

PALOS VERDES LANDFILL  
REMEDIAL INVESTIGATION REPORT

APPENDIX A.3.3.1

ANALYTICAL DATA;  
SURFACE WATER AND SEDIMENT SAMPLES

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS1	SS1	SS1	SS1	SW1	SW1	SW1	SW1
		SJ93707	SJ10106	SJ10400	SJ12795	SJ93701	SJ10095	SJ10388	SJ12785
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	03/01/91
<b>GENERAL</b>									
PH	PH	7.00	7.23	7.72	8.01	7.20	7.28	7.75	8.04
CONDUCTIVITY	UMHOS/CM	725	1820	665	900	725	1980	650	910
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	B	2.95	< 0.05	< 0.05	1.88	2.85	< 0.05	< 0.05
SULFATE	MG/L SO4	102	117	54.8	110	119	126	50.0	108
CHLORIDE	MG/L CL	105	541	150	155	120	567	121	155
<b>CATIONS</b>									
CALCIUM	MG/L CA	52.1	68.9	59.3	58.8	50.6	58.3	38	58.7
MAGNESIUM	MG/L MG	19.9	157	60.9	42.3	19.6	142	35	42.5
SODIUM	MG/L NA	62.9	38	25	62.9	62.2	38	23	64.4
POTASSIUM	MG/L K	18	18	16	11	18	12	4.5	12
IRON	MG/L FE	9.59	36.0	67.6	9.64	9.89	2.12	0.8	11.3
MANGANESE	MG/L MN	0.21	0.61	1.08	0.23	0.20	0.11	0.10	0.27
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	3.3	1.9	< 1		3.0	2.5	< 1	
HYDROCARBONS-MODIFIEDB015	MG/L HC	< 0.05 A	< 0.05	0.05	< 0.05		< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	0.007	.0032	.0081	0.005	0.006	.0041	.0038	.0048
BARIUM	MG/L BA	0.21	0.49	0.63	0.16	0.21	0.14	0.10	0.23
CADMIUM	MG/L CD	< 0.01	0.03	0.02	< 0.01	< 0.01	0.02	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	0.04	0.12	0.13	0.03	0.05	0.04	< 0.04	0.03
HEXAVALENT CHROMIUM	MG/L CR	< 0.02				< 0.02			
COBALT	MG/L CO		< 0.04	< 0.04	< 0.04		< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	< 0.04	0.08	0.04	< 0.04	0.04	< 0.04	0.004	< 0.04
MERCURY	MG/L HG	.0002	.0002 D	.0004 D	<.0001	.0001	.0003 D	<.0001 D	<.0001
NICKEL	MG/L NI	0.04	0.19	0.17	0.05	0.04	0.11	< 0.04	0.06
SELENIUM	MG/L SE	0.005	.0006	.0010	.0007	0.003	.0008	<.0005	<.0005
SILVER	MG/L AG	<0.005	0.005	<0.005	<0.005	0.006	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.45	0.77	0.49	0.34	0.48	0.25	0.08	0.37
ANTIMONY	MG/L SB	0.003	< 0.03	< 0.03	< 0.03	0.001	< 0.03	< 0.03	< 0.03
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	0.07	0.07	0.03	< 0.02	0.04	< 0.2	0.04
THALLIUM	MG/L TL	< 0.05	< 0.03	< 0.03	< 0.03	< 0.05	< 0.03	< 0.03	< 0.03
VANADIUM	MG/L V	0.06	0.15	0.20	0.04	0.06	< 0.02	< 0.05	0.04

FOOTNOTES : A-CONSTIT NOT ANALYZE B-ANALYST ERROR C-VALUE <MDL, >IDL D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS1	SS1	SS1	SS1	SW1	SW1	SW1	SW1
		SJ93707	SJ10106	SJ10400	SJ12795	SJ93701	SJ10095	SJ10388	SJ12785
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	03/01/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 7.0	1.2	< 0.5	< 1.0				E
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				E
TOLUENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
2-CHLOROETHYLVINYLEETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20
ACENAPHTHYLENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20
ANTHRACENE	UG/L	< 5	< 1	< 5.0	< 10	< 5	< 1	< 5.0	< 10
BENZIDINE	UG/L	< 20	< 62	< 50	< 620	< 20	< 62	< 50	< 620
BENZO(A)ANTHRACENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20
BENZO(A)PYRENE	UG/L	< 5	< 7	< 5.0	< 70	< 5	< 7	< 5.0	< 70

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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PALOS VERDES LANDFILL

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		SS1	SS1	SS1	SS1	SW1	SW1	SW1	SW1	
		SJ93707	SJ10106	SJ10400	SJ12795	SJ93701	SJ10095	SJ10388	SJ12785	
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	03/01/91	
ACID-BASE NEUTRAL EXTRACT										
BENZO(B)FLUORANTHENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
BENZO(G.H.I.)PERYLENE	UG/L	< 5	< 6	< 10	< 60	< 5	< 6	< 10	< 60	
BENZO(K)FLUORANTHENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
BIS(2-CL-ETHOXY)METHANE	UG/L	< 5	< 3	< 10	< 30	< 5	< 3	< 10	< 30	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 5	< 10	< 50	< 5	< 5	< 10	< 50	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 3	< 10	< 30	< 10	< 3	< 10	< 30	
DIETHYLHEXYL PHTHALATE	UG/L	< 3 C	< 4 C	< 20	< 100	< 1 C	< 10	< 20	< 100	
4-BROMOPHENYL PHENYLEETHER	UG/L	< 5	< 9	< 5.0	< 90	< 5	< 9	< 5.0	< 90	
BUTYLBENZYL PHTHALATE	UG/L	< 5	< 3	< 5.0	< 30	< 5	< 3	< 5.0	< 30	
2-CHLORONAPHTHALENE	UG/L	< 5	< 2	< 5.0	< 10	< 5	< 1	< 5.0	< 10	
4-CHLOROPHENYLPHENYLEETHER	UG/L	< 5	< 1	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
CHRYSENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 6	< 10	< 60	< 10	< 6	< 10	< 60	
1,2-DICHLOROBENZENE	UG/L	< 5	< 10	< 5.0	< 100	< 5	< 10	< 5.0	< 100	
1,3-DICHLOROBENZENE	UG/L	< 5	< 10	< 5.0	< 100	< 5	< 10	< 5.0	< 100	
1,4-DICHLOROBENZENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
3,3'-DICHLOROBENZIDINE	UG/L	< 10	< 100	< 50	< 1000	< 10	< 100	< 50	< 1000	
DIETHYL PHTHALATE	UG/L	< 1 C	< 2	< 5.0	< 20	< 0.4 C	< 1 C	< 5.0	< 20	
DIMETHYL PHTHALATE	UG/L	< 5	< 3	< 5.0	< 30	< 5	< 3	< 5.0	< 30	
DI-N-BUTYL PHTHALATE	UG/L	< 5	< 4	< 10	< 40	< 5	< 4	< 10	< 40	
2,4-DINITROTOLUENE	UG/L	< 5	< 3	< 5.0	< 30	< 5	< 3	< 5.0	< 30	
2,6-DINITROTOLUENE	UG/L	< 5	< 5	< 5.0	< 50	< 5	< 5	< 5.0	< 50	
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 5	< 10	< 50	< 5	< 5	< 10	< 50	
1,2-DIPHENYLHYDRAZINE	UG/L	< 5	< 1	< 10	< 10	< 5	< 1	< 10	< 10	
FLUORANTHENE	UG/L	< 6	< 2	< 5.0	< 20	< 6	< 2	< 5.0	< 20	
FLUORENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
HEXACHLOROBENZENE	UG/L	< 5	< 1	< 5.0	< 10	< 5	< 1	< 5.0	< 10	
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 100	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 6	< 100	< 10	< 1000	< 6	< 100	< 10	< 1000	
HEXACHLOROETHANE	UG/L	< 5	< 12	< 5.0	< 120	< 5	< 12	< 5.0	< 120	
INDENO(1,2,3-C,D)PYRENE	UG/L	< 5	< 6	< 10	< 60	< 5	< 6	< 10	< 60	
ISOPHORONE	UG/L	< 1 C	< 3	< 5.0	< 30	< 10	< 3	< 5.0	< 30	
NAPHTHALENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
NITROBENZENE	UG/L	< 6	< 2	< 5.0	< 20	< 6	< 2	< 5.0	< 20	
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 30	< 5.0	< 300	< 5	< 30	< 5.0	< 300	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
PHENANTHRENE	UG/L	< 6	< 1	< 5.0	< 10	< 6	< 1	< 5.0	< 10	
PYRENE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20	
2,3,7,8-TCDD	UG/L	< 10	< 3	< 5.0 A	< 30	< 10	< 3	< 5.0 A	< 30	
2-CHLOROPHENOL	UG/L	< 5	< 8	< 5.0	< 80	< 5	< 8	< 5.0	< 80	
1,2,4-TRICHLOROBENZENE	UG/L	< 5	< 3	< 5.0	< 30	< 5	< 3	< 5.0	< 30	
2,4-DICHLOROPHENOL	UG/L	< 7	< 3	< 5.0	< 30	< 7	< 3	< 5.0	< 30	
2,4-DIMETHYLPHENOL	UG/L	< 5	< 3	< 5.0	< 30	< 5	< 3	< 5.0	< 30	

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## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS1	SS1	SS1	SS1	SW1	SW1	SW1	SW1
		SJ93707	SJ10106	SJ10400	SJ12795	SJ93701	SJ10095	SJ10388	SJ12785
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	03/01/91

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 25	< 39	< 50	< 390	< 25	< 39	< 50	< 390
2-METHYL-4,6DINITROPHENOL	UG/L	< 15	< 17	< 50	< 170	< 15	< 17	< 50	< 170
2-NITROPHENOL	UG/L	< 10	< 5	< 5.0	< 50	< 10	< 5	< 5.0	< 50
4-NITROPHENOL	UG/L	4 C	1 C	< 10	< 60	4 C	6	< 10	< 60
4-CHLORO-3-METHYLPHENOL	UG/L	< 6	< 2	< 5.0	< 20	< 6	< 2	< 5.0	< 20
PENTACHLOROPHENOL	UG/L	< 15	< 16	< 10	< 160	< 15	< 16	< 10	< 160
PHENOL	UG/L	< 5	< 3	< 5.0	< 30	2 C	3	< 5.0	< 30
2,4,6-TRICHLOROPHENOL	UG/L	< 6	< 2	< 5.0	< 20	< 6	< 2	< 5.0	< 20
N-NITROSODIPHENYLAMINE	UG/L	< 5	< 2	< 5.0	< 20	< 5	< 2	< 5.0	< 20

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PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS1	900404 SJ93707	257,301=LB,204=POMR/D VOC'S 4/9/90 C15 MONTGOMERY LABS BNA EXT 04-05-90 INJ 04-13-90 BLANK 812: 1 UG/L
SS1	910103 SJ10106	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SS1	910109 SJ10400	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ARSENIC, ANTIMONY, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS1	910301 SJ12795	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW1	900404 SJ93701	257,301=LB,204=POMR/D BNA EXT 04-05-90 INJ 04-11-90 BLANK B12: 1 UG/L
SW1	910103 SJ10095	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW1	910109 SJ10388	MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW1	910301 SJ12785	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L

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## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS2 SJ10109 01/03/91	SS2 SJ12789 03/01/91	SS2 SJ28606 12/29/91	SS2 SJ30078 01/03/92	SW2 SJ10098 01/03/91	SW2 SJ12779 03/01/91	SW2 SJ28591 12/29/91	SW2 SJ30068 01/03/92
<b>GENERAL</b>									
PH	PH	6.93	7.80	8.12 C	7.19	7.02	7.78	8.12	7.18
CONDUCTIVITY	UMHOS/CM	128	278	1100	138 C	126	298	1100	139 C
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.19	0.50 B	5.70	0.69	1.24	1.37 B	2.46 B	0.76
SULFATE	MG/L SO4	3.0	52 B	278	16	4.0	64 B	238 B	16
CHLORIDE	MG/L CL	14.0	63 B	159	11	15.0	70 B	124 B	11
<b>CATIONS</b>									
CALCIUM	MG/L CA	11.7	65.6	103	17.8	7.7	34.2 D	104 B	11.0
MAGNESIUM	MG/L MG	3.58	27.7	41.8	6.93	2.18	12.8 D	42.0 B	3.14
SODIUM	MG/L NA	8	27.8	73	14	7	29.5 D	73 B	11
POTASSIUM	MG/L K	5	10	8	5	3	8	8 B	4
IRON	MG/L FE	4.28	34.7	1.39	3.26	0.63	8.86	0.79 B	1.38
MANGANESE	MG/L MN	0.08	0.43	0.04	0.05	0.02	0.11	0.03 B	0.02
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	5.0			4.2	34			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	1.1	< 0.05	< 0.05	< 0.05	
<b>METALS</b>									
ARSENIC	MG/L AS	.0018	.0035	.0050	.0022	.0020	0.004	.0048	.0019
BARIUM	MG/L BA	0.10	1.10	0.12	0.06	< 0.02	0.14	0.12 B	0.03
CADMIUM	MG/L CD	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 B	< 0.01
TOTAL CHROMIUM	MG/L CR	< 0.02	0.19	< 0.02	< 0.02	< 0.02	0.04	< 0.02 B	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04 B	< 0.04
LEAD	MG/L PB	0.05	0.12	< 0.04	0.06	< 0.04	< 0.04	< 0.04 B	< 0.04
MERCURY	MG/L HG	.0002	.0002	<.0001	.0001	.0002	.0002	<.0001	<.0001
NICKEL	MG/L NI	< 0.03	0.17	< 0.03	< 0.03	< 0.03	0.04	< 0.03 B	< 0.03
SELENIUM	MG/L SE	.0007	0.001	.0052	<.0005	<.0005	.0009	0.036	<.0005
SILVER	MG/L AG	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005 B	<0.005
ZINC	MG/L ZN	0.22	0.42	0.10	0.15	0.10	0.15	0.09 B	0.06
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 B	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	0.06	0.09	< 0.02	< 0.02	< 0.02	0.09 B	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.02	0.31	0.04	< 0.02	< 0.02	0.09	0.03 B	< 0.02

FOOTNOTES : A-VALUE &lt;MDL, &gt;IDL

B-DUPLICATE SPIKE

C-AVERAGE OF DUPS

D-AMENDED TEST RESULT



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS2	SS2	SS2	SS2	SW2	SW2	SW2	SW2
		SJ10109	SJ12789	SJ28606	SJ30078	SJ10098	SJ12779	SJ28591	SJ30068
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 1.0	< 0.5	< 1.0	< 5.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 0.5	1.1	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	0.4 D	< 0.5				
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	0.6	9.4	0.5				
TOLUENE	UG/L	0.6	1.6	6.3	0.7				
ETHYL BENZENE	UG/L	< 0.5	1.0	1.5	0.4				
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	3.0	< 0.3				
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-VALUE <MDL, >IDL

B-DUPLICATE SPIKE

C-AVERAGE OF DUPS

D-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	
		SS2	SS2	SS2	SS2	SW2	SW2	SW2	SW2	
		SJ10109	SJ12789	SJ28606	SJ30078	SJ10098	SJ12779	SJ28591	SJ30068	
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92	
ACID-BASE NEUTRAL EXTRACT										
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
DIETHYLHEXYL PHTHALATE	UG/L	16	126	< 10	8 A	4 A	< 100	2 A	8 A	
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9	
BUTYLBENZYL PHTHALATE	UG/L	1 A	< 30	< 3	1 A	< 3	< 30	< 3	1 A	
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
1,2-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
1,3-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
1,4-DICHLOROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100	
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	< 4	< 40	< 4	1 A	
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	1 A	
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
FLUORANTHENE	UG/L	1 A	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
HEXACHLOROENZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
HEXACHLOROBTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
HEXACHLOROCCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100	
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12	
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
NITROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8	
1,2,4-TRICHLOROBENZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	

FOOTNOTES : A-VALUE <MDL, >IDL

B-DUPLICATE SPIKE

C-AVERAGE OF DUPS

D-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS2	SS2	SS2	SS2	SW2	SW2	SW2	SW2
		SJ10109	SJ12789	SJ28606	SJ30078	SJ10098	SJ12779	SJ28591	SJ30068
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
<b>ACID-BASE NEUTRAL EXTRACT</b>									
2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
4-NITROPHENOL	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 1 A
PHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2

FOOTNOTES : A-VALUE <MDL, >IDL B-DUPLICATE SPIKE C-AVERAGE OF DUPS D-AMENDED TEST RESULT

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS2	910103 SJ10109	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SS2	910301 SJ12789	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L
SS2	911229 SJ28606	C15=MODIFIED 8015 EQUIVALENT FOOTNOTE 42: VINYL CHLORIDE VALUE < MDL OF 0.5 UG/L VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-09-92 BNA MI NOT CONFIRMED. REINJ RESULT REPORTED
SS2	920103 SJ30078	C15 ANALYZED BY MONTGOMERY HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-15-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW2	910103 SJ10098	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW2	910301 SJ12779	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-15-91 INJ 03-29-91 BLANK 855: 1 UG/L RE-EXTRACTED BNA SAMPLE; RESET EXCEEDS HOLDING TIME.
SW2	911229 SJ28591	C15 = MODIFIED 8015 EQUIVALENT, HIGH BOILING POINT HYDROCARBONS BNA EXT 12-31-91 INJ 01-07-92
SW2	920103 SJ30068	BNA EXT 01-06-92 INJ 01-31-92 B

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS3 SJ10110 01/03/91	SS3 SJ12790 03/01/91	SS3 SJ28607 12/29/91	SS3 SJ30062 01/03/92	SW3 SJ10099 01/03/91	SW3 SJ12780 03/01/91	SW3 SJ28592 12/29/91	SW3 SJ30059 01/03/92
<b>GENERAL</b>									
PH	PH	7.90	8.08	8.09	7.74 A	8.00	8.05 A	8.09	7.70
CONDUCTIVITY	UMHOS/CM	488	95.0	233	477	375	198	233	475
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	0.56	< 0.05	2.60	1.34	0.22	< 0.05	0.99	1.32
SULFATE	MG/L SO4	1.0	7	35	29	5.0	6	30	29
CHLORIDE	MG/L CL	134	25	64	102	91.0	24	46	100
<b>CATIONS</b>									
CALCIUM	MG/L CA	90.1	75.4	106	162	53.9	54.5	37.9	85.0
MAGNESIUM	MG/L MG	36.2	62.0	71.2	100	14.6	42.3	14.0	28.7
SODIUM	MG/L NA	13	18.2	21	21	8	17.6	15	19
POTASSIUM	MG/L K	26	31	40	50	14	24	15	23
IRON	MG/L FE	57.8	122	141	211	28.2	93.3	30.8	58.7
MANGANESE	MG/L MN	1.34	2.48	2.59	4.04	0.68	1.86	0.59	1.12
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	< 1			1.4	< 1			
HYDROCARBONS-MODIFIEDB015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
<b>METALS</b>									
ARSENIC	MG/L AS	.0067	.0066	.0058	.0053	<.0005	.0070	.0063	.0049
BARIUM	MG/L BA	0.91	1.36	1.78	2.70	0.47	1.07	0.46	0.88
CADMIUM	MG/L CD	0.01	0.03	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01
TOTAL CHROMIUM	MG/L CR	0.08	0.23	0.21	0.32	0.05	0.19	0.05	0.10
COBALT	MG/L CO	< 0.04	0.09	0.06	0.11	< 0.04	0.06	< 0.04	< 0.04
LEAD	MG/L PB	< 0.04	0.06	0.06	0.05	< 0.04	< 0.04	< 0.04	< 0.04
MERCURY	MG/L HG	.0011	.0003	.0005	.0006	.0007	.0006	<.0001	.0006
NICKEL	MG/L NI	0.10	0.26	0.15	0.24	0.05	0.20	< 0.03	0.06
SELENIUM	MG/L SE	<.0005	.0007	<.0005	.0007	<.0005	.0009	0.016	.0006
SILVER	MG/L AG	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005
ZINC	MG/L ZN	0.21	0.55	0.61	0.92	0.12	0.42	0.16	0.27
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	0.06	0.12	< 0.02	< 0.02	0.03	0.10	< 0.02	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.17	0.39	0.49	0.69	0.08	0.32	0.11	0.21

FOOTNOTES : A-AVERAGE OF DUPS B-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS3	SS3	SS3	SS3	SW3	SW3	SW3	SW3
		SJ10110	SJ12790	SJ28607	SJ30062	SJ10099	SJ12780	SJ28592	SJ30059
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	1.1	< 2.5	< 5.0	< 5.0				
CHLOROFORM	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
O-DICHLOROENZENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
M-DICHLOROENZENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
P-DICHLOROENZENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
TOLUENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
ETHYL BENZENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 15	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 15	< 2.5	< 2.5				
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 5.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 15	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 1.5	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 2.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 1.5	< 0.3	< 0.3				
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-AVERAGE OF DUPS

B-VALUE <MDL, >IDL

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS3 SJ10110 01/03/91	SS3 SJ12790 03/01/91	SS3 SJ28607 12/29/91	SS3 SJ30062 01/03/92	SW3 SJ10099 01/03/91	SW3 SJ12780 03/01/91	SW3 SJ28592 12/29/91	SW3 SJ30059 01/03/92
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DIETHYLHEXYL PHTHALATE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
1,2-DICHLOROBEZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,3-DICHLOROBEZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,4-DICHLOROBEZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
3,3'-DICHLOROBEZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	< 4	< 40	< 4	< 4
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
HEXACHLOROBEZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
NITROBEZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8
1,2,4-TRICHLOROBEZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3

FOOTNOTES : A-AVERAGE OF DUPS

B-VALUE &lt;MDL, &gt;IDL



## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS3	SS3	SS3	SS3	SW3	SW3	SW3	SW3
		SJ10110	SJ12790	SJ28607	SJ30062	SJ10099	SJ12780	SJ28592	SJ30059
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
4-NITROPHENOL	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 16
PHENOL	UG/L	< 3	< 30	< 3	< 2 B	< 1 B	< 20 B	< 3	< 2 B
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2

FOOTNOTES : A-AVERAGE OF DUPS

B-VALUE &lt;MDL, &gt;IDL

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS3	910103 SJ10110	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-16-91 BLANK 855:            3 UG/L
SS3	910301 SJ12790	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-23-91
SS3	911229 SJ28607	C15=MODIFIED 8015 EQUIVALENT VOC's 1/3/92 BNA EXT 12-31-91 INJ 01-09-92
SS3	920103 SJ30062	C15 ANALYZED BY MONTGOMERY LABS FOR HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-14-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW3	910103 SJ10099	MONGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW3	910301 SJ12780	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L
SW3	911229 SJ28592	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92 BNA TO BE REINJ BNA MI CONFIRMED, APPROX. VALUE REPORTED
SW3	920103 SJ30059	BNA EXT 01-06-92 INJ 01-14-92 B

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS4 SJ10111 01/03/91	SS4 SJ12791 03/01/91	SS4 SJ28608 12/29/91	SS4 SJ30075 01/03/92	SW4 SJ10100 01/03/91	SW4 SJ12781 03/01/91	SW4 SJ28593 12/29/91	SW4 SJ30065 01/03/92
<b>GENERAL</b>									
PH	PH	6.95	8.00	7.93	7.42	7.10	8.02	8.02	7.21
CONDUCTIVITY	UMHOS/CM	170	95.0	108	187	174	100	102	192
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.32	< 0.05	2.13	1.00	1.32	0.09	0.58	1.09
SULFATE	MG/L SO4	11.0	6	27	24	10.0	11	12	23
CHLORIDE	MG/L CL	20.0	11	33	18	18.0	12	13	18
<b>CATIONS</b>									
CALCIUM	MG/L CA	14.5	29.3	20.6	23.8	13.7	18.5	11.9	< 0.2
MAGNESIUM	MG/L MG	5.58	16.1	12.8	11.5	4.58	9.68	5.47	0.2
SODIUM	MG/L NA	8	8.84	12	12	8	8.26	9	27
POTASSIUM	MG/L K	6	9	8	7	5	6	4	5
IRON	MG/L FE	6.75	39.4	27.0	22.5	3.13	21.8	11.4	6.71
MANGANESE	MG/L MN	0.12	0.49	0.42	0.33	0.08	0.25	0.17	0.09
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	1.9			3.1	2.5			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
<b>METALS</b>									
ARSENIC	MG/L AS	.0042	.0036	.0021	.0023	.0043	.0036	.0021	.0018
BARIUM	MG/L BA	0.13	0.70	0.38	0.38	0.07	0.38	0.16	0.11
CADMIUM	MG/L CD	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL CHROMIUM	MG/L CR	< 0.02	0.14	0.06	0.06	< 0.02	0.08	0.03	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
LEAD	MG/L PB	< 0.04	0.04	< 0.04	0.07	< 0.04	< 0.04	< 0.04	< 0.04
MERCURY	MG/L HG	<.0001	.0006	.0001	.0002	.0003	.0008	<.0001	.0001
NICKEL	MG/L NI	< 0.03	0.12	< 0.03	0.03	< 0.03	0.07	< 0.03	< 0.03
SELENIUM	MG/L SE	<.0005	A <.0005	<.0005	<.0005	.0007	.0006	<.0005	<.0005
SILVER	MG/L AG	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005
ZINC	MG/L ZN	0.32	0.56	0.15	0.27	0.28	0.29	0.06	0.08
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	0.007	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	0.05	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.04	0.21	0.10	0.11	0.02	0.12	0.04	0.03

FOOTNOTES : A-DUP &amp; SPIKE

B-VALUE &lt;MDL, &gt;IDL

C-DUPLICATE SPIKE

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN SS4 SJ10111 01/03/91	RUN SS4 SJ12791 03/01/91	RUN SS4 SJ28608 12/29/91	RUN SS4 SJ30075 01/03/92	RUN SW4 SJ10100 01/03/91	RUN SW4 SJ12781 03/01/91	RUN SW4 SJ28593 12/29/91	RUN SW4 SJ30065 01/03/92
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VOLATILE ORGANIC COMPOUND

VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 5.0	< 2.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	0.6
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.5	< 1.0	< 0.3	< 0.3
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5
2-CHLOROETHYL VINYL ETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3

ACID-BASE NEUTRAL EXTRACT

ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-DUP & SPIKE

B-VALUE <MDL, >IDL C-DUPLICATE SPIKE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	
		SS4	SS4	SS4	SS4	SW4	SW4	SW4	SW4	
		SJ10111	SJ12791	SJ28608	SJ30075	SJ10100	SJ12781	SJ28593	SJ30065	
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92	
ACID-BASE NEUTRAL EXTRACT										
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
DIETHYLHEXYL PHTHALATE	UG/L	5 B	52 B	1 B	6 B	10	23 B	10	7 B	
4-BROMOPHENYL PHENYLEETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9	
BUTYLBENZYL PHTHALATE	UG/L	2 B	< 30	< 3	3	2 B	< 30	< 3	3	
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
4-CHLOROPHENYLPHENYLEETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
1,2-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
1,3-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
1,4-DICHLOROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100	
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	< 4	< 40	< 4	< 4	
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
HEXACHLOROBENZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100	
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12	
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6	
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
NITROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1	
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8	
1,2,4-TRICHLOROBENZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3	

FOOTNOTES : A-DUP & SPIKE

B-VALUE <MDL, >IDL

C-DUPLICATE SPIKE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	
		SS4	SS4	SS4	SS4	SW4	SW4	SW4	SW4	
		SJ10111	SJ12791	SJ28608	SJ30075	SJ10100	SJ12781	SJ28593	SJ30065	
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92	
<b>ACID-BASE NEUTRAL EXTRACT</b>										
2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39	
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17	
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
4-NITROPHENOL	UG/L	< 6	< 60	< 6	< 2 B	< 3 B	< 60	< 6	< 6	
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 16	
PHENOL	UG/L	< 3	< 30	< 3	< 3	< 1 B	< 30	< 3	< 2 B	
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	

FOOTNOTES : A-DUP &amp; SPIKE

B-VALUE &lt;MDL, &gt;IDL

C-OUPLICATE SPIKE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS4	910103 SJ10111	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-17-91 BLANK 855: 3 UG/L
SS4	910301 SJ12791	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L
SS4	911229 SJ28608	C15= MODIFIED 8015 EQUIVALENT VOC's 1/3/92 BNA EXT 12-31-91 INJ 01-09-92
SS4	920103 SJ30075	C15 ANALYZED BY MONTGOMERY LABS FOR HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-15-92



PALOS VERDES LANDFILL DPRIR  
LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW4	910103 SJ10100	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW4	910301 SJ12781	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL 101,151,403,155,301,257=LB BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L
SW4	911229 SJ28593	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92
SW4	920103 SJ30065	BNA EXT 01-06-92 INJ 01-14-92 BNA FOOTNOTE: #35

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS5 SJ10112 01/03/91	SS5 SJ12792 03/01/91	SS5 SJ28609 12/29/91	SS5 SJ30071 01/03/92	SW5 SJ10101 01/03/91	SW5 SJ12782 03/01/91	SW5 SJ28594 12/29/91	SW5 SJ30073 01/03/92
<b>GENERAL</b>									
PH	PH	6.92	7.53	7.77	7.54	7.05	7.66	7.69	7.48 B
CONDUCTIVITY	UMHOS/CM	158	925	464	286	160	815	449 B	289
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.75	3.27	3.67	2.22	2.58	3.24	2.96	0.92
SULFATE	MG/L SO4	4.0	156	101	54	5.00	145	84	57
CHLORIDE	MG/L CL	17.0	129	74	20	18.0	131	53	20
<b>CATIONS</b>									
CALCIUM	MG/L CA	14.9	62.9	36.4	1.57	9.5	65.2	31.4	21.3
MAGNESIUM	MG/L MG	4.58	22.8	13.9	9.58	2.58	24.2	11.5	8.62
SODIUM	MG/L NA	11	80.1	41	13	10	76.1	39	13
POTASSIUM	MG/L K	7	7	7	6	5	8	6	5
IRON	MG/L FE	5.10	1.28	4.06	4.09	0.71	1.24	0.97	1.88
MANGANESE	MG/L MN	0.08	0.03	0.06	0.06	0.03	0.04	0.02	0.03
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	3.2			3.9	3.6			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	0.37	< 0.05	< 0.05	< 0.05	
<b>METALS</b>									
ARSENIC	MG/L AS	.0027	.0035	.0012	.0023	.0027	.0032	.0030	.0022
BARIUM	MG/L BA	0.12	0.07	0.11	0.08	0.03	0.07	0.04	0.04
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL CHROMIUM	MG/L CR	< 0.02	0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
LEAD	MG/L PB	0.04	< 0.04	< 0.04	0.04	< 0.04	< 0.04	< 0.04	0.04
MERCURY	MG/L HG	.0002	.0007	<.0001	<.0001	.0002	.0002	<.0001	<.0001
NICKEL	MG/L NI	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SELENIUM	MG/L SE	<.0005	.0005	.0016	.0008	<.0005	.0007	<.0005	<.0005
SILVER	MG/L AG	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ZINC	MG/L ZN	0.17	0.13	0.15	0.17	0.10	0.14	0.12	0.12
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.04	0.03	0.03	< 0.02	< 0.02	0.04	< 0.02	< 0.02

FOOTNOTES : A-VALUE &lt;MDL, &gt;IDL

B-AVERAGE OF DUPS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS5	SS5	SS5	SS5	SW5	SW5	SW5	SW5
		SJ10112	SJ12792	SJ28609	SJ30071	SJ10101	SJ12782	SJ28594	SJ30073
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0	< 5.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	< 1.0	< 0.3	< 0.3				
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	0.4				
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-VALUE <MDL, >IDL

B-AVERAGE OF DUPS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS5	SS5	SS5	SS5	SW5	SW5	SW5	SW5
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(G.H.I.)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DIETHYLHEXYL PHTHALATE	UG/L	9 A	12 A	10	6 A	2 A	13 A	3 A	7 A
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9
BUTYLBENZYL PHTHALATE	UG/L	1 A	< 30	< 3	< 3	1 A	< 30	< 3	< 3
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
1,2-DICHLOROBEZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,3-DICHLOROBEZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,4-DICHLOROBEZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
3,3'-DICHLOROBEZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	2 A	< 40	< 4	< 4
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
HEXACHLOROBEZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
NITROBEZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8
1,2,4-TRICHLOROBEZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3

FOOTNOTES : A-VALUE <MDL, >IDL B-AVERAGE OF DUPS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS5	SS5	SS5	SS5	SW5	SW5	SW5	SW5
		SJ10112	SJ12792	SJ28609	SJ30071	SJ10101	SJ12782	SJ28594	SJ30073
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
4-NITROPHENOL	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	2 A
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 16
PHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2

FOOTNOTES : A-VALUE <MDL, >IDL B-AVERAGE OF DUPS

## PALOS VERDES LANDFILL DPRIR

## LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS5	910103 SJ10112	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-17-91 BLANK 855: 3 UG/L
SS5	910301 SJ12792	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L
SS5	911229 SJ28609	C15= MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-09-92
SS5	920103 SJ30071	C15 ANALYZED BY MONTGOMERY LABS FOR HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-15-92

PALOS VERDES LANDFILL DPRIR  
LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES	
SW5	910103 SJ10101	BCA LABS, WASTERWATER SAMPLES MONTGOMERY LABS M8015 BNA EXT 01-08-91 INJ 01-16-91 BLANK 855:	3 UG/L
SW5	910301 SJ12782	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855:	2 UG/L
SW5	911229 SJ28594	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92	
SW5	920103 SJ30073	BNA EXT 01-06-92 INJ 01-15-92 B	

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS6 SJ10403 01/09/91	SS6 SJ12703 02/27/91	SS6 SJ13277 03/13/91	SS6 SJ28610 12/29/91	SW6 SJ10391 01/09/91	SW6 SJ12694 02/27/91	SW6 SJ13269 03/13/91	SW6 SJ28595 12/29/91
<b>GENERAL</b>									
PH	PH	7.49 A	7.40		B 7.82	7.80	7.42		B 7.82
CONDUCTIVITY	UMHOS/CM	323	272		B 567	301	280		B 560
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	0.83	1.27		B 3.33	0.78	1.38 D		B 1.64
SULFATE	MG/L SO4	39	38		B 139	33.0	41 D		B 118
CHLORIDE	MG/L CL	40	25		B 93	30.0	28 D		B 71
<b>CATIONS</b>									
CALCIUM	MG/L CA	30.2	23.7	19	77.3	23	23.7	16	35.4
MAGNESIUM	MG/L MG	11.4	7.29	7.3	40.8	4.9	7.34	5.0	14.5
SODIUM	MG/L NA	25	21.6	9.3	56	21	21.7	8.7	43
POTASSIUM	MG/L K	10	5	5.1	20	4.1	5	3.6	8
IRON	MG/L FE	20.8	7.46	13	65.4	0.5	7.62	6.9	14.6
MANGANESE	MG/L MN	0.33	0.12	0.24	1.02	0.08	0.12	0.14	0.21
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	5.3				4.9 D			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0092	.0057	0.007	.0042	.0051	0.005	0.005	.0097
BARIUM	MG/L BA	0.38	0.12	0.23	0.99	0.13	0.12	0.13	0.22
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	0.06	0.02	< 0.04	0.13	< 0.04	0.02	< 0.04	0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	0.04	< 0.04	0.029	0.06	0.012	< 0.04	0.021	< 0.04
MERCURY	MG/L HG	.0001	.0003	<.0005	.0001	<.0001	.0002	<.0005	<.0001
NICKEL	MG/L NI	0.06	< 0.03	0.04	0.09	< 0.04	< 0.03	< 0.04	< 0.03
SELENIUM	MG/L SE	.0015	.0007	<0.004	.0013	.0007	<.0005	<0.004	.0007
SILVER	MG/L AG	<0.005	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.32	0.13	0.27	0.49	0.13	0.09	0.16	0.12
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	0.03	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	.0015	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	0.11	0.04	< 0.05	0.28	< 0.05	0.04	< 0.05	0.06

FOOTNOTES : A-AVERAGE OF DUPS

B-CONSTIT NOT ANALYZE C-VALUE &lt;MDL, &gt;IDL

D-DUPLICATE SPIKE

E-INSUFFICIENT SAMPLE



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS6 SJ10403 01/09/91	SS6 SJ12703 02/27/91	SS6 SJ13277 03/13/91	SS6 SJ28610 12/29/91	SW6 SJ10391 01/09/91	SW6 SJ12694 02/27/91	SW6 SJ13269 03/13/91	SW6 SJ28595 12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 1.0	< 1.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BENZENE	UG/L	< 0.5	0.9	< 0.3	< 0.3	E			E
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	E			E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5	E			E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 62
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.0	< 70	< 70	< 7

FOOTNOTES : A-AVERAGE OF DUPS B-CONSTIT NOT ANALYZE C-VALUE <MDL, >IDL D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS6 SJ10403 01/09/91	SS6 SJ12703 02/27/91	SS6 SJ13277 03/13/91	SS6 SJ28610 12/29/91	SW6 SJ10391 01/09/91	SW6 SJ12694 02/27/91	SW6 SJ13269 03/13/91	SW6 SJ28595 12/29/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(G.H.I.)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
DIETHYLHEXYL PHTHALATE	UG/L	< 20	10 C	90 C	< 10	< 20	8 C	< 100	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 5.0	< 90	< 90	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 100
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 4
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 1
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
HEXACHLOROENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 100
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
2,3,7,8-TCDD	UG/L		B < 30	< 30	< 3	B < 30	< 30	< 30	< 3
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3

FOOTNOTES : A-AVERAGE OF DUPS      B-CONSTIT NOT ANALYZE      C-VALUE <MDL, >IDL      D-DUPLICATE SPIKE      E-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS6	SS6	SS6	SS6	SW6	SW6	SW6	SW6
		SJ10403	SJ12703	SJ13277	SJ28610	SJ10391	SJ12694	SJ13269	SJ28595
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17		B < 170	< 170	< 17
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2		B < 20	< 20	< 2
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 10	< 160	< 160	< 16
PHENOL	UG/L	< 5.0	< 30	19 C	< 3	< 5.0	< 30	< 30	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2

FOOTNOTES : A-AVERAGE OF DUPS      B-CONSTIT NOT ANALYZE      C-VALUE <MDL, >IDL      D-DUPLICATE SPIKE      E-INSUFFICIENT SAMPLE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS6	910109 SJ10403	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ARSENIC AND SELENIUM BCA LABS, ANTIMONY =<0.03MG/L AND THALLIUM=<0.03MG/L BNA'S MONTGOMERY LABS VOC's 1/11/91
SS6	910227 SJ12703	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SS6	910313 SJ13277	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 04-02-91 BLANK 855: 1 UG/L
SS6	911229 SJ28610	C15=MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-09-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW6	910109 SJ10391	MONTGOMERY LABS, 2,3,7,8-TCDD, 2-METHYL-4,6DINITROPHENOL, 4-CHLORO-3-METHYLPHENOL ARE NOT ANALYZED ON ANALYSIS REPORT DATED 1/21/91 4,6-DINITRO-O-CRESOL=<50UG/L ; P-CHLORO-M-CRESOL=<5.0UG/L MONGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES
SW6	910227 SJ12694	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,7020,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SW6	910313 SJ13269	VOC'S- NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-27-91 BLANK 855: 1 UG/L
SW6	911229 SJ28595	C15= MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS7 SJ10404 01/09/91	SS7 SJ12704 02/27/91	SS7 SJ13278 03/13/91	SS7 SJ28611 12/29/91	SW7 SJ10392 01/09/91	SW7 SJ12695 02/27/91	SW7 SJ13270 03/13/91	SW7 SJ28596 12/29/91
<b>GENERAL</b>									
PH	PH	7.65	7.21	A	7.82	7.80	7.24 D	A	7.76 D
CONDUCTIVITY	UMHOS/CM	340	306	A	760	375	304	A	725
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	0.66	0.86	A	5.18 B	0.96	1.33	A	1.33
SULFATE	MG/L SO4	57	45	A	198 B	62.0	48	A	174
CHLORIDE	MG/L CL	40	20	A	125 B	24.0	23	A	100
<b>CATIONS</b>									
CALCIUM	MG/L CA	66.9	27.8	71	97.4	69	28.0	67	55.3
MAGNESIUM	MG/L MG	35.1	8.03	35	46.8	14	8.17	33	20.0
SODIUM	MG/L NA	24	17.1	21	74	25	16.9	23	70
POTASSIUM	MG/L K	22	8	16	22	8.4	9	14	10
IRON	MG/L FE	85.5	7.63	53	63.8	2.8	8.22	51	3.86
MANGANESE	MG/L MN	1.10	0.15	0.97	0.88	0.46	0.15	0.88	0.05
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	4.3				4.3			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	0.023	0.011	0.020	.0065	0.017	0.011	0.025	0.011
BARIUM	MG/L BA	1.36	0.14	0.93	1.12	0.38	0.15	0.89	0.09
CADMIUM	MG/L CD	0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	0.33	0.03	0.13	0.16	< 0.04	0.03	0.13	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	0.11	< 0.04	0.080	0.1	0.046	< 0.04	0.072	< 0.04
MERCURY	MG/L HG	.0006	.0005	<.0005	.0002	<.0001	.0005	<.0005	<.0001
NICKEL	MG/L NI	0.29	< 0.03	0.16	0.12	0.05	0.03	0.12	< 0.03
SELENIUM	MG/L SE	.0063	.0013	<0.004	.0028	.0039	.0012	<0.004	.0023
SILVER	MG/L AG	0.007	0.008	< 0.01	0.006	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.87	0.12	0.61	0.53	0.47	0.14	0.59	0.03
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	0.12	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	0.55	0.05	0.23	0.31	0.07	0.06	0.20	0.02

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-INSUFFICIENT SAMPLE D-AVERAGE OF DUPS E-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS7	SS7	SS7	SS7	SW7	SW7	SW7	SW7
		SJ10404	SJ12704	SJ13278	SJ28611	SJ10392	SJ12695	SJ13270	SJ28596
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
BENZENE	UG/L	< 0.5	0.8	< 0.3	< 0.3	C			C
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C			C
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C			C
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	C			C
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C			C
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5	C			C
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C			C
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C			C
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 62
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.09	< 70	< 70	< 7

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-INSUFFICIENT SAMPLE D-AVERAGE OF DUPS E-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS7	SS7	SS7	SS7	SW7	SW7	SW7	SW7
		SJ10404	SJ12704	SJ13278	SJ28611	SJ10392	SJ12695	SJ13270	SJ28596
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
DIETHYLHEXYL PHTHALATE	UG/L	< 20	< 100	< 100	< 10	< 20	< 100	< 100	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 5.0	< 90	< 90	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 100
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 4
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 1
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 100
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
2,3,7,8-TCDD	UG/L		A < 30	< 30	< 3		A < 30	< 30	< 3
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-INSUFFICIENT SAMPLE D-AVERAGE OF DUPS E-VALUE <MDL, >IDL



## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS7	SS7	SS7	SS7	SW7	SW7	SW7	SW7
		SJ10404	SJ12704	SJ13278	SJ28611	SJ10392	SJ12695	SJ13270	SJ28596
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17		A < 170	< 170	< 17
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2		A < 20	< 20	< 2
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 10	< 160	< 160	< 16
PHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	5 E < 30	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-INSUFFICIENT SAMPLE D-AVERAGE OF DUPS E-VALUE <MDL, >IDL

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS7	910109 SJ10404	257,301=LB BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS MODIFIED 8015 BY MONTGOMERY LABS VOC's 1/11/91
SS7	910227 SJ12704	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SS7	910313 SJ13278	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 03-28-91 BLANK 855: 1 UG/L
SS7	911229 SJ28611	C15=MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-09-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW7	910109 SJ10392	MONTGOMERY LABS, 2,3,7,8-TCDD, 2-METHYL-4,6DINITROPHENOL, AND 4-CHLORO-3-METHYLPHENOL WERE NOT ANALYZED ON ANALYSIS REPORT DATED 1/21/91 4,5-DINITRO-O-CRESOL=<50UG/L; P-CHLORO-M-CRESOL=<5.0UG/L MONTGOMEY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES
SW7	910227 SJ12695	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-12-91 BLANK 812: 1 UG/L
SW7	910313 SJ13270	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-27-91 BLANK 855: 1 UG/L

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
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SW7	911229 SJ28596	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92
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## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS8 SJ10405 01/09/91	SS8 SJ12705 02/27/91	SS8 SJ13279 03/13/91	SS8 SJ28612 12/29/91	SW8 SJ10393 01/09/91	SW8 SJ12696 02/27/91	SW8 SJ13271 03/13/91	SW8 SJ28597 12/29/91
<b>GENERAL</b>									
PH	PH	7.35	7.44	A	7.72	7.60 D	7.40	A	7.69
CONDUCTIVITY	UMHOS/CM	150	135	A	102	153	138	A	107
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.71	1.92 B	A	3.50	1.68	1.69	A	1.75
SULFATE	MG/L SO4	22	15 B	A	30	6.00	15	A	13
CHLORIDE	MG/L CL	10	10 B	A	30	9.00	11	A	8
<b>CATIONS</b>									
CALCIUM	MG/L CA	22.5	14.7	48	38.6	15	15.0	38	11.3
MAGNESIUM	MG/L MG	8.92	2.87	15	17.1	2.3	3.01	12	3.57
SODIUM	MG/L NA	9	5.80	5.5	10	7.6	5.92	5.4	8
POTASSIUM	MG/L K	8	3	5.6	8	2.4	3	4.6	3
IRON	MG/L FE	22.4	2.40	21	27.8	0.3	2.79	18	5.76
MANGANESE	MG/L MN	0.35	0.04	0.42	0.33	0.03	0.05	0.34	0.06
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	9.5				9.8			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0053	.0031	0.006	.0050	.0029	.0027	0.007	.0049
BARIUM	MG/L BA	0.50	0.06	0.67	0.58	0.11	0.06	0.57	0.10
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	0.07	< 0.02	0.05	0.11	< 0.04	< 0.02	0.05	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	0.1	< 0.04	0.084	0.08	0.015	< 0.04	0.077	< 0.04
MERCURY	MG/L HG	.0017	.0002	<.0005	.0002 B	<.0001	.0002 B	<.0005	<.0001
NICKEL	MG/L NI	0.07	< 0.03	0.09	0.08	< 0.04	< 0.03	0.05	< 0.03
SELENIUM	MG/L SE	.0007	.0007	<0.004	.0008	<.0005	.0007	<0.004	.0016
SILVER	MG/L AG	<0.005	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.53	0.11	0.68	0.50	0.14	0.13	0.57	0.11
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	0.03	< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	0.14	< 0.02	0.08	0.23	< 0.05	0.02	0.08	0.04

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-VALUE <MDL, >IDL D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN SS8 SJ10405 01/09/91	RUN SS8 SJ12705 02/27/91	RUN SS8 SJ13279 03/13/91	RUN SS8 SJ28612 12/29/91	RUN SW8 SJ10393 01/09/91	RUN SW8 SJ12696 02/27/91	RUN SW8 SJ13271 03/13/91	RUN SW8 SJ28597 12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 1.0	< 1.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BENZENE	UG/L	< 0.5	< 0.9	< 0.3	< 0.3	E			E
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	E			E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5	E			E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 5
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 310
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.0	< 70	< 70	< 35

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-VALUE <MDL, >IDL D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SSB	SSB	SSB	SSB	SWB	SWB	SWB	SWB
		SJ10405	SJ12705	SJ13279	SJ28612	SJ10393	SJ12696	SJ13271	SJ28597
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 30
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 15
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 25
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 15
DIETHYLHEXYL PHTHALATE	UG/L	< 20	< 100	12 C	4 C	< 20	26 C	21 C	< 50
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 5.0	< 90	< 90	< 45
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 5
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 30
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 50
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 50
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 500
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 20
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 25
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 25
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 5
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 5
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 50
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 500
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 60
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 30
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 150
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 5
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
2,3,7,8-TCDD	UG/L	< 5.0	A < 30	< 30	< 3	A < 30	< 30	< 30	< 15
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 40
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 15

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-VALUE <MDL, >IDL D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS8	SS8	SS8	SS8	SW8	SW8	SW8	SW8
		SJ10405	SJ12705	SJ13279	SJ28612	SJ10393	SJ12696	SJ13271	SJ28597
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 195
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17		A < 170	< 170	< 85
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 25
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 30
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2		A < 20	< 20	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 5.0	< 160	< 160	< 80
PHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	6 C	< 15
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 10

FOOTNOTES : A-CONSTIT NOT ANALYZE B-DUPLICATE SPIKE C-VALUE <MDL, >IDL D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE



PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS8	910109 SJ10405	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(TOTAL 8015) BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS8	910227 SJ12705	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-11-91 BLANK 812: 1 UG/L BNA TO BE RESET TO CONFIRM MATRIX INTERFERENCE. BNA: INSUFFICIENT SAMPLE FOR RESET.
SS8	910313 SJ13279	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 04-02-91 BLANK 855: 1 UG/L
SS8	911229 SJ28612	C15= MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-09-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW8	910109 SJ10393	MONTGOMERY LABS, 2,3,7,8-TCDD, 2-METHYL-4,6DINITROPHENOL, 4-CHLORO-3-METHYLPHENOL ARE NOT ANALYSIS REPORT DATED 1/21/ 91 4,6-DINITRO-O-CRESOL=<50UG/L; P-CHLORO-M-CRESOL=<5.0UG/L MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES
SW8	910227 SJ12696	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SW8	910313 SJ13271	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-27-91 BLANK 855: 1 UG/L
SW8	911229 SJ28597	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS9 SJ10406 01/09/91	SS9 SJ12706 02/27/91	SS9 SJ13280 03/13/91	SS9 SJ28613 12/29/91	SW9 SJ10394 01/09/91	SW9 SJ12697 02/27/91	SW9 SJ13272 03/13/91	SW9 SJ28598 12/29/91
<b>GENERAL</b>									
PH	PH	7.60	7.28 C		B 7.97	7.60	7.31		B 7.95
CONDUCTIVITY	UMHOS/CM	875	263		B 1290	875	259		B 1280
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	0.22 A	2.86		B 24.9	0.32	2.00		B 22.6
SULFATE	MG/L SO4	66	18		B 246	78.0	13		B 225
CHLORIDE	MG/L CL	130	23		B 181	127	16		B 154
<b>CATIONS</b>									
CALCIUM	MG/L CA	55.1	25.8	110	104	52	23.7	100	104
MAGNESIUM	MG/L MG	20.9	7.17	43	36.1	21	6.71	42	35.6
SODIUM	MG/L NA	80	13.6	120	125	80	12.3	120	122
POTASSIUM	MG/L K	7	11	8.4	9	7.0	10	8.5	8
IRON	MG/L FE	1.70	6.44	1.1	1.62	0.3	6.57	1.1	0.44
MANGANESE	MG/L MN	0.17	0.11	0.22	0.08	0.11	0.11	0.22	0.05
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	< 1				< 1			
HYDROCARBONS-MODIFIED	MG/L HC	< 0.05	0.09	< 0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0043	.0046	0.004	.0032	.0042	.0043	0.004	.0043
BARIUM	MG/L BA	0.16	0.16	0.19	0.14	0.13	0.16	0.19	0.11
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	< 0.02	0.04	< 0.04	< 0.02	< 0.02	0.03	< 0.04	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	< 0.04	< 0.04	0.004	< 0.04	< 0.0002	< 0.04	0.003	< 0.04
MERCURY	MG/L HG	.0002	.0002	<.0005	<.0001	<.0001	.0002	<.0005	<.0001
NICKEL	MG/L NI	< 0.03	< 0.03	0.04	< 0.03	< 0.04	< 0.03	< 0.04	< 0.03
SELENIUM	MG/L SE	.0007	.0009	<0.004	.0083	<.0005	F 0.001	<0.004	.0044
SILVER	MG/L AG	<0.005	0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	< 0.02	0.13	0.11	0.03	< 0.02	0.14	0.10	< 0.02
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	< 0.02	< 0.2	0.02	< 0.2	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	< 0.02	0.07	< 0.05	< 0.02	< 0.05	0.07	< 0.05	< 0.02

FOOTNOTES : A-DUPLICATE SPIKE B-CONSTIT NOT ANALYZE C-AVERAGE OF DUPS D-VALUE <MDL, >IDL E-INSUFFICIENT SAMPLE  
F-DUP & SPIKE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS9	SS9	SS9	SS9	SW9	SW9	SW9	SW9
		SJ10406	SJ12706	SJ13280	SJ28613	SJ10394	SJ12697	SJ13272	SJ28598
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BENZENE	UG/L	< 0.5	0.9	< 0.3	< 0.3	E			E
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	E			E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	E			E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5	E			E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	E			E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	E			E
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 62
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.0	< 70	< 70	< 7

FOOTNOTES : A-DUPLICATE SPIKE  
F-DUP & SPIKE

B-CONSTIT NOT ANALYZE

C-AVERAGE OF DUPS

D-VALUE <MDL, >IDL

E-INSUFFICIENT SAMPLE

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS9	SS9	SS9	SS9	SW9	SW9	SW9	SW9
		SJ10406	SJ12706	SJ13280	SJ28613	SJ10394	SJ12697	SJ13272	SJ28598
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
<b>ACID-BASE NEUTRAL EXTRACT</b>									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
DIETHYLHEXYL PHTHALATE	UG/L	< 20	12 D	< 100	< 10	< 20	12 D	< 100	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 5.0	< 90	< 90	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 100
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 4
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 1
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 100
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
2,3,7,8-TCDD	UG/L		B < 30	< 30	< 3		B < 30	< 30	< 3
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3

FOOTNOTES : A-DUPLICATE SPIKE  
F-DUP & SPIKE

B-CONSTIT NOT ANALYZE C-AVERAGE OF DUPS

D-VALUE <MDL, >IDL

E-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS9	SS9	SS9	SS9	SW9	SW9	SW9	SW9
		SJ10406	SJ12706	SJ13280	SJ28613	SJ10394	SJ12697	SJ13272	SJ28598
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17	< 50	< 170	< 170	< 17
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 10	< 160	< 160	< 16
PHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2

FOOTNOTES : A-DUPLICATE SPIKE  
F-DUP & SPIKE

B-CONSTIT NOT ANALYZE C-AVERAGE OF DUPS

D-VALUE <MDL, >IDL

E-INSUFFICIENT SAMPLE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS9	910109 SJ10406	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS9	910227 SJ12706	TOTAL HYDROCARBONS:MONTGOMERY LABS/ESTIMATE. SAMPLE CHROMATOGRAM CONTAINS A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SS9	910313 SJ13280	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 03-28-91 BLANK 855: 1 UG/L FOOTNOTE 35: "DUPLICATE SPIKE", TEST CODES: 800-857
SS9	911229 SJ28613	C15= MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-14-92

## PALOS VERDES LANDFILL DPRIR

## LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW9	910109 SJ10394	MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW9	910227 SJ12697	TOTAL HYDROCARBONS: MONTGOMERY LABS/ ESTIMATE. SAMPLE CHROMATOGRAM CONTAINS A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. 705,720,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SW9	910313 SJ13272	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-28-91 BLANK 855: 1 UG/L
SW9	911229 SJ28598	C15= MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS10	SS10	SS10	SS10	SW10	SW10	SW10	SW10
		SJ10407	SJ12707	SJ13281	SJ28614	SJ10395	SJ12698	SJ13273	SJ28599
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
<b>GENERAL</b>									
PH	PH	7.72	7.53	B	7.96	7.70	7.54	B	7.96
CONDUCTIVITY	UMHOS/CM	1350 A	560 A	B	1030	1340	585	B	1020
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	< 0.05	2.91	B	2.79	< 0.05	2.32	B	0.68
SULFATE	MG/L SO4	69	16	B	169	65.0	54	B	151
CHLORIDE	MG/L CL	255	23	B	218	262	70	B	190
<b>CATIONS</b>									
CALCIUM	MG/L CA	49.1	30.3	42	45.5	42	28.6	42	37.9
MAGNESIUM	MG/L MG	30.1	12.3	27	31.5	25	10.6	26	26.6
SODIUM	MG/L NA	174	47.7	120	142	150	38.5	120	137
POTASSIUM	MG/L K	18	29	9.6	13	16	31	8.6	11
IRON	MG/L FE	7.53	2.79	2.9	14.3	0.7	2.60	3.1	1.35
MANGANESE	MG/L MN	0.61	0.16	0.14	0.34	0.31	0.15	0.13	0.05
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	< 1				< 1			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	0.07	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0051	.0057	0.004	.0022	.0040	.0064	0.003	.0035
BARIUM	MG/L BA	0.31	0.11	0.23	0.45	0.12	0.09	0.23	0.14
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	0.03	< 0.02	< 0.04	0.06	< 0.04	< 0.02	< 0.04	< 0.02
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	< 0.04	< 0.04	0.006	0.04	< 0.002	< 0.04	0.002	< 0.04
MERCURY	MG/L HG	<.0001	<.0001	<.0005	<.0001	.0001	<.0001	<.0005	<.0001
NICKEL	MG/L NI	0.05	< 0.03	< 0.04	0.04	< 0.04	< 0.04	< 0.04	< 0.03
SELENIUM	MG/L SE	.0010	0.001	<0.004	.0037	.0006	.0015	<0.004	.0036
SILVER	MG/L AG	<0.005	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.04	0.04	< 0.02	0.10	< 0.02	0.05	< 0.02	< 0.02
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	0.08	0.02	< 0.2	0.02	< 0.2	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	0.05	0.03	< 0.05	0.13	< 0.05	0.03	< 0.05	< 0.02

FOOTNOTES : A-AVERAGE OF DUPS B-CONSTIT NOT ANALYZE C-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS10	SS10	SS10	SS10	SW10	SW10	SW10	SW10
		SJ10407	SJ12707	SJ13281	SJ28614	SJ10395	SJ12698	SJ13273	SJ28599
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	1.0	< 0.3	< 0.3				
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
2-CHLOROETHYLVINYLETHYLENE	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 62
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.0	< 70	< 70	< 7

FOOTNOTES : A-AVERAGE OF DUPS B-CONSTIT NOT ANALYZE C-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS10	SS10	SS10	SS10	SW10	SW10	SW10	SW10
		SJ10407	SJ12707	SJ13281	SJ28614	SJ10395	SJ12698	SJ13273	SJ28599
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
<b>ACID-BASE NEUTRAL EXTRACT</b>									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(G,H,I.)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
DIETHYLHEXYL PHTHALATE	UG/L	< 20	< 100	< 100	< 10	< 20	< 100	< 100	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 10	< 90	< 90	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 100
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 4
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 1
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 100
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
2,3,7,8-TCDD	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3

FOOTNOTES : A-AVERAGE OF DUPS B-CONSTIT NOT ANALYZE C-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS10	SS10	SS10	SS10	SW10	SW10	SW10	SW10
		SJ10407	SJ12707	SJ13281	SJ28614	SJ10395	SJ12698	SJ13273	SJ28599
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17		B < 170	< 170	< 17
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2		B < 20	< 20	< 2
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 10	< 160	< 160	< 16
PHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2

FOOTNOTES : A-AVERAGE OF DUPS B-CONSTIT NOT ANALYZE C-INSUFFICIENT SAMPLE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS10	910109 SJ10407	257,301=LB TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS10	910227 SJ12707	TOTAL HYDROCARBONS:MONTGOMERY LABS/ESTIMATE. SAMPLE CHROMATOGRAM CONTAINS A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SS10	910313 SJ13281	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 03-29-91 BLANK 855: 1 UG/L
SS10	911229 SJ28614	C15 = MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-14-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW10	910109 SJ10395	MONTGOMERY LABS, 2,3,7,8-TCDD, 2-METHYL-4,6-DINITROPHENOL AND 4-CHLORO-3-METHYLPHENOL ARE NOT LISTED ON ANALYSIS REPORT DATED 1/21/91 4,6-DINITRO-O-CRESOL =50<UG/L, P-CHLORO-M-CRWSOL =5.0UG/L TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES
SW10	910227 SJ12698	TOTAL HYDROCARBONS:MONTGOMERY LABS/ESTIMATE. SAMPLE CHROMATOGRAM CONTAINS A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. 705,720,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SW10	910313 SJ13273	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-28-91 BLANK 855: 1 UG/L
SW10	911229 SJ28599	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS11 SJ10408 01/09/91	SS11 SJ12708 02/27/91	SS11 SJ13282 03/13/91	SS11 SJ28615 12/29/91	SW11 SJ10396 01/09/91	SW11 SJ12699 02/27/91	SW11 SJ13274 03/13/91	SW11 SJ28600 12/29/91
<b>GENERAL</b>									
PH	PH	7.40	7.30	A	7.77	7.60	7.33	A	7.83
CONDUCTIVITY	UMHOS/CM	288	248	A	234	285	245	A	238
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	5.74	1.93	A	2.20	5.72	1.47	A	0.43
SULFATE	MG/L SO4	27	11	A	29	12.0	10	A	10
CHLORIDE	MG/L CL	25	23	A	48	17.0	21	A	24
<b>CATIONS</b>									
CALCIUM	MG/L CA	26.3	23.9	17	359	23	23.7	17	30.5
MAGNESIUM	MG/L MG	6.12	6.34	4.1	127	4.6	6.31	4.2	10.2
SODIUM	MG/L NA	20	12.6	10	25	20	13.1	10	17
POTASSIUM	MG/L K	10	14	6.1	63	7.4	13	5.7	24
IRON	MG/L FE	4.98	5.55	2.4	193	0.3	5.09	2.4	19.4
MANGANESE	MG/L MN	0.05	0.08	0.04	2.94	0.02	0.08	0.04	0.20
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	5.6				6.2			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	1.0	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0064	.0015	0.003	.0060	.0063	.0041	0.003	.0084
BARIUM	MG/L BA	0.16	0.14	0.11	7.36	0.090	0.13	0.11	0.46
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	0.03	< 0.02	< 0.01	< 0.02	< 0.01
TOTAL CHROMIUM	MG/L CR	< 0.02	0.03	< 0.04	0.85	< 0.04	0.03	< 0.04	0.09
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	0.08	< 0.05	< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	0.08	< 0.04	0.029	0.28	0.016	< 0.04	0.023	< 0.04
MERCURY	MG/L HG	<.0001	.0003	<.0005	.0011	<.0001	.0003	<.0005	<.0001
NICKEL	MG/L NI	< 0.03	< 0.03	< 0.04	0.65	< 0.04	< 0.03	< 0.04	0.06
SELENIUM	MG/L SE	.0007	<.0005	<0.004	.0015	.0006	.0007	<0.004	.0016
SILVER	MG/L AG	0.008	<0.005	< 0.01	0.014	< 0.01	<0.005	< 0.01	<0.005
ZINC	MG/L ZN	0.12	0.08	0.07	1.24	0.08	0.09	0.08	0.13
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	< 0.02	< 0.2	< 0.02	< 0.02	< 0.02	< 0.2	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	< 0.005	< 0.03	< 0.03	< 0.5	< 0.005
VANADIUM	MG/L V	0.06	0.06	< 0.05	1.53	< 0.05	0.06	< 0.05	0.15

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS11	SS11	SS11	SS11	SW11	SW11	SW11	SW11
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 5.0	C	C	C	C
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
BENZENE	UG/L	< 0.5	1.2	< 0.3	< 0.3	C	C	C	C
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C	C	C	C
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C	C	C	C
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	C	C	C	C
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	C	C	C	C
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5	C	C	C	C
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	C	C	C	C
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3	C	C	C	C
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
BENZIDINE	UG/L	< 50	< 620	< 620	< 62	< 50	< 620	< 620	< 62
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 7	< 5.0	< 70	< 70	< 7

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-INSUFFICIENT SAMPLE



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS11 SJ10408 01/09/91	SS11 SJ12708 02/27/91	SS11 SJ13282 03/13/91	SS11 SJ28615 12/29/91	SW11 SJ10396 01/09/91	SW11 SJ12699 02/27/91	SW11 SJ13274 03/13/91	SW11 SJ28600 12/29/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 3	< 10	< 30	< 30	< 3
DIETHYLHEXYL PHTHALATE	UG/L	100	8 B	54 B	< 10	< 20	99 B	< 100	< 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 9	< 5.0	< 90	< 90	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 10	< 5.0	< 100	< 100	< 10
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 100	< 50	< 1000	< 1000	< 100
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 4	< 10	< 40	< 40	< 4
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 5	< 10	< 50	< 50	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 1
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
FLUORENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 10	< 10	< 100	< 100	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 100	< 10	< 1000	< 1000	< 100
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 12	< 5.0	< 120	< 120	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
ISOPHORONE	UG/L	< 5.0	< 30	< 30	1 B	< 5.0	< 30	< 30	< 3
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 30	< 5.0	< 300	< 300	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 1	< 5.0	< 10	< 10	< 1
PYRENE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
2,3,7,8-TCDD	UG/L	A	< 30	< 30	< 3	A	< 30	< 30	< 3
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 8	< 5.0	< 80	< 80	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS11	SS11	SS11	SS11	SW11	SW11	SW11	SW11
		SJ10408	SJ12708	SJ13282	SJ28615	SJ10396	SJ12699	SJ13274	SJ28600
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 39	< 50	< 390	< 390	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 17	< 50	< 170	< 170	< 17
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 5	< 5.0	< 50	< 50	< 5
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 6	< 10	< 60	< 60	< 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 16	< 10	< 160	< 160	< 16
PHENOL	UG/L	< 5.0	< 30	< 30	< 3	< 5.0	< 30	< 30	< 3
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 2	< 5.0	< 20	< 20	< 2

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-INSUFFICIENT SAMPLE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS11	910109 SJ10408	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS11	910227 SJ12708	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SS11	910313 SJ13282	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91 BNA EXT 03-15-91 INJ 03-29-91 BLANK 855: 1 UG/L
SS11	911229 SJ28615	C15 = MODIFIED 8015 EQUIVALENT VOC's 1/3/92 BNA EXT 12-31-91 INJ 01-14-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW11	910109 SJ10396	MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW11	910227 SJ12699	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL NO VOA VIAL PROVIDED BNA EXT 03-04-91 INJ 03-09-91 BLANK 812: 1 UG/L
SW11	910313 SJ13274	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 04-02-91 BLANK 855: 1 UG/L
SW11	911229 SJ28600	C15= MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS12	SS12	SS12	SS12	SW12	SW12	SW12	SW12
		SJ10113	SJ12793	SJ28617	SJ30076	SJ10102	SJ12783	SJ28602	SJ30066
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
<b>GENERAL</b>									
PH	PH	6.98	7.99	8.21	7.78	7.05	7.82	7.85	7.90
CONDUCTIVITY	UMHOS/CM	225	288	178	310	230	290	373	298
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	2.86	1.25	0.66	1.29	2.29	0.71	3.90	1.21
SULFATE	MG/L SO4	8.0	16	21	39	8.0	18	52	39
CHLORIDE	MG/L CL	22.0	27	16	24	22.0	35	61	25
<b>CATIONS</b>									
CALCIUM	MG/L CA	16.5	29.7	158	230	12.3	34.0	37.9	98.4
MAGNESIUM	MG/L MG	5.78	13.3	82.2	126	4.18	14.6	16.8	54.3
SODIUM	MG/L NA	9	20.4	33	50	9	18.6	35	44
POTASSIUM	MG/L K	20	41	44	68	18	42	40	34
IRON	MG/L FE	6.01	21.2	163	289	1.43	20.8	24.8	106
MANGANESE	MG/L MN	0.10	0.32	2.29	3.55	0.04	0.33	0.35	1.41
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	2.3			3.4	2.7			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0025	.0037	.0044	.0077	.0028	.0047	.0046	0.011
BARIUM	MG/L BA	0.12	0.43	2.85	4.06	0.04	0.48	0.57	1.60
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL CHROMIUM	MG/L CR	0.02	0.09	0.40	0.63	< 0.02	0.08	0.06	0.26
COBALT	MG/L CO	< 0.04	< 0.04	0.06	0.11	< 0.04	< 0.04	< 0.04	< 0.04
LEAD	MG/L PB	< 0.04	< 0.04	0.12	0.16	< 0.04	< 0.04	< 0.04	< 0.04
MERCURY	MG/L HG	.0002	.0001	.0010	.0012	.0002	<.0001	<.0001	.0008
NICKEL	MG/L NI	< 0.03	0.08	0.30	0.47	< 0.03	0.07	0.04	0.19
SELENIUM	MG/L SE	<0.005	.0008	<.0005	<.0005	<.0005	.0006	<.0005	<.0005
SILVER	MG/L AG	<0.005	<0.005	0.007	0.012	<0.005	<0.005	<0.005	0.007
ZINC	MG/L ZN	0.10	0.13	0.87	1.35	0.05	0.14	0.13	0.54
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	< 0.02	0.03	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.04	0.17	0.96	1.44	< 0.02	0.16	0.16	0.60

FOOTNOTES : A-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS12	SS12	SS12	SS12	SW12	SW12	SW12	SW12
		SJ10113	SJ12793	SJ28617	SJ30076	SJ10102	SJ12783	SJ28602	SJ30066
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 5.0	< 5.0				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
2-CHLOROETHYL VINYL ETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS12	SS12	SS12	SS12	SW12	SW12	SW12	SW12
		SJ10113	SJ12793	SJ28617	SJ30076	SJ10102	SJ12783	SJ28602	SJ30066
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DIETHYLHEXYL PHTHALATE	UG/L	7 A	< 100	< 10	< 10	3 A	15 A	< 10	4 A
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9
BUTYLBENZYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
1,2-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	1 A	< 20	< 2	< 2
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	< 4	< 40	< 4	< 4
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	1 A
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
NITROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3

FOOTNOTES : A-VALUE <MDL, >IDL

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	
		SS12	SS12	SS12	SS12	SW12	SW12	SW12	SW12	
		SJ10113	SJ12793	SJ28617	SJ30076	SJ10102	SJ12783	SJ28602	SJ30066	
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92	
ACID-BASE NEUTRAL EXTRACT										
2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39	
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17	
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5	
4-NITROPHENOL	UG/L	3 A	< 60	< 6	< 6	4 A	< 60	< 6	< 6	
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 16	
PHENOL	UG/L	2 A	< 30	< 3	< 3	< 3	< 30	< 3	2 A	
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2	

FOOTNOTES : A-VALUE &lt;MDL, &gt;IDL



PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS12	910103 SJ10113	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-17-91 BLANK 855: 3 UG/L
SS12	910301 SJ12793	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L
SS12	911229 SJ28617	C15 = MODIFIED 8015 EQUIVALENT VOC's 1/3/92 BNA EXT 12-31-91 INJ 01-14-92 BNA FOOTNOTE: #35
SS12	920103 SJ30076	C15 ANALYZED BY MONTGOMERY LABS FOR HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-15-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW12	910103 SJ10102	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW12	910301 SJ12783	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L
SW12	911229 SJ28602	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-14-92 BNA FOOTNOTE: #35
SW12	920103 SJ30066	BNA EXT 01-17-92 INJ 01-30-92 BNA RESET EXTRACTED PAST HOLD- ING TIME. RESET DATA REPORTED.

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS13 SJ10114 01/03/91	SS13 SJ12794 03/01/91	SS13 SJ28618 12/29/91	SS13 SJ30061 01/03/92	SW13 SJ10103 01/03/91	SW13 SJ12784 03/01/91	SW13 SJ28603 12/29/91	SW13 SJ30058 01/03/92
<b>GENERAL</b>									
PH	PH	6.71 A	7.39	8.00	7.09	6.80	7.46	8.08	7.52
CONDUCTIVITY	UMHOS/CM	105 A	125	66.0	95.5	106	124	68.0	100
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.03 B	0.43	0.33	0.51	1.09	0.35	0.37	1.98 B
SULFATE	MG/L SO4	2.0 B	8	4	7	1.0	7	4	8 B
CHLORIDE	MG/L CL	10.0 B	19	6	4	10.0	15	6	4 B
<b>CATIONS</b>									
CALCIUM	MG/L CA	12.1 B	8.39	23.0	< 0.2	7.3	8.61	8.86	7.53
MAGNESIUM	MG/L MG	3.78 B	1.94	8.17	< 0.2	1.58	1.99	2.77	1.65
SODIUM	MG/L NA	6 B	9.84	8	8	6	8.85	8	8
POTASSIUM	MG/L K	4 B	4	4	3	4	4	2	3
IRON	MG/L FE	5.04 B	1.41	17.3	2.28	0.62	1.39	5.83	1.57
MANGANESE	MG/L MN	0.08 B	0.02	0.23	0.03	0.02	0.02	0.06	0.02
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	1.0 B			< 1	1.6			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
<b>METALS</b>									
ARSENIC	MG/L AS	.0019	.0018	.0010	.0015	.0020	.0019	.0009	.0022
BARIUM	MG/L BA	0.13 B	0.04	0.35	0.04	0.03	0.04	0.10	0.03
CADMIUM	MG/L CD	< 0.01 B	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TOTAL CHROMIUM	MG/L CR	0.03 B	< 0.02	0.08	< 0.02	< 0.02	< 0.02	0.02	< 0.02
COBALT	MG/L CO	< 0.04 B	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
LEAD	MG/L PB	0.04 B	< 0.04	0.06	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
MERCURY	MG/L HG	<.0001	<.0001	.0002	<.0001	<.0001	<.0001	<.0001	<.0001
NICKEL	MG/L NI	< 0.03 B	< 0.03	0.06	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SELENIUM	MG/L SE	<.0005	<.0005	<.0005	<.0005	<.0005	.0005	<.0005	<.0005
SILVER	MG/L AG	<0.005 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ZINC	MG/L ZN	0.17 B	0.10	0.18	0.12	0.08	0.09	0.06	0.09
ANTIMONY	MG/L SB	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01 B	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	< 0.02 B	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
THALLIUM	MG/L TL	< 0.03	< 0.03	<0.005	<0.005	< 0.03	< 0.03	<0.005	<0.005
VANADIUM	MG/L V	0.04 B	< 0.02	0.17	< 0.02	< 0.02	< 0.02	0.06	< 0.02

FOOTNOTES : A-AVERAGE OF DUPS

B-DUPLICATE SPIKE

C-VALUE &lt;MDL, &gt;IDL

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS13 SJ10114 01/03/91	SS13 SJ12794 03/01/91	SS13 SJ28618 12/29/91	SS13 SJ30061 01/03/92	SW13 SJ10103 01/03/91	SW13 SJ12784 03/01/91	SW13 SJ28603 12/29/91	SW13 SJ30058 01/03/92

## VOLATILE ORGANIC COMPOUND

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0	< 5.0				
CHLOROFORM	UG/L	< 1.0	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BENZENE	UG/L	< 0.5	< 1.0	< 0.3	< 0.3				
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				

## ACID-BASE NEUTRAL EXTRACT

ACENAPHTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	
ACENAPHTHYLENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
ANTHRACENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BENZIDINE	UG/L	< 62	< 620	< 62	< 62	< 62	< 620	< 62	< 62
BENZO(A)ANTHRACENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(A)PYRENE	UG/L	< 7	< 70	< 7	< 7	< 7	< 70	< 7	< 7

FOOTNOTES : A-AVERAGE OF DUPS

B-DUPLICATE SPIKE

C-VALUE &lt;MDL, &gt;IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS13	SS13	SS13	SS13	SW13	SW13	SW13	SW13
		SJ10114	SJ12794	SJ28618	SJ30061	SJ10103	SJ12784	SJ28603	SJ30058
		01/03/91	03/01/91	12/29/91	01/03/92	01/03/91	03/01/91	12/29/91	01/03/92
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
BENZO(K)FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DIETHYLHEXYL PHTHALATE	UG/L	6 C	< 100	5 C	< 10	< 10	11 C	3 C	4 C
4-BROMOPHENYL PHENYLEETHER	UG/L	< 9	< 90	< 9	< 9	< 9	< 90	< 9	< 9
BUTYLBENZYL PHTHALATE	UG/L	1 C	< 30	< 3	1 C	1 C	< 30	< 3	1 C
2-CHLORONAPHTHALENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
4-CHLOROPHENYLPHENYLEETHER	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
CHRYSENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
1,2-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,3-DICHLOROBENZENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
1,4-DICHLOROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
DIETHYL PHTHALATE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
DIMETHYL PHTHALATE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 40	< 4	< 4	< 4	< 40	< 4	< 4
2,4-DINITROTOLUENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,6-DINITROTOLUENE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
FLUORANTHENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
FLUORENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
HEXACHLOROBENZENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 10	< 10	< 10	< 100	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 1000	< 100	< 100	< 100	< 1000	< 100	< 100
HEXACHLOROETHANE	UG/L	< 12	< 120	< 12	< 12	< 12	< 120	< 12	< 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 60	< 6	< 6	< 6	< 60	< 6	< 6
ISOPHORONE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
NAPHTHALENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
NITROBENZENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 300	< 30	< 30	< 30	< 300	< 30	< 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PHENANTHRENE	UG/L	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
PYRENE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
2,3,7,8-TCDD	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2-CHLOROPHENOL	UG/L	< 8	< 80	< 8	< 8	< 8	< 80	< 8	< 8
1,2,4-TRICHLOROBENZENE	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DICHLOROPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3
2,4-DIMETHYLPHENOL	UG/L	< 3	< 30	< 3	< 3	< 3	< 30	< 3	< 3

FOOTNOTES : A-AVERAGE OF DUPS B-DUPLICATE SPIKE C-VALUE <MDL, >IDL

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS13 SJ10114 01/03/91	SS13 SJ12794 03/01/91	SS13 SJ28618 12/29/91	SS13 SJ30061 01/03/92	SW13 SJ10103 01/03/91	SW13 SJ12784 03/01/91	SW13 SJ28603 12/29/91	SW13 SJ30058 01/03/92
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 39	< 390	< 39	< 39	< 39	< 390	< 39	< 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 170	< 17	< 17	< 17	< 170	< 17	< 17
2-NITROPHENOL	UG/L	< 5	< 50	< 5	< 5	< 5	< 50	< 5	< 5
4-NITROPHENOL	UG/L	< 6	< 60	< 6	3 C	1 C	< 60	< 6	3 C
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
PENTACHLOROPHENOL	UG/L	< 16	< 160	< 16	< 16	< 16	< 160	< 16	< 16
PHENOL	UG/L	< 3	< 30	< 3	3	3	7 C	< 3	3
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 20	< 2	< 2	< 2	< 20	< 2	< 2

FOOTNOTES : A-AVERAGE OF DUPS      B-DUPLICATE SPIKE      C-VALUE <MDL, >IDL

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS13	910103 SJ10114	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-17-91 BLANK 855: 3 UG/L
SS13	910301 SJ12794	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L
SS13	911229 SJ28618	C15 = MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-14-92
SS13	920103 SJ30061	C15 ANALYZED BY MONTGOMERY LABS FOR HIGHBPHC VOC's 1/6/92 BNA EXT 01-06-92 INJ 01-14-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES	
SW13	910103 SJ10103	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855:	3 UG/L
SW13	910301 SJ12784	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855:	2 UG/L
SW13	911229 SJ28603	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92	
SW13	920103 SJ30058	BNA EXT 01-06-92 INJ 01-14-92 B	



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS14 SJ93708 04/04/90	SS14 SJ10107 01/03/91	SS14 SJ10401 01/09/91	SS14 SJ12796 03/01/91	SW14 SJ93702 04/04/90	SW14 SJ10096 01/03/91	SW14 SJ10389 01/09/91	SW14 SJ12786 02/28/91
<b>GENERAL</b>									
PH	PH	6.80	6.85	7.12	7.79	7.30	7.02	7.20	7.80
CONDUCTIVITY	UMHOS/CM	408	2380	3060	1250	428	2140	3020	1250
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	1.29	3.72	< 0.05	< 0.05	1.27 E	3.09	< 0.05	< 0.05
SULFATE	MG/L SO4	41.3	127	204	145	33.4	99.0	218	143
CHLORIDE	MG/L CL	85	845	895	276	80	677	914	273
<b>CATIONS</b>									
CALCIUM	MG/L CA	23.4 B	50.7	88.3	65.4	28.3	42.5	87	64.1
MAGNESIUM	MG/L MG	20.6 B	235	260	73.7	23.2	190	270	73.0
SODIUM	MG/L NA	17.0 B	42	41	69.5	19.3	35	41	69.9
POTASSIUM	MG/L K	6 B	18	15	14	6	12	16	14
IRON	MG/L FE	2.78 B	8.75	3.51	9.20	2.75	0.80	0.1	9.26
MANGANESE	MG/L MN	0.10 B	0.25	0.21	0.32	0.10	0.11	0.16	0.31
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	2.5	1	1.5 B		4.0	3.7	< 1	
HYDROCARBONS-MODIFIED8015	MG/L HC		A < 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	0.003 B	.0051	.0027	.0060	0.003	.0033	.0026	.0065
BARIUM	MG/L BA	0.07 B	0.21	0.16	0.19	0.07	0.08	0.12	0.20
CADMIUM	MG/L CD	< 0.01 B	0.04	0.04	0.02	< 0.01	0.03	< 0.02	0.01
TOTAL CHROMIUM	MG/L CR	< 0.02 B	0.06	0.06	0.04	< 0.02	0.04	< 0.04	0.04
HEXAVALENT CHROMIUM	MG/L CR	< 0.02				< 0.04			
COBALT	MG/L CO		< 0.04	< 0.04	< 0.04		< 0.04	< 0.05	< 0.04
LEAD	MG/L PB	< 0.04 B	0.02	< 0.04	0.04	< 0.04	< 0.04	< .0002	< 0.04
MERCURY	MG/L HG	<.0001	<.0001	<.0001	<.0001 B	<.0001 B	<.0001	<.0001	<.0001 B
NICKEL	MG/L NI	< 0.03 B	0.16	0.18	0.08	< 0.03	0.13	< 0.04	0.08
SELENIUM	MG/L SE	0.001 B	<.0005	.0006	.0008	0.002	<.0005	<.0005	.0007
SILVER	MG/L AG	<0.005 B	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.01	0.006
ZINC	MG/L ZN	0.50 B	0.86	0.53	0.42	0.66	0.57	0.45	0.40
ANTIMONY	MG/L SB	<0.001 B	< 0.03	< 0.03	< 0.03	<0.001	< 0.03	< 0.03	< 0.03
BERYLLIUM	MG/L BE	< 0.01 B	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.005	< 0.01
MOLYBDENUM	MG/L MO	< 0.02 B	0.06	0.07	0.05	< 0.02	0.04	< 0.2	0.04
THALLIUM	MG/L TL	< 0.05 B	< 0.03	< 0.03	< 0.03	< 0.05	< 0.03	< 0.03	< 0.03
VANADIUM	MG/L V	< 0.02 B	0.04	0.03	0.03	< 0.02	< 0.02	< 0.05	0.03

FOOTNOTES : A-INSUFFICIENT SAMPLE B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE D-VALUE <MDL, >IDL E-DUP & SPIKE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN SS14 SJ93708 04/04/90	RUN SS14 SJ10107 01/03/91	RUN SS14 SJ10401 01/09/91	RUN SS14 SJ12796 03/01/91	RUN SW14 SJ93702 04/04/90	RUN SW14 SJ10096 01/03/91	RUN SW14 SJ10389 01/09/91	RUN SW14 SJ12786 02/28/91
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VOLATILE ORGANIC COMPOUND

VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 7.0		A < 0.5	< 1.0				A
CHLOROFORM	UG/L	< 0.5		A < 0.5	< 0.5				A
1,1,1-TRICHLOROETHANE	UG/L	< 0.5		A < 0.5	< 0.5				A
CARBON TETRACHLORIDE	UG/L	< 0.5		A < 0.5	< 0.3				A
1,1-DICHLOROETHENE	UG/L	< 0.5		A < 0.5	< 0.3				A
TRICHLOROETHYLENE	UG/L	< 0.5		A < 0.5	< 0.3				A
TETRACHLOROETHYLENE	UG/L	< 0.5		A < 0.5	< 0.3				A
BROMODICHLOROMETHANE	UG/L	< 0.5		A < 0.5	< 0.5				A
DIBROMOCHLOROMETHANE	UG/L	< 0.5		A < 0.5	< 0.5				A
BROMOFORM	UG/L	< 0.5		A < 0.5	< 0.5				A
CHLOROBENZENE	UG/L	< 0.5		A < 0.5	< 0.5				A
VINYL CHLORIDE	UG/L	< 0.5		A < 0.5	< 0.5				A
O-DICHLOROBENZENE	UG/L	< 0.5		A < 0.5	< 0.5				A
M-DICHLOROBENZENE	UG/L	< 0.5		A < 0.5	< 0.5				A
P-DICHLOROBENZENE	UG/L	< 0.5		A < 0.5	< 0.5				A
1,1-DICHLOROETHANE	UG/L	< 0.5		A < 0.5	< 0.3				A
1,1,2-TRICHLOROETHANE	UG/L	< 0.5		A < 0.5	< 0.3				A
1,2-DICHLOROETHANE	UG/L	< 0.5		A < 0.5	< 0.3				A
BENZENE	UG/L	< 0.5		A < 0.5	< 1.0				A
TOLUENE	UG/L	< 0.5		A < 0.5	< 0.3				A
ETHYL BENZENE	UG/L	< 0.5		A < 0.5	< 0.3				A
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5		A < 0.5	< 0.3				A
BROMOMETHANE	UG/L	< 2.5		A < 2.5	< 2.5				A
CHLOROETHANE	UG/L	< 2.5		A < 2.5	< 2.5				A
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0		A < 1.0	< 1.0				A
CHLOROMETHANE	UG/L	< 2.5		A < 2.5	< 2.5				A
1,2-DICHLOROPROPANE	UG/L	< 0.5		A < 0.5	< 0.3				A
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5		A < 0.5	< 0.5				A
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5		A < 0.5	< 0.5				A
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5		A < 0.5	< 0.5				A
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5		A < 0.5	< 0.3				A

ACID-BASE NEUTRAL EXTRACT

ACENAPHTHENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
ACENAPHTHYLENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
ANTHRACENE	UG/L	< 5	< 2 B	< 5.0	< 10	< 5	< 1	< 5.0	< 10
BENZIDINE	UG/L	< 20	< 124 B	< 50	< 620	< 20	< 62	< 50	< 620
BENZO(A)ANTHRACENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
BENZO(A)PYRENE	UG/L	< 5	< 14 B	< 5.0	< 70	< 5	< 7	< 5.0	< 70

FOOTNOTES : A-INSUFFICIENT SAMPLE B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE D-VALUE <MDL, >IDL E-DUP & SPIKE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS14	SS14	SS14	SS14	SW14	SW14	SW14	SW14
		SJ93708	SJ10107	SJ10401	SJ12796	SJ93702	SJ10096	SJ10389	SJ12786
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	02/28/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
BENZO(G,H,I)PERYLENE	UG/L	< 5	< 12 B	< 10	< 60	< 5	< 6	< 10	< 60
BENZO(K)FLUORANTHENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
BIS(2-CL-ETHOXY)METHANE	UG/L	< 5	< 6 B	< 10	< 30	< 5	< 3	< 10	< 30
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 10 B	< 10	< 50	< 5	< 5	< 10	< 50
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 6 B	< 10	< 30	< 10	< 3	< 10	< 30
DIETHYLHEXYL PHTHALATE	UG/L	< 10	< 20 B	< 20	9 D	2 D	< 10	< 20	9 D
4-BROMOPHENYL PHENYLETHER	UG/L	< 5	< 18 B	< 5.0	< 90	< 5	< 9	< 5.0	< 90
BUTYLBENZYL PHTHALATE	UG/L	< 5	< 6 B	< 5.0	< 30	< 5	< 3	< 5.0	< 30
2-CHLORONAPHTHALENE	UG/L	< 5	< 2 B	< 5.0	< 10	< 5	< 1	< 5.0	< 10
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
CHRYSENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 12 B	< 10	< 60	< 10	< 6	< 10	< 60
1,2-DICHLOROBENZENE	UG/L	< 5	< 20 B	< 5.0	< 100	< 5	< 10	< 5.0	< 100
1,3-DICHLOROBENZENE	UG/L	< 5	< 20 B	< 5.0	< 100	< 5	< 10	< 5.0	< 100
1,4-DICHLOROBENZENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
3,3'-DICHLOROBENZIDINE	UG/L	< 10	< 200 B	< 50	< 1000	< 10	< 100	< 50	< 1000
DIETHYL PHTHALATE	UG/L	< 5	< 4 B	< 5.0	< 20	0.6 D	< 2	< 5.0	< 20
DIMETHYL PHTHALATE	UG/L	< 5	< 6 B	< 5.0	< 30	< 5	< 3	< 5.0	< 30
DI-N-BUTYL PHTHALATE	UG/L	< 5	< 8 B	< 10	< 40	0.6 D	< 4	< 10	< 40
2,4-DINITROTOLUENE	UG/L	< 5	< 6 B	< 5.0	< 30	< 5	< 3	< 5.0	< 30
2,6-DINITROTOLUENE	UG/L	< 5	< 10 B	< 5.0	< 50	< 5	< 5	< 5.0	< 50
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 10 B	< 10	< 50	< 5	< 5	< 10	< 50
1,2-DIPHENYLHYDRAZINE	UG/L	< 5	< 2 B	< 10	< 10	< 5	< 1	< 10	< 10
FLUORANTHENE	UG/L	< 6	< 4 B	< 5.0	< 20	< 6	< 2	< 5.0	< 20
FLUORENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
HEXACHLOROBENZENE	UG/L	< 5	< 2 B	< 5.0	< 10	< 5	< 1	< 5.0	< 10
HEXACHLOROBUTADIENE	UG/L	< 10	< 20 B	< 10	< 100	< 10	< 10	< 10	< 100
HEXACHLOROCYCLOPENTADIENE	UG/L	< 6	< 200 B	< 10	< 1000	< 6	< 100	< 10	< 1000
HEXACHLOROETHANE	UG/L	< 5	< 24 B	< 5.0	< 120	< 5	< 12	< 5.0	< 120
INDENO(1,2,3-C,D)PYRENE	UG/L	< 5	< 12 B	< 10	< 60	< 5	< 6	< 10	< 60
ISOPHORONE	UG/L	< 10	< 6 B	< 5.0	< 30	0.8 D	< 3	< 5.0	< 30
NAPHTHALENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
NITROBENZENE	UG/L	< 6	< 4 B	< 5.0	< 20	< 6	< 2	< 5.0	< 20
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 60 B	< 5.0	< 300	< 5	< 30	< 5.0	< 300
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
PHENANTHRENE	UG/L	< 6	< 2 B	< 5.0	< 10	< 6	< 1	< 5.0	< 10
PYRENE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20
2,3,7,8-TCDD	UG/L	< 10	< 6 B	< 5.0	C < 30	< 10	< 3	< 5.0	C < 30
2-CHLOROPHENOL	UG/L	< 5	< 16 B	< 5.0	< 80	< 5	< 8	< 5.0	< 80
1,2,4-TRICHLOROBENZENE	UG/L	< 5	< 6 B	< 5.0	< 30	< 5	< 3	< 5.0	< 30
2,4-DICHLOROPHENOL	UG/L	< 7	< 6 B	< 5.0	< 30	< 7	< 3	< 5.0	< 30
2,4-DIMETHYLPHENOL	UG/L	< 5	< 6 B	< 5.0	< 30	< 5	< 3	< 5.0	< 30

FOOTNOTES : A-INSUFFICIENT SAMPLE B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE D-VALUE <MDL, >IDL E-DUP & SPIKE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS14	SS14	SS14	SS14	SW14	SW14	SW14	SW14
		SJ93708	SJ10107	SJ10401	SJ12796	SJ93702	SJ10096	SJ10389	SJ12786
		04/04/90	01/03/91	01/09/91	03/01/91	04/04/90	01/03/91	01/09/91	02/28/91
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 25	< 78 B	< 50	< 390	< 25	< 39	< 50	< 390
2-METHYL-4,6DINITROPHENOL	UG/L	< 15	< 34 B	< 50	< 170	< 15	< 17	< 50	< 170
2-NITROPHENOL	UG/L	< 10	< 10 B	< 5.0	< 50	< 10	< 5	< 5.0	< 50
4-NITROPHENOL	UG/L	< 20	< 12 B	< 10	< 60	4 D	2 D	< 10	< 60
4-CHLORO-3-METHYLPHENOL	UG/L	< 6	< 4 B	< 5.0	< 20	< 6	< 2	< 5.0	< 20
PENTACHLOROPHENOL	UG/L	< 15	< 32 B	< 10	< 160	< 15	< 16	< 10	< 160
PHENOL	UG/L	< 5	2 B	< 5.0	< 30	2 D	4	< 5.0	< 30
2,4,6-TRICHLOROPHENOL	UG/L	< 6	< 4 B	< 5.0	< 20	< 6	< 2	< 5.0	< 20
N-NITROSODIPHENYLAMINE	UG/L	< 5	< 4 B	< 5.0	< 20	< 5	< 2	< 5.0	< 20

FOOTNOTES : A-INSUFFICIENT SAMPLE B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE D-VALUE <MDL, >IDL E-DUP & SPIKE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS14	900404 SJ93708	257,301=LB,204=POMR/D,204=POMR/D VOC'S 4/9/90 710 PERFORMED 4.23.90 M8015 NOT ANALYZED , INSUFFICIENT SAMPLE. BNA EXT 04-13-90 INJ 04-27-90 BNA RESET CONFIRMS THAT SURROGATES WERE NOT ADDED
SS14	910103 SJ10107	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC SEPTUM BOTTLE RECEIVED WITH SEPTUM PUSHED PARTLY INTO BOTTLE BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L BNA FOOTNOTE 37: VALUE <MDL, >IDL, TEST CODE = 855
SS14	910109 SJ10401	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ANTIMONY, SELENIUM, ARSENIC AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS14	910301 SJ12796	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91 BNA EXT 03-07-91 INJ 03-15-91 BLANK 855: 2 UG/L

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW14	900404 SJ93702	257,301=LB,204=POMR/D BNA: EXT 4-5-90, INJ 4-10-90 BLANK: 812 1 UG/L BNA: POSSIBLE MATRIX INTERFERENCE CONFIRMED AFTER REINJECT.
SW14	910103 SJ10096	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW14	910109 SJ10389	MONTGOMERY LABS, TOTAL HYDROCARBONS (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW14	910228 SJ12786	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-13-91 BLANK 855: 2 UG/L BNA FOOTNOTE 35.

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS15 SJ93709 04/04/90	SS15 SJ10108 01/03/91	SS15 SJ10402 01/09/91	SS15 SJ12797 02/28/91	SW15 SJ93703 04/04/90	SW15 SJ10097 01/03/91	SW15 SJ10390 01/09/91	SW15 SJ12787 02/28/91
<b>GENERAL</b>									
PH	PH	7.40	7.30	7.70	7.53 D	7.60	7.38	7.72	7.62 D
CONDUCTIVITY	UMHOS/CM	3105	3180	4250	2420	2950	3160	4430	2450
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	0.03	1.28	< 0.05	11.4	0.04	1.25	< 0.05	11.7
SULFATE	MG/L SO4	624	695	1070	640	624	855	1290	639
CHLORIDE	MG/L CL	360	479	570	314	350	540	640	311
<b>CATIONS</b>									
CALCIUM	MG/L CA	395	338	546	302 C	388	338	570	302 C
MAGNESIUM	MG/L MG	169	152	243	121 C	167	160	250	121 C
SODIUM	MG/L NA	106	111	156	92.3 C	104	123	160	99.0 C
POTASSIUM	MG/L K	3	34	9	5 C	3	29	10	4 C
IRON	MG/L FE	18.7	22.4	21.3	0.38 C	3.28	0.95	1.2	0.35 C
MANGANESE	MG/L MN	2.77	3.40	2.27	0.14 C	2.06	2.30	1.3	0.15 C
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	< 1.0	14	11.2 C		1.0 C	9.9	6.8	
HYDROCARBONS-MODIFIED8015	MG/L HC	A	0.07	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	0.021	0.014	0.031	.0025	0.015	0.019	0.020	0.010
BARIUM	MG/L BA	0.33	0.54	0.47	0.17 C	0.12	0.12	0.13	0.17 C
CADMIUM	MG/L CD	0.02	0.03	0.04	0.02 C	0.02	0.02	< 0.02	0.02 C
TOTAL CHROMIUM	MG/L CR	0.09	0.09	0.11	0.06 C	0.08	0.06	< 0.04	0.06 C
HEXAVALENT CHROMIUM	MG/L CR	< 0.02				< 0.02			
COBALT	MG/L CO		< 0.04	< 0.04	< 0.04 C		< 0.04	< 0.05	< 0.04 C
LEAD	MG/L PB	< 0.04	< 0.04	< 0.04	< 0.04 C	< 0.04	< 0.04	< .0002	< 0.04 C
MERCURY	MG/L HG	.0001	< .0001	.0002	.0003	.0002	< .0001	< .0001	< .0001
NICKEL	MG/L NI	0.16	0.14	0.21	0.12 C	0.13	0.12	< 0.04	0.12 C
SELENIUM	MG/L SE	0.005	0.029	0.11	.0026	0.002	0.029	0.092	.0026
SILVER	MG/L AG	0.007	0.007	0.011	0.007 C	0.01	0.008	< 0.01	0.008 C
ZINC	MG/L ZN	0.06	0.15	0.11	0.04 C	< 0.02	0.05	< 0.02	0.04 C
ANTIMONY	MG/L SB	0.003	< 0.03	< 0.03	< 0.03	< 0.001	< 0.03	< 0.03	< 0.03
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01 C	< 0.01	< 0.01	< 0.005	< 0.01 C
MOLYBDENUM	MG/L MO	0.20	0.43	1.65	0.38 C	0.20	0.44	1.7	0.38 C
THALLIUM	MG/L TL	< 0.05	< 0.03	< 0.03	< 0.03	< 0.05	< 0.03	< 0.03	< 0.03
VANADIUM	MG/L V	0.10	0.11	0.20	0.15 C	0.05	0.03	0.07	0.15 C

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-DUPLICATE SPIKE D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN SS15 SJ93709 04/04/90	RUN SS15 SJ10108 01/03/91	RUN SS15 SJ10402 01/09/91	RUN SS15 SJ12797 02/28/91	RUN SW15 SJ93703 04/04/90	RUN SW15 SJ10097 01/03/91	RUN SW15 SJ10390 01/09/91	RUN SW15 SJ12787 02/28/91
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VOLATILE ORGANIC COMPOUND

VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 7.0	1.1	< 0.5	< 1.0				E
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				E
TOLUENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.3				E

ACID-BASE NEUTRAL EXTRACT

ACENAPHTHENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20
ACENAPHTHYLENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20
ANTHRACENE	UG/L	< 5	< 1	< 5.0	E < 5	< 1	< 5.0	< 10
BENZIDINE	UG/L	< 20	< 62	< 50	E < 20	< 62	< 50	< 620
BENZO(A)ANTHRACENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20
BENZO(A)PYRENE	UG/L	< 5	< 7	< 5.0	E < 5	< 7	< 5.0	< 70

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-DUPLICATE SPIKE D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS15	SS15	SS15	SS15	SW15	SW15	SW15	SW15
		SJ93709	SJ10108	SJ10402	SJ12797	SJ93703	SJ10097	SJ10390	SJ12787
		04/04/90	01/03/91	01/09/91	02/28/91	04/04/90	01/03/91	01/09/91	02/28/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
BENZO(G,H,I)PERYLENE	UG/L	< 5	< 6	< 10	E < 5	< 6	< 10	< 60	
BENZO(K)FLUORANTHENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
BIS(2-CL-ETHOXY)METHANE	UG/L	< 5	< 3	< 10	E < 5	< 3	< 10	< 30	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 5	< 10	E < 5	< 5	< 10	< 50	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 3	< 10	E < 10	< 3	< 10	< 30	
DIETHYLHEXYL PHTHALATE	UG/L	< 10	< 10	< 20	E < 10	< 10	< 20	< 100	
4-BROMOPHENYL PHENYLETHER	UG/L	< 5	< 9	< 5.0	E < 5	< 9	< 5.0	< 90	
BUTYLBENZYL PHTHALATE	UG/L	< 5	< 3	< 5.0	E < 5	< 3	< 5.0	< 30	
2-CHLORONAPHTHALENE	UG/L	< 5	< 1	< 5.0	E < 5	< 1	< 5.0	< 10	
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
CHRYSENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 6	< 10	E < 10	< 6	< 10	< 60	
1,2-DICHLOROBENZENE	UG/L	< 5	< 10	< 5.0	E < 5	< 10	< 5.0	< 100	
1,3-DICHLOROBENZENE	UG/L	< 5	< 10	< 5.0	E < 5	< 10	< 5.0	< 100	
1,4-DICHLOROBENZENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
3,3'-DICHLOROBENZIDINE	UG/L	< 10	< 100	< 50	E < 10	< 100	< 50	< 1000	
DIETHYL PHTHALATE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
DIMETHYL PHTHALATE	UG/L	< 5	< 3	< 5.0	E < 5	< 3	< 5.0	< 30	
DI-N-BUTYL PHTHALATE	UG/L	< 5	< 4	< 10	E < 5	< 4	< 10	< 40	
2,4-DINITROTOLUENE	UG/L	< 5	< 3	< 5.0	E < 5	< 3	< 5.0	< 30	
2,6-DINITROTOLUENE	UG/L	< 5	< 5	< 5.0	E < 5	< 5	< 5.0	< 50	
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 5	< 10	E < 5	< 5	< 10	< 50	
1,2-DIPHENYLHYDRAZINE	UG/L	< 5	< 1	< 10	E < 5	< 1	< 10	< 10	
FLUORANTHENE	UG/L	< 6	< 2	< 5.0	E < 6	< 2	< 5.0	< 20	
FLUORENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
HEXACHLOROBENZENE	UG/L	< 5	< 1	< 5.0	E < 5	< 1	< 5.0	< 10	
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	E < 10	< 10	< 10	< 100	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 6	< 100	< 10	E < 6	< 100	< 10	< 1000	
HEXACHLOROETHANE	UG/L	< 5	< 12	< 5.0	E < 5	< 12	< 5.0	< 120	
INDENO(1,2,3-C,D)PYRENE	UG/L	< 5	< 6	< 10	E < 5	< 6	< 10	< 60	
ISOPHORONE	UG/L	< 10	1 B	< 5.0	E < 10	1 B	< 5.0	< 30	
NAPHTHALENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
NITROBENZENE	UG/L	< 6	< 2	< 5.0	E < 6	< 2	< 5.0	< 20	
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 30	< 5.0	E < 5	< 30	< 5.0	< 300	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
PHENANTHRENE	UG/L	< 6	< 1	< 5.0	E < 6	< 1	< 5.0	< 10	
PYRENE	UG/L	< 5	< 2	< 5.0	E < 5	< 2	< 5.0	< 20	
2,3,7,8-TCDD	UG/L	< 10	< 3	< 5.0 A	E < 10	< 3	< 5.0 A	< 30	
2-CHLOROPHENOL	UG/L	< 5	< 8	< 5.0	E < 5	< 8	< 5.0	< 80	
1,2,4-TRICHLOROENZENE	UG/L	< 5	< 3	< 5.0	E < 5	< 3	< 5.0	< 30	
2,4-DICHLOROPHENOL	UG/L	< 7	< 3	< 5.0	E < 7	< 3	< 5.0	< 30	
2,4-DIMETHYLPHENOL	UG/L	< 5	< 3	< 5.0	E < 5	< 3	< 5.0	< 30	

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-DUPLICATE SPIKE D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS15	SS15	SS15	SS15	SW15	SW15	SW15	SW15
		SJ93709	SJ10108	SJ10402	SJ12797	SJ93703	SJ10097	SJ10390	SJ12787
		04/04/90	01/03/91	01/09/91	02/28/91	04/04/90	01/03/91	01/09/91	02/28/91
ACID-BASE NEUTRAL EXTRACT									
2,4-DINITROPHENOL	UG/L	< 25	< 39	< 50		E < 25	< 39	< 50	< 390
2-METHYL-4,6DINITROPHENOL	UG/L	< 15	< 17	< 50		E < 15	< 17	< 50	< 170
2-NITROPHENOL	UG/L	< 10	< 5	< 5.0		E < 10	< 5	< 5.0	< 50
4-NITROPHENOL	UG/L	< 20	< 6	< 10		E < 20	< 6	< 10	< 60
4-CHLORO-3-METHYLPHENOL	UG/L	< 6	< 2	< 5.0		E < 6	< 2	< 5.0	< 20
PENTACHLOROPHENOL	UG/L	< 15	< 16	< 10		E < 15	< 16	< 10	< 160
PHENOL	UG/L	< 5	< 3	< 5.0		E < 5	< 3	< 5.0	< 30
2,4,6-TRICHLOROPHENOL	UG/L	< 6	< 2	< 5.0		E < 6	< 2	< 5.0	< 20
N-NITROSODIPHENYLAMINE	UG/L	< 5	< 2	< 5.0		E < 5	< 2	< 5.0	< 20

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-DUPLICATE SPIKE D-AVERAGE OF DUPS E-INSUFFICIENT SAMPLE

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS15	900404 SJ93709	257,301=LB,204=POMR/D,204=POMR/D VOC'S 4/9/90 710 PERFORMED 4.23.90 BNA EXT 04-13-90 INJ 04-23-90
SS15	910103 SJ10108	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES VOC's 1/7/91 BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SS15	910109 SJ10402	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS (MODIFIED 8015) BCA LABS, ARSENIC, ANTIMONY, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS15	910228 SJ12797	TOTAL HYDROCARBONS/MONTGOMERY LABS : 705,720,725,734 BROWN & CALDWELL VOC's 3/4/91

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW15	900404 SJ93703	257,301=LB,204=POMR/D BNA EXT 04-05-90 INJ 04-10-90 BLANK 812: 1 UG/L
SW15	910103 SJ10097	MONTGOMERY LABS, PETROLEUM HYDROCARBONS AS GASOLINE (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA EXT 01-08-91 INJ 01-16-91 BLANK 855: 3 UG/L
SW15	910109 SJ10390	MONTGOMERY LABS, TOTAL HYDROCARBONS (MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW15	910228 SJ12787	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-07-91 INJ 03-14-91 BLANK 855: 2 UG/L BNA TO BE RESET TO CONFIRM MATRIX INTERFERENCE. BNA; INSUFFICIENT SAMPLE FOR RESET.

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS16 SJ10409 01/09/91	SS16 SJ12709 02/27/91	SS16 SJ13283 03/13/91	SS16 SJ28616 12/29/91	SW16 SJ10397 01/09/91	SW16 SJ12700 02/27/91	SW16 SJ13275 03/13/91	SW16 SJ28601 12/29/91
<b>GENERAL</b>									
PH	PH	7.20	6.68		A 6.59 C	7.50	6.72		A 6.68
CONDUCTIVITY	UMHOS/CM	52.0	67.5		A 13.8	49.5 C	67.5		A 13.9
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	6.14	1.15		A 0.12	< 0.05 D	4.22		A 0.14 D
SULFATE	MG/L SO4	8	8		A < 1	1.0 D	10		A < 1 D
CHLORIDE	MG/L CL	10	3		A 2	2.00 D	4		A 2 D
<b>CATIONS</b>									
CALCIUM	MG/L CA	6.31	5.08	3.5	1.64	4.3	5.87	3.2	0.81 D
MAGNESIUM	MG/L MG	2.32	0.89	1.5	0.9	0.4	1.77	1.3	0.32 D
SODIUM	MG/L NA	2	2.53	1.8	3	2.1	2.63	1.8	8 D
POTASSIUM	MG/L K	2	1	1.2	2	0.8	2	1.0	< 0.4 D
IRON	MG/L FE	5.89	0.99	3.8	3.13	0.2	6.10	2.9	0.59 D
MANGANESE	MG/L MN	0.10	0.06	0.07	0.04	0.03	0.11	0.06	< 0.01 D
<b>ORGANIC MATTER</b>									
OIL & GREASE	MG/L EXTRAC	5.7				5.3			
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
<b>METALS</b>									
ARSENIC	MG/L AS	.0032	.0084	0.045	0.050	.0024	0.014	0.039	0.060
BARIUM	MG/L BA	0.13	0.03	0.091	0.06	0.047	0.10	0.069	< 0.02 D
CADMIUM	MG/L CD	< 0.01	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01	< 0.02	< 0.01 D
TOTAL CHROMIUM	MG/L CR	< 0.02	< 0.02	< 0.04	< 0.02	< 0.04	< 0.02	< 0.04	< 0.02 D
COBALT	MG/L CO	< 0.04	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04	< 0.05	< 0.04 D
LEAD	MG/L PB	0.06	< 0.04	0.040	0.05	0.012	0.04	0.024	< 0.04 D
MERCURY	MG/L HG	<.0001	.0001	<.0005	<.0001	<.0001	<.0001	<.0005	<.0001
NICKEL	MG/L NI	< 0.03	< 0.03	< 0.04	< 0.03	< 0.04	< 0.03	< 0.04	< 0.03 D
SELENIUM	MG/L SE	.0016	<.0005	<0.004	<.0005	<.0005	.0018	<0.004	<.0005
SILVER	MG/L AG	<0.005	<0.005	< 0.01	<0.005	< 0.01	<0.005	< 0.01	<0.005 D
ZINC	MG/L ZN	0.20	0.22	0.17	0.09	0.10	0.36	0.14	0.03 D
ANTIMONY	MG/L SB	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	<0.005	< 0.01	<.0005	< 0.01	<0.005	< 0.01 D
MOLYBDENUM	MG/L MO	< 0.02	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02	< 0.2	< 0.02 D
THALLIUM	MG/L TL	< 0.03	< 0.03	< 0.5	<0.005	< 0.03	< 0.03	< 0.5	<0.005
VANADIUM	MG/L V	0.03	< 0.02	< 0.05	< 0.02	< 0.05	0.02	< 0.05	< 0.02 D

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-AVERAGE OF DUPS D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS16	SS16	SS16	SS16	SW16	SW16	SW16	SW16
		SJ10409	SJ12709	SJ13283	SJ28616	SJ10397	SJ12700	SJ13275	SJ28601
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91
VOLATILE ORGANIC COMPOUND									
VOLATILE ORGANIC COMPOUND									
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 1.0				E
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
BENZENE	UG/L	< 0.5	1.2	< 0.3	< 0.3				E
TOLUENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
ETHYL BENZENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0				E
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5				E
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.3	< 0.3	< 0.5				E
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				E
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.3	< 0.3	< 0.3				E
ACID-BASE NEUTRAL EXTRACT									
ACENAPHTHENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
ACENAPHTHYLENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
ANTHRACENE	UG/L	< 5.0	< 10	< 10	< 5	< 5.0	< 10	< 10	< 5
BENZIDINE	UG/L	< 50	< 620	< 620	< 310	< 50	< 620	< 620	< 310
BENZO(A)ANTHRACENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
BENZO(A)PYRENE	UG/L	< 5.0	< 70	< 70	< 35	< 5.0	< 70	< 70	< 35

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-AVERAGE OF DUPS D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/26/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS16 SJ10409 01/09/91	SS16 SJ12709 02/27/91	SS16 SJ13283 03/13/91	SS16 SJ28616 12/29/91	SW16 SJ10397 01/09/91	SW16 SJ12700 02/27/91	SW16 SJ13275 03/13/91	SW16 SJ28601 12/29/91
ACID-BASE NEUTRAL EXTRACT									
BENZO(B)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 60	< 60	< 30	< 10	< 60	< 60	< 30
BENZO(K)FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 30	< 30	< 15	< 10	< 30	< 30	< 15
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 25	< 10	< 50	< 50	< 25
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 30	< 30	< 15	< 10	< 30	< 30	< 15
DIETHYLHEXYL PHTHALATE	UG/L	< 20	21 B	159	10 B	< 20	45 B	11 B	< 50
4-BROMOPHENYL PHENYLETHER	UG/L	< 5.0	< 90	< 90	< 45	< 5.0	< 90	< 90	< 45
BUTYLBENZYL PHTHALATE	UG/L	< 5.0	< 30	12 B	< 15	< 5.0	< 30	< 30	< 15
2-CHLORONAPHTHALENE	UG/L	< 5.0	< 10	< 10	< 5	< 5.0	< 10	< 10	< 5
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
CHRYSENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 60	< 60	< 30	< 10	< 60	< 60	< 30
1,2-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 50	< 5.0	< 100	< 100	< 50
1,3-DICHLOROBENZENE	UG/L	< 5.0	< 100	< 100	< 50	< 5.0	< 100	< 100	< 50
1,4-DICHLOROBENZENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 1000	< 1000	< 500	< 50	< 1000	< 1000	< 500
DIETHYL PHTHALATE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
DIMETHYL PHTHALATE	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 40	< 40	< 20	< 10	< 40	< 40	< 20
2,4-DINITROTOLUENE	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15
2,6-DINITROTOLUENE	UG/L	< 5.0	< 50	< 50	< 25	< 5.0	< 50	< 50	< 25
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 25	< 10	< 50	< 50	< 25
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 5	< 10	< 10	< 10	< 5
FLUORANTHENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
FLUORENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
HEXACHLOROBENZENE	UG/L	< 5.0	< 10	< 10	< 5	< 5.0	< 10	< 10	< 5
HEXACHLOROBUTADIENE	UG/L	< 10	< 100	< 100	< 50	< 10	< 100	< 100	< 50
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 1000	< 1000	< 500	< 10	< 1000	< 1000	< 500
HEXACHLOROETHANE	UG/L	< 5.0	< 120	< 120	< 60	< 5.0	< 120	< 120	< 60
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 60	< 60	< 30	< 10	< 60	< 60	< 30
ISOPHORONE	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15
NAPHTHALENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
NITROBENZENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
N-NITROSODIMETHYLAMINE	UG/L	< 5.0	< 300	< 300	< 150	< 5.0	< 300	< 300	< 150
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
PHENANTHRENE	UG/L	< 5.0	< 10	< 10	< 5	< 5.0	< 10	< 10	< 5
PYRENE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
2,3,7,8-TCDD	UG/L	A	< 30	< 30	< 15	A	< 30	< 30	< 15
2-CHLOROPHENOL	UG/L	< 5.0	< 80	< 80	< 40	< 5.0	< 80	< 80	< 40
1,2,4-TRICHLOROBENZENE	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15
2,4-DICHLOROPHENOL	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15
2,4-DIMETHYLPHENOL	UG/L	< 5.0	< 30	< 30	< 15	< 5.0	< 30	< 30	< 15

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-AVERAGE OF DUPS D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS16	SS16	SS16	SS16	SW16	SW16	SW16	SW16
		SJ10409	SJ12709	SJ13283	SJ28616	SJ10397	SJ12700	SJ13275	SJ28601
		01/09/91	02/27/91	03/13/91	12/29/91	01/09/91	02/27/91	03/13/91	12/29/91

## ACID-BASE NEUTRAL EXTRACT

2,4-DINITROPHENOL	UG/L	< 50	< 390	< 390	< 195	< 50	< 390	< 390	< 195
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 170	< 170	< 85	< 50	< 170	< 170	< 85
2-NITROPHENOL	UG/L	< 5.0	< 50	< 50	< 25	< 5.0	< 50	< 50	< 25
4-NITROPHENOL	UG/L	< 10	< 60	< 60	< 30	< 10	6 B	< 60	< 30
4-CHLORO-3-METHYLPHENOL	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
PENTACHLOROPHENOL	UG/L	< 10	< 160	< 160	< 80	< 10	< 160	< 160	< 80
PHENOL	UG/L	< 5.0	13 B	< 30	< 15	< 5.0	< 30	20 B	< 15
2,4,6-TRICHLOROPHENOL	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 5.0	< 20	< 20	< 10	< 5.0	< 20	< 20	< 10

FOOTNOTES : A-CONSTIT NOT ANALYZE B-VALUE <MDL, >IDL C-AVERAGE OF DUPS D-DUPLICATE SPIKE E-INSUFFICIENT SAMPLE



PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS16	910109 SJ10409	257,301=LB MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, ANTIMONY, ARSENIC, SELENIUM AND THALLIUM BNA'S MONTGOMERY LABS VOC's 1/11/91
SS16	910227 SJ12709	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL VOC's 3/1/91 BNA EXT 03-04-91 INJ 03-11-91 BLANK 812: 1 UG/L BNA TO BE RESET TO CONFIRM MATRIX INTERFERENCE. BNA; INSUFFICIENT SAMPLE FOR RESET.
SS16	910313 SJ13283	703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) VOC's 3/15/91

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SS16	910313 SJ13283	BNA EXT 03-15-91 INJ 03-29-91 BLANK 855: 1 UG/L BNA FOOTNOTE 35.
SS16	911229 SJ28616	C15 = MODIFIED 8015 EQUIVALENT VOC's 1/2/92 BNA EXT 12-31-91 INJ 01-14-92

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR ANALYTICAL SAMPLES

LOCATION	DATE/ JOB	NOTES
SW16	910109 SJ10397	MONTGOMERY LABS, TOTAL HYDROCARBONS(MODIFIED 8015) BCA LABS, WASTEWATER SAMPLES BNA'S MONTGOMERY LABS
SW16	910227 SJ12700	TOTAL HYDROCARBONS/MONTGOMERY LABS 705,720,725,734 BROWN & CALDWELL BNA EXT 03-04-91 INJ 03-08-91 BLANK 812: 1 UG/L BNA FOOTNOTE 35.
SW16	910313 SJ13275	VOC'S-NO VIAL PROVIDED. 703-737 BROWN & CALDWELL TOTAL HYDROCARBONS/MONTGOMERY LABS (MODIFIED 8015) BNA EXT 03-15-91 INJ 03-28-91 BLANK 855: 1 UG/L
SW16	911229 SJ28601	C15 = MODIFIED 8015 EQUIVALENT BNA EXT 12-31-91 INJ 01-08-92

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS17	SS17	SS17	SS17	SS17	SS17	SS17	SS17	SW17	SW17
		SJ52658	SJ54551	SJ71591	SJ71593	SJ72306	SJ74020	SJ74750	SJ52657	SJ54552	SJ71594
		02/18/93	03/26/93	02/04/94	02/04/94	02/17/94	03/24/94	04/09/94	02/18/93	03/26/93	02/04/94
					FLD DUP					NOT FLTR	
GENERAL											
PH	PH	6.90	5.67	6.5	6.6	7.1	8.1	7.5	6.93	5.81	6.6
CONDUCTIVITY	UMHOS/CM	882	2950	2320	2330	905	5750	5250	884	2950	2350
ANIONS											
NITRATE NITROGEN	MG/L N	0.72	1.46	7.2	6.0	6.3	20	13	0.46	1.93	6.6
SULFATE	MG/L SO4	334	1570	1100	1100	300	2200	2800	348	1480	1000
CHLORIDE	MG/L CL	39	154	160	160	55	830	450	39	155	160
CATIONS											
CALCIUM	MG/L CA	95.4	170	124	115	105	301	270	75.6	180	116
MAGNESIUM	MG/L MG	75.3	290	224	205	69.3	464	557	56.7	300	203
SODIUM	MG/L NA	29.8	130	108	108	46.6	435	266	34.2	130	114
POTASSIUM	MG/L K	23.2	21	17	16	19	84	50	12.4	22	16
IRON	MG/L FE	52.8	17	103	43.1	58.0	11.1	5.00	6.0	24	0.11
MANGANESE	MG/L MN	1.37	5.0	4.21	3.47	1.40	4.72	8.23	0.8	5.1	3.07
ORGANIC MATTER											
OIL & GREASE	MG/L EXTRAC	1.2								3.1	
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 1	< 0.25	< 0.25	< 0.25	0.33	0.45	< 0.05	< 1	
METALS											
ARSENIC	MG/L AS	0.014	0.008	0.004	<0.003	0.009	<0.003	<0.003	0.022	0.006	0.004
BARIUM	MG/L BA	0.64	0.18	1.27	0.53	1.88	0.09	0.06	0.10	0.25	< 0.02
CADMIUM	MG/L CD	0.01	0.048	0.04	0.02	< 0.01	0.02	0.03	< 0.01	0.051	< 0.01
TOTAL CHROMIUM	MG/L CR	0.21	0.048	0.24	0.10	< 0.02	0.03	0.04	0.02	0.063	< 0.02
COBALT	MG/L CO	0.04	0.099	0.10	0.07	< 0.05	< 0.05	0.11	< 0.04	0.10	< 0.05
LEAD	MG/L PB	0.04	< 0.05	< 0.10	< 0.10	0.18	< 0.05	< 0.05	< 0.04	< 0.05	< 0.10
MERCURY	MG/L HG	.0003 B	.0002	<.0005	<.0005	<.0005	<.0003	<.0003	<.0001	<.0001	<.0005
NICKEL	MG/L NI	0.38	1.2	0.81	0.52	0.28	0.37	1.04	0.16	1.2	0.33
SELENIUM	MG/L SE	0.009	0.004	< 0.01	< 0.01	< 0.01	<0.005	<0.005	0.012	0.003	< 0.01
SILVER	MG/L AG	<0.005	< 0.01	< 0.02	< 0.02	< 0.02	0.04	< 0.02	<0.005	< 0.01	< 0.02
ZINC	MG/L ZN	0.61	1.0	1.79	0.92	0.51	0.47	0.65	0.12	1.1	0.26
ANTIMONY	MG/L SB	0.003	0.002	<0.003	<0.003	<0.003	<0.003	<0.003	0.004	0.002	<0.003
BERYLLIUM	MG/L BE	< 0.01	.0034	< 0.02	< 0.02	< 0.02	<0.004	<0.004	< 0.01	.0047	< 0.02
MOLYBDENUM	MG/L MO	0.02	< 0.04	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.02	< 0.04	< 0.20
THALLIUM	MG/L TL	<0.050	<0.002	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.050	<0.002	< 0.01
VANADIUM	MG/L V	0.28	0.052	0.30	< 0.05	0.24	< 0.05	< 0.05	0.04	0.073	< 0.05

FOOTNOTES : A-TEST NOT REQUIRED B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS17	SS17	SS17	SS17	SS17	SS17	SS17	SS17	SW17	SW17
		SJ52658	SJ54551	SJ71591	SJ71593	SJ72306	SJ74020	SJ74750	SJ52657	SJ54552	SJ71594
		02/18/93	03/26/93	02/04/94	02/04/94	02/17/94	03/24/94	04/09/94	02/18/93	03/26/93	02/04/94
					FLD DUP					NOT FLTR	
VOLATILE ORGANIC COMPOUNDS											
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 3	< 3	< 3	< 3	< 3			A
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
BROMOFORM	UG/L	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1			A
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
BENZENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
TOLUENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 1	< 1	< 1	< 1	< 1			A
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0		C	C	C	C			A
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 1	< 1	< 1	< 1	< 1			A
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			A
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3		C	C	C	C			A
ACID-BASE NEUTRAL EXTRACTABLE											
ACENAPHTHENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
ACENAPHTHYLENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
ANTHRACENE	UG/L	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	
BENZIDINE	UG/L	< 62	< 50	< 50	< 50	< 50	< 50	< 50	< 62	< 50	
BENZO(A)ANTHRACENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
BENZO(A)PYRENE	UG/L	< 7	< 5	< 5	< 5	< 5	< 5	< 5	< 7	< 5	
BENZO(B)FLUORANTHENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 10	< 10	< 10	< 10	< 10	< 10	< 6	< 10	
BENZO(K)FLUORANTHENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN	
		SS17	SS17	SS17	SS17	SS17	SS17	SS17	SS17	SW17	SW17	SW17
		SJ52658	SJ54551	SJ71591	FLD DUP	SJ71593	SJ72306	SJ74020	SJ74750	SJ52657	SJ54552	SJ71594
		02/18/93	03/26/93	02/04/94	02/04/94	02/04/94	02/17/94	03/24/94	04/09/94	02/18/93	03/26/93	02/04/94
ACID-BASE NEUTRAL EXTRACTABLE												
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 3	< 10	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 10	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 3	< 10	
DIETHYLHEXYL PHTHALATE	UG/L	< 10	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 9	< 5	
BUTYLBENZYL PHTHALATE	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
2-CHLORONAPHTHALENE	UG/L	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
CHRYSENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 6	< 10	
1,2-DICHLOROBEZENE	UG/L	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	
1,3-DICHLOROBEZENE	UG/L	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	
1,4-DICHLOROBEZENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 50	
DIETHYL PHTHALATE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 5	
DIMETHYL PHTHALATE	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 3	< 5	
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 4	< 10	
2,4-DINITROTOLUENE	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
2,6-DINITROTOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 10	
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	
FLUORANTHENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
FLUORENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
HEXACHLOROBEZENE	UG/L	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	
HEXACHLOROETHANE	UG/L	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 5	
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 6	< 10	
ISOPHORONE	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
NAPHTHALENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
NITROBENZENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 30	< 5	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
PHENANTHRENE	UG/L	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	
PYRENE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	
2,3,7,8-TCDD	UG/L	< 3	< 0.010	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 0.010	
2-CHLOROPHENOL	UG/L	< 8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 8	< 5	
1,2,4-TRICHLOROBEZENE	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
2,4-DICHLOROPHENOL	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
2,4-DIMETHYLPHENOL	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5	
2,4-DINITROPHENOL	UG/L	< 39	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 39	< 50	
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 17	< 50	
2-NITROPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN SS17	RUN SS17	RUN SS17	RUN SS17 FLD DUP	RUN SS17	RUN SS17	RUN SS17	RUN SW17	RUN SW17 NOT FLTR	RUN SW17
		SJ52658 02/18/93	SJ54551 03/26/93	SJ71591 02/04/94	SJ71593 02/04/94	SJ72306 02/17/94	SJ74020 03/24/94	SJ74750 04/09/94	SJ52657 02/18/93	SJ54552 03/26/93	SJ71594 02/04/94

ACID-BASE NEUTRAL EXTRACTABLE

4-NITROPHENOL	UG/L	< 6	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 6	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5
PENTACHLOROPHENOL	UG/L	< 16	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 16	< 10
PHENOL	UG/L	< 3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 3	< 5
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5

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## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN
		SW17 FLD DUP SJ71596 02/04/94	SW17 SJ72304 02/17/94	SW17 SJ74024 03/24/94	SW17 SJ74748 04/09/94
<b>GENERAL</b>					
PH	PH	6.6	7.1	8.0	7.4
CONDUCTIVITY	UMHOS/CM	2380	899	6060	5240
<b>ANIONS</b>					
NITRATE NITROGEN	MG/L N	6.9	6.3	18	12
SULFATE	MG/L SO4	1300	730	2200	2400
CHLORIDE	MG/L CL	190	53	840	450
<b>CATIONS</b>					
CALCIUM	MG/L CA	117	72.7	300	281
MAGNESIUM	MG/L MG	206	45.7	476	575
SODIUM	MG/L NA	117	46.8	433	288
POTASSIUM	MG/L K	15	18	83	47
IRON	MG/L FE	0.06	< 0.10	0.14	0.20
MANGANESE	MG/L MN	3.12	0.42	3.18	9.12
<b>METALS</b>					
ARSENIC	MG/L AS	0.006	0.008	<0.003	<0.003
BARIUM	MG/L BA	< 0.02	0.07	0.03	0.04
CADMIUM	MG/L CD	< 0.01	< 0.01	<0.005	0.03
TOTAL CHROMIUM	MG/L CR	< 0.02	< 0.02	< 0.02	0.03
COBALT	MG/L CO	< 0.05	< 0.05	< 0.05	0.11
LEAD	MG/L PB	< 0.10	< 0.10	< 0.05	< 0.05
MERCURY	MG/L HG	<.0005	<.0005	0.004	<.0003
NICKEL	MG/L NI	0.33	0.08	0.30	1.06
SELENIUM	MG/L SE	< 0.01	< 0.01	<0.005	<0.005
SILVER	MG/L AG	< 0.02	< 0.02	< 0.02	< 0.02
ZINC	MG/L ZN	0.27	0.06	0.11	0.48
ANTIMONY	MG/L SB	<0.003	<0.003	<0.003	<0.003
BERYLLIUM	MG/L BE	< 0.02	< 0.02	<0.004	<0.004
MOLYBDENUM	MG/L MO	< 0.20	< 0.20	< 0.20	< 0.20
THALLIUM	MG/L TL	< 0.01	< 0.01	< 0.01	< 0.01
VANADIUM	MG/L V	< 0.05	< 0.05	< 0.05	< 0.05

FOOTNOTES : A-TEST NOT REQUIRED B-DUPLICATE SPIKE C-CONSTIT NOT ANALYZE



LABORATORY NOTES

LOCATION TYPE	DATE/ JOB	NOTES
---- RUN	021893 SJ52657	TEST 108, CATION EXCHANGE CAPACITY CAN ONLY BE PERFORMED ON SOLID SAMPLES. THIS TEST HAS BEEN DELETED FROM REQUEST ML REPORT #5718; TOTAL HYDROCARBONS. VOC'S -- NO VOA VIAL SUBMITTED. BNA EXT 02-24-93 INJ 03-09-93 BLANK 812: 5 UG/L
---- RUN	021893 SJ52658	ML REPORT #5718; TOTOAL HYDROCARBONS. VOC's 02/24/93 BNA EXT 02-24-93 INJ 03-09-93 BLANK 812: 5 UG/L
---- RUN	032693 SJ54551	BC REPORT #G93-03-447; TOTAL METALS. ML REPORT #6206. BNAS. ML REPORT #6231; MOD 8015 VOC's 03/29/93
---- RUN	032693 SJ54552	BC REPORT #G93-03-447; TOTAL METALS. ML REPORT #6206; BNAS. ML REPORT #6231; MOD 8015 REPORT AMENDED 06/09/93 (CRW). FILTRATION WAS NOT PERFORMED ON METALS ALIQUOT PRIOR TO ANALYSIS AT BCA. REPORTED RESULTS ARE FOR TOTAL METALS.
---- RUN	020494 SJ71591	ML REPORT#11869;BNA EXTRACTABLE, HYDROCARBONS, PURGEABLE HALOCARBONS AND AROMATICS (VOLATILE ORGANICS).THALLIUM. POTASSIUM NET REPORT #94.00205; PH, COND, ANIONS, METALS
---- RUN	020494 SJ71593	ML REPORT#11869; HYDROCARBONS,POTASSIUM,THALLIUM. BNA EXTRACTABLE. PURGEABLE HALOCARBON/AROMATICS(VOLATILE ORGANICS. NE REPORT#94.00205; PH, COND, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	020494 SJ71595	ML REPORT# 11869; POTASSIUM, THALLIUM. NE REPORT# 94.00205; PH, COND, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	020494 SJ71596	ML REPORT#11869, POTASSIUM, THALLIUM. NE REPORT# 94.00205; PH, COND, SULFATE, CHLORIDE, NITRATE, TOTAL METALS.
---- RUN	021794 SJ72304	ML REPORT#12015; POTASSIUM, THALLIUM. NE REPORT#94.00274; PH, NITRATE, COND, SULFATE, CHLORIDE, TOTAL METALS.

LABORATORY NOTES

LOCATION TYPE	DATE/ JOB	NOTES
----- ---- RUN	021794 SJ72306	ML REPORT# 12015; HYDROCARBON, POTASSIUM, THALLIUM, BNA EXTRACTABLE, PURGEABLE HALOCARBONS/ AROMATICS (VOLATILE ORGANICS). NET REPORT #94.00274; TOTAL METALS, PH, COND., ANAIONS
---- RUN	032494 SJ74021	ML REPORT#12595; BNA EXTRACTABLE, PURGEABLE (HALOCARBONS & AROMATICS), DIOXIN, HYDROCARBONS, THALLIUM, POTASSIUM. NE REPORT #94.00457, PH, SULFATE, CHLORIDE, CONDUCTIVITY, NITRATE, TOTAL METALS.
---- RUN	032494 SJ74024	A .45 MICRON FILTER PRIOR TO ANALYSIS  ML REPORT# POTASSIUM AND THALLIUM. NE REPORT #94.00457; PH, CONDUCTIVITY, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	040994 SJ74748	ML REPORT #12864; POTASSIUM, THALLIUM.  NE REPORT #94.00551; PH, CONDUCTIVITY, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	040994 SJ74750	ML REPORT #12864; DIOXINS, HIGH BP HYDROCARBONS, POTASSIUM, THALLIUM, BNAS, PURGEABLE HALOCARBONS, PURGEABLE AROMATICS. NE REPORT #94.00551; PH, CONDUCTIVITY, SULFATE, CHLORIDE TOTAL METALS.

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS18	SS18	SS18	SS18	SW18	SW18	SW18	SW18
		SJ71592	SJ72307	SJ74021	SJ74751	SJ71595	SJ72305	SJ74025	SJ74749
		02/04/94	02/17/94	03/24/94	04/09/94	02/04/94	02/17/94	03/24/94	04/09/94
<b>GENERAL</b>									
PH	PH	6.7	7.3	7.3	6.9	6.7	7.3	7.3	6.9
CONDUCTIVITY	UMHOS/CM	443	915	315	217	442	925	321	217
<b>ANIONS</b>									
NITRATE NITROGEN	MG/L N	2.2	13	< 1.0	< 1	1.3	12	< 1.0	< 1
SULFATE	MG/L SO4	73	280	70	42	92	260	68	40
CHLORIDE	MG/L CL	42	64	22	14	43	58	21	13
<b>CATIONS</b>									
CALCIUM	MG/L CA	33.2	87.1	33.6	19.0	22.2	87.2	24.4	18.4
MAGNESIUM	MG/L MG	21.7	43.4	19.8	7.30	11.2	38.7	9.81	7.63
SODIUM	MG/L NA	17.6	48.1	19.4	9.30	17.1	49.8	18.1	9.20
POTASSIUM	MG/L K	36	13	10	8.2	34	12	9.8	8.1
IRON	MG/L FE	28.1	22.1	32.9	0.38	0.44	< 0.10	0.18	0.15
MANGANESE	MG/L MN	0.45	0.39	0.48	0.07	0.16	0.15	0.09	< 0.02
<b>ORGANIC MATTER</b>									
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.25	< 0.25	0.30	0.32				
<b>METALS</b>									
ARSENIC	MG/L AS	0.004	0.010	0.008	<0.003	0.004	0.004	<0.003	<0.003
BARIUM	MG/L BA	0.34	0.24	0.30	< 0.02	0.03	0.04	< 0.02	< 0.02
CADMIUM	MG/L CD	< 0.01	< 0.01	0.006	<.0005	< 0.01	< 0.01	<0.005	<0.005
TOTAL CHROMIUM	MG/L CR	0.07	0.09	0.09	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
COBALT	MG/L CO	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
LEAD	MG/L PB	< 0.10	< 0.10	< 0.05	< 0.05	< 0.10	< 0.10	< 0.05	< 0.05
MERCURY	MG/L HG	<.0005	<.0005	<.0003	<.0003	<.0005	<.0005	<.0003	<.0003
NICKEL	MG/L NI	< 0.05	0.12	0.13	< 0.05	< 0.05	0.07	< 0.05	< 0.05
SELENIUM	MG/L SE	< 0.01	< 0.01	0.006	<0.005	< 0.01	< 0.01	<0.005	<0.005
SILVER	MG/L AG	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
ZINC	MG/L ZN	0.34	0.27	0.35	< 0.02	0.07	0.10	0.06	0.05
ANTIMONY	MG/L SB	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BERYLLIUM	MG/L BE	< 0.02	< 0.02	<0.004	<0.004	< 0.02	< 0.02	<0.004	<0.004
MOLYBDENUM	MG/L MO	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
THALLIUM	MG/L TL	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
VANADIUM	MG/L V	0.08	< 0.05	0.09	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

FOOTNOTES : A-CONSTIT NOT ANALYZE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS1B	SS1B	SS1B	SS1B	SW1B	SW1B	SW1B	SW1B
		SJ71592	SJ72307	SJ74021	SJ74751	SJ71595	SJ72305	SJ74025	SJ74749
		02/04/94	02/17/94	03/24/94	04/09/94	02/04/94	02/17/94	03/24/94	04/09/94
VOLATILE ORGANIC COMPOUNDS									
METHYLENE CHLORIDE	UG/L	< 3	< 3	< 3	< 3				
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOFORM	UG/L	< 1	< 1	< 1	< 1				
CHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
O-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
M-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
P-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TOLUENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
BROMOMETHANE	UG/L	< 1	< 1	< 1	< 1				
CHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
2-CHLOROETHYL VINYLETHER	UG/L		A		A				A
CHLOROMETHANE	UG/L	< 1	< 1	< 1	< 1				
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5				
CIS-1,2-DICHLOROETHYLENE	UG/L		A		A				A
ACID-BASE NEUTRAL EXTRACTABLE									
ACENAPHTHENE	UG/L	< 5	< 5	< 5	< 5				
ACENAPHTHYLENE	UG/L	< 5	< 5	< 5	< 5				
ANTHRACENE	UG/L	< 5	< 5	< 5	< 5				
BENZIDINE	UG/L	< 50	< 50	< 50	< 50				
BENZO(A)ANTHRACENE	UG/L	< 5	< 5	< 5	< 5				
BENZO(A)PYRENE	UG/L	< 5	< 5	< 5	< 5				
BENZO(B)FLUORANTHENE	UG/L	< 5	< 5	< 5	< 5				
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 10	< 10	< 10				
BENZO(K)FLUORANTHENE	UG/L	< 5	< 5	< 5	< 5				

FOOTNOTES : A-CONSTIT NOT ANALYZE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN	RUN	RUN	RUN	RUN
		SS18	SS18	SS18	SS18	SW18	SW18	SW18	SW18
		SJ71592	SJ72307	SJ74021	SJ74751	SJ71595	SJ72305	SJ74025	SJ74749
		02/04/94	02/17/94	03/24/94	04/09/94	02/04/94	02/17/94	03/24/94	04/09/94
ACID-BASE NEUTRAL EXTRACTABLE									
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
DIETHYLHEXYL PHTHALATE	UG/L	< 20	< 5	< 20	< 20	< 20	< 20	< 20	< 20
4-BROMOPHENYL PHENYLETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BUTYLBENZYL PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-CHLORONAPHTHALENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
CHRYSENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
DIBENZO(A,H)ANTHRACENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DICHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-DICHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-DICHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-DICHLOROBENZIDINE	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
DIETHYL PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
DIMETHYL PHTHALATE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-DINITROTOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-DINITROTOLUENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
FLUORANTHENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
FLUORENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
HEXACHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROCYCLOPENTADIENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
HEXACHLOROETHANE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ISOPHORONE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
NAPHTHALENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
NITROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PHENANTHRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PYRENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,3,7,8-TCDD	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-CHLOROPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-TRICHLOROBENZENE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-DICHLOROPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-DIMETHYLPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-DINITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-METHYL-4,6DINITROPHENOL	UG/L	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-NITROPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

FOOTNOTES : A-CONSTIT NOT ANALYZE

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

		RUN SS18	RUN SS18	RUN SS18	RUN SS18	RUN SW18	RUN SW18	RUN SW18	RUN SW18
CONSTITUENT/WELL NO.	UNITS	SJ71592 02/04/94	SJ72307 02/17/94	SJ74021 03/24/94	SJ74751 04/09/94	SJ71595 02/04/94	SJ72305 02/17/94	SJ74025 03/24/94	SJ74749 04/09/94
ACID-BASE NEUTRAL EXTRACTABLE									
4-NITROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-CHLORO-3-METHYLPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
PENTACHLOROPHENOL	UG/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-TRICHLOROPHENOL	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-NITROSODIPHENYLAMINE	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

FOOTNOTES : A-CONSTIT NOT ANALYZE

LABORATORY NOTES

LOCATION TYPE	DATE/ JOB	NOTES
---- RUN	020494 SJ71592	ML REPORT# 11869; HYDROCARBONS,BNA EXTRACTABLE, PURGEABLE HALOCARBONS AND AROMATICS( VOLATILE ORGANICS).POTASSIUM,THAL LIUM. NE REPORT# 94.00205; PH, COND, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	020494 SJ71595	ML REPORT# 11869; POTASSIUM, THALLIUM. NE REPORT# 94.00205; PH, COND, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	021794 SJ72305	ML REPORT#12015; POTASSIUM, THALLIUM. NE REPORT#94.00274; PH, NITRATE, COND, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	021794 SJ72307	ML REPORT#12015; HYDROCARBON, POTASSIUM, THALLIUM, BNA EXTRACTABLE, PURGEABLE HALOCARBONS/AROMATICS (VOLATILE ORGANICS). NE REPORT#94.00274; PH, COND, CHLORIDE, SULFATE, NITRATE, TOTAL METALS.
---- RUN	032494 SJ74021	ML REPORT#12595; BNA EXTRACTABLE, PURGEABLE (HALOCARBONS & AROMATICS), DIOXIN, HYDROCARBONS, THALLIUM, POTASSIUM. NE REPORT #94.00457, PH, SULFATE, CHLORIDE, CONDUCTIVITY, NITRATE,TOTAL METALS.
---- RUN	032494 SJ74025	A .45 MICRON FILTER PRIOR TO ANALYSIS ML REPORT# 12595; POTASSIUM AND THALLIUM. NE REPORT #94.00457; PH, CONDUCTIVITY, SULFATE, CHLORIDE, NITRATE, TOTAL METALS.
---- RUN	040994 SJ74749	ML REPORT #12864; POTASSIUM, THALLIUM. NE REPORT #94.00551; PH, CONDUCTIVITY, NITRATE, SULFATE, CHLORIDE, TOTAL METALS.
---- RUN	040994 SJ74751	ML REPORT 12864; DIOXINS, HIGH BP HYDROCARBONS, POTASSIUM, THALLIUM, BNAS, PURGEABLE HALOCAROBONS, PURGEABLE AROMATICS. NE REPORT #94.00551; PH, CONDUCTIVITY, SULFATE, CHLORIDE, NITRATE, TOTAL METALS.