SJ33373, SJ33374, and SJ33375.

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	91	< 0.01	75	61-107	70	60-101	16	NA
beta-BHC	99	< 0.01	84	60-111	80	75-100	14	NA
gamma-BHC	92	< 0.01	76	65-106	71	66-102	15	NA
delta-BHC	93	< 0.01	74	59-105	69	65-98	13	NA
Heptachlor	95	< 0.01	63	36-89	60	41-77	11	NA
Aldrin	97	< 0.01	54	37-86	54	44-77	11	NA
Hepta. Epox. A	96	< 0.01	80	62-113	75	69-106	12	NA
Hepta. Epox. B	94	< 0.01	80	63-113	76	73-104	9	NA
Oxychlordane	102	< 0.01	76	56-109	74	69-99	11	NA
trans-Chlordane	102	< 0.01	82	57-107	79	67-102	11	NA
cis-Chlordane	102	< 0.01	86	60-104	81	68-96	11	NA
trans-Nonachlor	104	< 0.01	82	58-109	79	74-104	13	NA
o,p'-DDE	105	< 0.01	80	49-109	79	66-99	12	NA
p,p'-DDE	98	< 0.01	77	50-109	74	67-95	12	NA
o,p'-DDD	104	< 0.01	91	72-106	84	79-100	11	NA
p,p'-DDD	104	< 0.01	91	64-110	83	73-103	13	NA
o,p'-DDT	105	< 0.01	90	62-108	84	77-100	13	NA
p,p'-DDT	100	< 0.01	82	60-105	74	65-99	14	NA
Dieldrin	100	< 0.01	87	59-111	80	71-100	11	NA
Endrin	103	< 0.01	74	41-121	89	59-121	14	NA
Endosulfan I	103	< 0.01	90	62-108	85	71-99	12	NA
Endosulfan II	98	< 0.01	85	19-119	72	52-96	3	NA
Endosulfan Sulf.	99	< 0.01	87	22-121	71	50-97	2	NA
Endrin Aldehyde	98	< 0.01	74	7-89	62	37-78	5	NA
Methoxychlor	92	< 2	71	29-123	65	41-118	15	NA
Aroclor 1242	98	< 0.1	82	60-115	-	72-100	-	NA
Aroclor 1254	98	< 0.1	85	59-119	-	47-111	-	NA
Toxaphene	105	< 5	92	68-111	-	70-118	-	NA
Tech. Chlordane	107	< 0.1	86	60-107	-	77-105	-	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL	WELL
		M33B SJ33372 03/05/92	M32B SJ33373 03/05/92	M34B SJ33374 03/05/92	M32B SJ33375 03/05/92
<b>PESTICIDES</b>					
PP'-DDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	< 0.01 A	< 0.01 A	< 0.01 A	< 0.01 A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 12. Quality Assurance Data**

**SAMPLE SET 387** Extracted on March 20, 1992. Including sample numbers SJ33838, SJ33839, and SJ33840 (another Palos Verdes Landfill well water sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Proc.Std.		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	96	< 0.01	70	61-107	70	60-101	1	NA
beta-BHC	103	< 0.01	88	60-111	89	75-100	0	NA
gamma-BHC	98	< 0.01	86	65-106	88	66-102	6	NA
delta-BHC	96	< 0.01	80	59-105	85	65-98	1	NA
Heptachlor	99	< 0.01	63	36-89	58	41-77	0	NA
Aldrin	97	< 0.01	56	37-86	53	44-77	4	NA
Hepta. Epox. A	101	< 0.01	85	62-113	88	69-106	0	NA
Hepta. Epox. B	98	< 0.01	88	63-113	88	73-104	1	NA
Oxychlordane	105	< 0.01	76	56-109	80	69-99	3	NA
trans-Chlordane	103	< 0.01	80	57-107	88	67-102	2	NA
cis-Chlordane	103	< 0.01	82	60-104	88	68-96	3	NA
trans-Nonachlor	106	< 0.01	79	58-109	87	74-104	2	NA
o,p'-DDE	106	< 0.01	78	49-109	86	66-99	3	NA
p,p'-DDE	101	< 0.01	79	50-109	85	67-95	3	NA
o,p'-DDD	106	< 0.01	88	72-106	91	79-100	2	NA
p,p'-DDD	106	< 0.01	92	64-110	84	73-103	12	NA
o,p'-DDT	108	< 0.01	87	62-108	89	77-100	1	NA
p,p'-DDT	101	< 0.01	84	60-105	76	65-99	14	NA
Dieldrin	102	< 0.01	87	59-111	90	71-100	1	NA
Endrin	94	< 0.01	77	41-121	97	59-121	5	NA
Endosulfan I	109	< 0.01	90	62-108	92	71-99	0	NA
Endosulfan II	100	< 0.01	55	19-119	61	52-96	27	NA
Endosulfan Sulf.	106	< 0.01	58	22-121	51	50-97	17	NA
Endrin Aldehyde	110	< 0.01	57	7-89	54	37-78	11	NA
Methoxychlor	94	< 2	84	29-123	57	41-118	39	NA
Aroclor 1242	114	< 0.1	84	60-115	-	72-100	-	NA
Aroclor 1254	112	< 0.1	83	59-119	-	47-111	-	NA
Toxaphene	97	< 5	81	68-111	-	70-118	-	NA
Tech. Chlordane	95	< 0.1	85	60-107	-	77-105	-	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL
		M38A SJ33838 03/13/92	M39A SJ33839 03/13/92	M35B SJ33840 03/13/92
<b>PESTICIDES</b>				
PP'-DDE	UG/L	< 0.01	0.01	< 0.01
PP'-DDD	UG/L	< 0.01	< 0.01	< 0.01
PP'-DDT	UG/L	< 0.01	< 0.01	< 0.01
ALPHA-BHC	UG/L	< 0.01	< 0.01	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR	UG/L	< 0.01	< 0.01	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.01	< 0.01
ALDRIN	UG/L	< 0.01	< 0.01	< 0.01
DIELDRIN	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN	UG/L	< 0.01	< 0.01	< 0.01
TOXAPHENE	UG/L	< 5	< 5	< 5
AROCLOR 1242	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1254	UG/L	< 0.1	< 0.1	< 0.1
BETA-BHC	UG/L	< 0.01	< 0.01	< 0.01
DELTA-BHC	UG/L	< 0.01	< 0.01	< 0.01
CIS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-CHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TRANS-NONACHLOR	UG/L	< 0.01	< 0.01	< 0.01
OXYCHLORDANE	UG/L	< 0.01	< 0.01	< 0.01
TOTAL DETECTED CHLORDANES	UG/L	< 0.01 A	< 0.01 A	< 0.01 A
ENDOSULFAN I	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN II	UG/L	< 0.01	< 0.01	< 0.01
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.01	< 0.01
ENDRIN ALDEHYDE	UG/L	< 0.01	< 0.01	< 0.01
AROCLOR 1016	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1221	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1232	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1248	UG/L	< 0.1	< 0.1	< 0.1
AROCLOR 1260	UG/L	< 0.1	< 0.1	< 0.1
TECHNICAL CHLORDANE	UG/L	< 0.1	< 0.1	< 0.1

FOOTNOTES : A-ND = NONE DETECTED

**Table 13. Quality Assurance Data**

**SAMPLE SET 391** Extracted on April 7, 1992. Including sample number SJ34775 (a Puente Hills landfill well water sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Proc.Std.		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	100	< 0.01	85	61-107	92	60-101	1	NA
beta-BHC	108	< 0.01	94	60-111	101	75-100	1	NA
gamma-BHC	103	< 0.01	89	65-106	96	66-102	0	NA
delta-BHC	103	< 0.01	87	59-105	96	65-98	1	NA
Heptachlor	104	< 0.01	76	36-89	57	41-77	30	NA
Aldrin	106	< 0.01	62	37-86	75	44-77	2	NA
Hepta. Epox. A	110	< 0.01	101	62-113	108	69-106	0	NA
Hepta. Epox. B	106	< 0.01	99	63-113	105	73-104	0	NA
Oxychlorane	118	< 0.01	98	56-109	110	69-99	3	NA
trans-Chlordane	112	< 0.01	94	57-107	102	67-102	1	NA
cis-Chlordane	106	< 0.01	91	60-104	99	68-96	0	NA
trans-Nonachlor	118	< 0.01	100	58-109	108	74-104	1	NA
o,p'-DDE	111	< 0.01	87	49-109	95	66-99	2	NA
p,p'-DDE	108	< 0.01	90	50-109	100	67-95	1	NA
o,p'-DDD	107	< 0.01	96	72-106	102	79-100	1	NA
p,p'-DDD	107	< 0.01	96	64-110	102	73-103	1	NA
o,p'-DDT	110	< 0.01	95	62-108	100	77-100	1	NA
p,p'-DDT	106	< 0.01	93	60-105	99	65-99	3	NA
Dieldrin	102	< 0.01	94	59-111	87	71-100	16	NA
Endrin	107	< 0.01	95	41-121	109	59-121	20	NA
Endosulfan I	104	< 0.01	92	62-108	95	71-99	1	NA
Endosulfan II	106	< 0.01	99	19-119	29	52-96	161	NA
Endosulfan Sulf.	105	< 0.01	99	22-121	29	50-97	157	NA
Endrin Aldehyde	90	< 0.01	70	7-89	30	37-78	66	NA
Methoxychlor	97	< 2	97	29-123	110	41-118	14	NA
Aroclor 1242	113	< 0.1	82	60-115	-	72-100	-	NA
Aroclor 1254	102	< 0.1	74	59-119	-	47-111	-	NA
Toxaphene	102	< 5	98	68-111	-	70-118	-	NA
Tech. Chlordane	108	< 0.1	93	60-107	-	77-105	-	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

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		SUMP
		S7
		SJ34775
		03/31/92

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## PESTICIDES

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OP'-DDE	UG/L	< 0.01
PP'-DDE	UG/L	0.11
OP'-DDD	UG/L	< 0.01
PP'-DDD	UG/L	< 0.01
OP'-DDT	UG/L	< 0.01
PP'-DDT	UG/L	< 0.01
ALPHA-BHC	UG/L	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01
HEPTACHLOR	UG/L	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01
ALDRIN	UG/L	< 0.01
DIELDRIN	UG/L	< 0.01
ENDRIN	UG/L	< 0.01
AROCLOR 1242	UG/L	3.7
AROCLOR 1254	UG/L	< 0.1
TICH	UG/L	3.81

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**Table 14. Quality Assurance Data**

**SAMPLE SET 401** Extracted on May 12, 1992. Including sample number SJ36936 (a Lancaster Treatment Plant raw influent sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Proc.Std.		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	93	< 0.01	84	61-107	-	60-101	-	NA
beta-BHC	95	< 0.01	90	60-111	-	75-100	-	NA
gamma-BHC	90	< 0.01	85	65-106	-	66-102	-	NA
delta-BHC	91	< 0.01	79	59-105	-	65-98	-	NA
Heptachlor	91	< 0.01	55	36-89	-	41-77	-	NA
Aldrin	92	< 0.01	51	37-86	-	44-77	-	NA
Hepta. Epox. A	99	< 0.01	83	62-113	-	69-106	-	NA
Hepta. Epox. B	96	< 0.01	95	63-113	-	73-104	-	NA
Oxychlordane	104	< 0.01	93	56-109	-	69-99	-	NA
trans-Chlordane	100	< 0.01	90	57-107	-	67-102	-	NA
cis-Chlordane	94	< 0.01	86	60-104	-	68-96	-	NA
trans-Nonachlor	106	< 0.01	95	58-109	-	74-104	-	NA
o,p'-DDE	99	< 0.01	83	49-109	-	66-99	-	NA
p,p'-DDE	96	< 0.01	85	50-109	-	67-95	-	NA
o,p'-DDD	97	< 0.01	94	72-106	-	79-100	-	NA
p,p'-DDD	98	< 0.01	93	64-110	-	73-103	-	NA
o,p'-DDT	102	< 0.01	90	62-108	-	77-100	-	NA
p,p'-DDT	96	< 0.01	88	60-105	-	65-99	-	NA
Dieldrin	91	< 0.01	26	59-111	-	71-100	-	NA
Endrin	98	< 0.01	3	41-121	-	59-121	-	NA
Endosulfan I	91	< 0.01	80	62-108	-	71-99	-	NA
Endosulfan II	96	< 0.01	47	19-119	-	52-96	-	NA
Endosulfan Sulf.	104	< 0.01	41	11-121	-	50-97	-	NA
Endrin Aldehyde	85	< 0.01	6	7-89	-	37-78	-	NA
Methoxychlor	101	< 2	39	29-123	-	41-118	-	NA
Aroclor 1242	96	< 0.1	97	60-115	-	72-100	-	NA
Aroclor 1254	95	< 0.1	95	59-119	-	47-111	-	NA
Toxaphene	116	< 5	99	68-111	85	70-118	4	NA
Tech. Chlordane	108	< 0.1	100	60-107	105	77-105	0	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

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CONSTITUENT/WELL NO.	UNITS	
		SUMP
		S7
		SJ36936
		05/07/92

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PESTICIDES

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OP'-DDE	UG/L	0.01
PP'-DDE	UG/L	0.06
OP'-DDD	UG/L	< 0.01
PP'-DDD	UG/L	< 0.01
OP'-DDT	UG/L	< 0.01
PP'-DDT	UG/L	< 0.01
ALPHA-BHC	UG/L	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01
HEPTACHLOR	UG/L	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01
ALDRIN	UG/L	< 0.01
DIELDRIN	UG/L	< 0.01
ENDRIN	UG/L	< 0.01
AROCLOR 1242	UG/L	1.0
AROCLOR 1254	UG/L	< 0.1
TICH	UG/L	1.07

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**Table 15. Quality Assurance Data**

**SAMPLE SET 409** Extracted on June 5, 1992. Including sample number SJ38159 (a Calabassas Landfill well water sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	100	< 0.01	95	61-107	-	60-101	-	NA
beta-BHC	94	< 0.01	96	60-111	-	75-100	-	NA
gamma-BHC	94	< 0.01	91	65-106	-	66-102	-	NA
delta-BHC	94	< 0.01	95	59-105	-	65-98	-	NA
Heptachlor	88	< 0.01	48	36-89	-	41-77	-	NA
Aldrin	91	< 0.01	37	37-86	-	44-77	-	NA
Hepta. Epox. A	95	< 0.01	90	62-113	-	69-106	-	NA
Hepta. Epox. B	92	< 0.01	89	63-113	-	73-104	-	NA
Oxychlordane	102	< 0.01	75	56-109	-	69-99	-	NA
trans-Chlordane	99	< 0.01	73	57-107	-	67-102	-	NA
cis-Chlordane	92	< 0.01	78	60-104	-	68-96	-	NA
trans-Nonachlor	106	< 0.01	80	58-109	-	74-104	-	NA
o,p'-DDE	103	< 0.01	71	49-109	-	66-99	-	NA
p,p'-DDE	95	< 0.01	73	50-109	-	67-95	-	NA
o,p'-DDD	100	< 0.01	97	72-106	-	79-100	-	NA
p,p'-DDD	102	< 0.01	104	64-110	-	73-103	-	NA
o,p'-DDT	102	< 0.01	86	62-108	-	77-100	-	NA
p,p'-DDT	93	< 0.01	91	60-105	-	65-99	-	NA
Dieldrin	91	< 0.01	88	59-111	-	71-100	-	NA
Endrin	109	< 0.01	96	41-121	-	59-121	-	NA
Endosulfan I	98	< 0.01	84	62-108	-	71-99	-	NA
Endosulfan II	98	< 0.01	96	19-119	-	52-96	-	NA
Endosulfan Sulf.	117	< 0.01	114	22-121	-	50-97	-	NA
Endrin Aldehyde	65	< 0.01	0	7-89	-	37-78	-	NA
Methoxychlor	115	< 2	116	29-123	-	41-118	-	NA
Aroclor 1242	105	< 0.1	72	60-115	82	72-100	6	NA
Aroclor 1254	100	< 0.1	78	59-119	78	47-111	5	NA
Toxaphene	97	< 5	100	68-111	-	70-118	-	NA
Tech. Chlordane	95	< 0.1	73	60-107	-	77-105	-	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

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 SUMP  
 P4  
 SJ38159  
 06/02/92  
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CONSTITUENT/WELL NO.      UNITS

## PESTICIDES

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 PP'-DDE                    UG/L            < 0.01  
 PP'-DDD                    UG/L            < 0.01  
 PP'-DDT                    UG/L            < 0.01  
 ALPHA-BHC                  UG/L            < 0.01  
 LINDANE (GAMMA-BHC)      UG/L            < 0.01  
 HEPTACHLOR                 UG/L            < 0.01  
 HEPTACHLOR EPOXIDE        UG/L            < 0.01  
 ALDRIN                     UG/L            < 0.01  
 DIELDRIN                   UG/L            < 0.01  
 ENDRIN                     UG/L            < 0.01  
 TOXAPHENE                  UG/L            < 5  
 AROCLOR 1242               UG/L            < 0.1  
 AROCLOR 1254               UG/L            < 0.1  
 BETA-BHC                   UG/L            < 0.01  
 DELTA-BHC                  UG/L            < 0.01  
 CIS-CHLORDANE             UG/L            < 0.01  
 TRANS-CHLORDANE          UG/L            < 0.01  
 TRANS-NONACHLOR          UG/L            < 0.01  
 OXYCHLORDANE              UG/L            < 0.01  
 TOTAL DETECTED CHLORDANES UG/L            < 0.01 A  
 ENDOSULFAN I               UG/L            < 0.01  
 ENDOSULFAN II              UG/L            < 0.01  
 ENDOSULFAN SULFATE        UG/L            < 0.01  
 ENDRIN ALDEHYDE           UG/L            < 0.01  
 AROCLOR 1016               UG/L            < 0.1  
 AROCLOR 1221               UG/L            < 0.1  
 AROCLOR 1232               UG/L            < 0.1  
 AROCLOR 1248               UG/L            < 0.1  
 AROCLOR 1260               UG/L            < 0.1  
 TECHNICAL CHLORDANE      UG/L            < 0.1  
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FOOTNOTES : A-ND = NONE DETECTED

**Table 16. Quality Assurance Data**

**SAMPLE SET 420** Extracted on July 6, 1992. Including sample number SJ39656 (a Calabassas Landfill well water sample was spiked).

Component	Ck Std % Rec	Blank ug/L	Accuracy		Accuracy		Precision	
			ProStd % Rec	Accept Limits	Spike % Rec	Accept Limits	RPD	Accept Limits
alpha-BHC	108	< 0.01	91	61-107	-	60-101	-	NA
beta-BHC	103	< 0.01	92	60-111	-	75-100	-	NA
gamma-BHC	109	< 0.01	92	65-106	-	66-102	-	NA
delta-BHC	108	< 0.01	90	59-105	-	65-98	-	NA
Heptachlor	108	< 0.01	66	36-89	-	41-77	-	NA
Aldrin	107	< 0.01	59	37-86	-	44-77	-	NA
Hepta. Epox. A	105	< 0.01	93	62-113	-	69-106	-	NA
Hepta. Epox. B	106	< 0.01	94	63-113	-	73-104	-	NA
Oxychlordane	114	< 0.01	87	56-109	-	69-99	-	NA
trans-Chlordane	108	< 0.01	87	57-107	-	67-102	-	NA
cis-Chlordane	104	< 0.01	86	60-104	-	68-96	-	NA
trans-Nonachlor	118	< 0.01	94	58-109	-	74-104	-	NA
o,p'-DDE	112	< 0.01	85	49-109	-	66-99	-	NA
p,p'-DDE	103	< 0.01	84	50-109	-	67-95	-	NA
o,p'-DDD	108	< 0.01	84	72-106	-	79-100	-	NA
p,p'-DDD	107	< 0.01	95	64-110	-	73-103	-	NA
o,p'-DDT	113	< 0.01	95	62-108	-	77-100	-	NA
p,p'-DDT	105	< 0.01	85	60-105	-	65-99	-	NA
Dieldrin	96	< 0.01	85	59-111	-	71-100	-	NA
Endrin	101	< 0.01	96	41-121	-	59-121	-	NA
Endosulfan I	99	< 0.01	86	62-108	-	71-99	-	NA
Endosulfan II	105	< 0.01	89	19-119	-	52-96	-	NA
Endosulfan Sulf.	108	< 0.01	95	22-121	-	50-97	-	NA
Endrin Aldehyde	82	< 0.01	73	7-89	-	37-78	-	NA
Methoxychlor	97	< 2	80	29-123	-	41-118	-	NA
Aroclor 1242	103	< 0.1	83	60-115	-	72-100	-	NA
Aroclor 1254	103	< 0.1	84	59-119	-	47-111	-	NA
Toxaphene	102	< 5	93	68-111	85	70-118	4	NA
Tech. Chlordane	103	< 0.1	91	60-107	82	77-105	5	NA

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

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		SUMP
		S7
		SJ39656
CONSTITUENT/WELL NO.	UNITS	06/30/92

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## PESTICIDES

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OP'-DDE	UG/L	0.02
PP'-DDE	UG/L	0.07
OP'-DDD	UG/L	< 0.01
PP'-DDD	UG/L	< 0.01
OP'-DDT	UG/L	< 0.01
PP'-DDT	UG/L	< 0.01
ALPHA-BHC	UG/L	< 0.01
LINDANE (GAMMA-BHC)	UG/L	< 0.01
HEPTACHLOR	UG/L	< 0.01
HEPTACHLOR EPOXIDE	UG/L	< 0.01
ALDRIN	UG/L	< 0.01
DIELDRIN	UG/L	< 0.01
ENDRIN	UG/L	< 0.01
AROCLOR 1242	UG/L	1.8
AROCLOR 1254	UG/L	0.1
TICH	UG/L	1.99

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