

**PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT**

APPENDIX A.3.2.1

**ANALYTICAL DATA;
GROUND WATER SAMPLES FROM RI BORINGS**

PALOS VERDES LANDFILL DPRIR

STATISTICAL SUMMARY OF UPGRADIENT GROUNDWATER SAMPLES
COLLECTED DURING HCP BORING PROGRAM

GENERAL

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
101	PH	PH	24	24	6.60	8.45	7.3983	0.3837
102	CONDUCTIVITY	UMHOS/CM	24	24	725	7500	3018.5417	1409.3010

ANIONS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
204	NITRATE NITROGEN	MG/L N	24	21	ND	74.5	4.0844	15.0488 *
257	SULFATE	MG/L SO4	24	24	24.0	3830	1057.0417	858.4527
301	CHLORIDE	MG/L CL	24	24	60.0	1050	296.0417	219.8388

CATIONS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
703	CALCIUM	MG/L CA	24	24	59.1	996	394.5625	226.2197
704	MAGNESIUM	MG/L MG	24	24	33.3	796	233.8458	171.4502
723	SODIUM	MG/L NA	24	24	46	329	144.8333	66.3440
719	POTASSIUM	MG/L K	24	24	3	46.8	16.6083	11.8056
713	IRON	MG/L FE	24	24	0.42	583	51.7129	119.3195
716	MANGANESE	MG/L MN	24	24	0.04	8.01	1.2521	1.7541

ORGANIC MATTER

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
408	OIL & GREASE	MG/L EXTRACT	15	12	ND	80	7.2867	20.1721 *
C15	HYDROCARBONS-MODIFIEDB015	MG/L HC	24	4	ND	0.5	0.0529	0.0978 *

METALS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
705	ARSENIC	MG/L AS	24	20	ND	3.6	0.2048	0.7453 *
706	BARIUM	MG/L BA	24	23	ND	10.8	1.2225	2.6326 *
708	CADMIUM	MG/L CD	24	21	ND	0.16	0.0498	0.0427 *
709	TOTAL CHROMIUM	MG/L CR	24	23	ND	1.08	0.2554	0.3240 *

* - Analysis used 1/2 of the detection limit for "not detected" values

NA - Not Applicable

PALOS VERDES LANDFILL DPRIR

STATISTICAL SUMMARY OF UPGRADIENT GROUNDWATER SAMPLES
COLLECTED DURING HCP BORING PROGRAM

METALS

Test Code	Constituent	Units		Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
714	LEAD	MG/L	PB	24	3	ND	0.22	0.0325	0.0428	*
717	MERCURY	MG/L	HG	24	24	0.0001	0.0314	0.0049	0.0085	
718	NICKEL	MG/L	NI	24	24	0.03	31	1.6829	6.2589	
720	SELENIUM	MG/L	SE	24	23	ND	2.9	0.2363	0.7159	*
722	SILVER	MG/L	AG	24	18	ND	0.030	0.0103	0.0077	*
724	ZINC	MG/L	ZN	23	21	ND	7.72	1.1035	1.9794	*
725	ANTIMONY	MG/L	SB	24	1	ND	0.034	0.0270	0.0691	*
726	BERYLLIUM	MG/L	BE	24	1	ND	0.02	0.0056	0.0031	*
732	MOLYBDENUM	MG/L	MO	24	24	0.05	3.25	0.6400	0.7443	
737	VANADIUM	MG/L	V	24	24	0.03	2.88	0.4521	0.7354	

VOLATILE ORGANIC COMPOUNDS

Test Code	Constituent	Units		Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
601	METHYLENE CHLORIDE	UG/L		25	1	ND	2.2	0.4480	0.4305	*
602	CHLOROFORM	UG/L		25	4	ND	1.9	0.4220	0.4335	*
621	TOLUENE	UG/L		25	4	ND	3.2	0.4740	0.6395	*

ACID-BASE-NEUTRAL EXTRACTABLE

Test Code	Constituent	Units		Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
812	DIETHYLHEXYL PHTHALATE	UG/L		24	4	ND	718	173.3333	518.9282	*
828	DI-N-OCTYL PHTHALATE	UG/L		24	1	ND	55	76.6875	254.7308	*

QA/QC SURROGATE SPIKE RESULTS

Test Code	Constituent	Units		Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
S01	2-FLUOROPHENOL	%	RECOVERY	24	24	41	99	66.2500	13.0725	
S02	PHENOL-D5	%	RECOVERY	24	24	45	91	68.2083	14.8762	
S03	NITROBENZENE-D5	%	RECOVERY	24	24	70	116	84.3333	11.1186	
S04	DECAFLUOROBIPHENYL	%	RECOVERY	24	24	25	68	43.6250	12.7068	
S05	2-FLUOROBIPHENYL	%	RECOVERY	24	24	57	127	80.8333	14.4573	
S06	2,4,6-TRIBROMOPHENOL	%	RECOVERY	24	24	59	131	90.4167	16.7460	
S07	P-TERPHENYL-D14	%	RECOVERY	24	24	25	115	76.9583	24.1165	

* - Analysis used 1/2 of the detection limit for "not detected" values

NA - Not Applicable

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-21	RFB-27	RFB-21	RFB-30	RFB-27	RFB-18	RFB-32	L-1	RFB-22	L-2
		28 FT. SJ99724 07/26/90	57 FT. SJ99794 07/27/90	30 FT. SJ99996 08/01/90	75 FT. SJ00120 08/03/90	55 FT. SJ00121 08/03/90	223 FT. SJ00185 08/06/90	123 FT. SJ00520 08/13/90	119 FT. SJ00760 08/16/90	100 FT. SJ00906 08/20/90	90 FT. SJ01045 08/21/90
GENERAL											
PH	PH	7.60	7.18	7.00 F	7.38	7.50	7.10	6.60	7.52	B	7.40 F
CONDUCTIVITY	UMHOS/CM	2330	2470	2590 F	7500	2170	2400	3420	2890	B	3140
ANIONS											
NITRATE NITROGEN	MG/L N	0.41	0.41	0.10 C	74.5	0.87	0.06	0.06	0.26	B	0.09 G
SULFATE	MG/L SO4	393	1010	444	3830	876	732	1330	516	B	1280 G
CHLORIDE	MG/L CL	61	156	366 G	1050	152	131	466	479	B	154 G
CATIONS											
CALCIUM	MG/L CA	274	225 C	996	579	185	368 C	574	571		421
MAGNESIUM	MG/L MG	158	103 C	469	796	76.0	187 C	286	268		258
SODIUM	MG/L NA	107	188 C	118	174	215	126 C	126	89.2		99.8
POTASSIUM	MG/L K	6	28.5 C	28.7	13.9	26.4	42.3 C	46.8	15.7		12
IRON	MG/L FE	6.98	0.47 C	91.3	0.59	26.8	81.1 C	583	58.8		63.1
MANGANESE	MG/L MN	0.18	0.76 C	0.95	2.72	0.73	0.86 C	8.01	0.86		1.36
ORGANIC MATTER											
OIL & GREASE	MG/L EXTRAC		A	A	80	A < 1 F	3.6 F	1.1 F	1.4 F	B	1.4
HYDROCARBONS-MODIFIED8015	MG/L HC	0.07	B < 0.05	< 0.05	< 0.05	< 0.05	0.1	0.1	< 0.05	0.5	< 0.05
METALS											
ARSENIC	MG/L AS	0.89	3.6	0.08	0.09	0.01	0.051	0.094	.0019		.0005
BARIUM	MG/L BA	0.63	0.02 C	3.84	0.04	0.34	0.26 C	7.22	3.12		0.82
CADMIUM	MG/L CD	0.03	0.02 C	0.13	0.06	0.02	0.05 C	0.15	0.08		0.06
TOTAL CHROMIUM	MG/L CR	0.11	0.05 C	0.97	0.12	0.15	0.40 C	1.04	0.44		0.25
LEAD	MG/L PB	< 0.04	< 0.04 C	0.05	< 0.04	< 0.04	< 0.04 C	< 0.04	< 0.04		< 0.04
MERCURY	MG/L HG	.0140	.0013	.0018	.0314	.0005	.0004	.0017	.0006	B	.0001
NICKEL	MG/L NI	0.24	0.10 C	1.27	0.36	0.16	0.44 C	1.49	1.17		0.35
SELENIUM	MG/L SE	<.0005	2.16	0.09	2.9	0.02	0.040	0.016	0.026		.0051
SILICON	MG/L SI02										
SILVER	MG/L AG	0.006	0.005 C	0.024	0.016	0.005	<0.005 C	0.030	0.012		0.01
ZINC	MG/L ZN	0.13	< 0.02 E	1.60	< 0.02	0.25	1.22 C	6.16	1.13		0.25
ANTIMONY	MG/L SB	< 0.5	< 0.5	<0.005	< 0.03	< 0.03	< 0.03	< 0.03	<0.005		<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01 C	0.02	< 0.01	< 0.01	< 0.01 C	< 0.01	< 0.01		< 0.01
MOLYBDENUM	MG/L MO	0.51	0.22 C	0.72	1.92	0.24	0.16 C	1.66	0.72		3.25
THALLIUM	MG/L TL	< 0.5	< 0.5	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	<0.005		<0.005
VANADIUM	MG/L V	0.24	0.03 C	2.88	0.08	0.14	0.56 C	1.50	0.62		0.46

FOOTNOTES : A-CONSTIT NOT ANALYZE B-INSUFFICIENT SAMPLE C-DUPLICATE SPIKE D-VALUE <MDL, >IDL E-INTERFERENCE
 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

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		28 FT. SJ99724 07/26/90	57 FT. SJ99794 07/27/90	30 FT. SJ99996 08/01/90	75 FT. SJ00120 08/03/90	55 FT. SJ00121 08/03/90	223 FT. SJ00185 08/06/90	123 FT. SJ00520 08/13/90	119 FT. SJ00760 08/16/90	100 FT. SJ00906 08/20/90	90 FT. SJ01045 08/21/90
VOLATILE ORGANIC COMPOUND											
VOLATILE ORGANIC COMPOUND											
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 2.5	< 0.5	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.2 H	< 0.5
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5
O-XYLENE	UG/L	< 0.5	< 0.5		A < 0.5	< 0.5		A	A < 0.5	A < 0.5	A
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M+P-XYLENE	UG/L	< 0.5	< 0.5		A < 0.5	< 0.5		A	A < 0.5	A < 0.5	A
ACID-BASE NEUTRAL EXTRACT											
ACENAPHTHENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
ACENAPHTHYLENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
ANTHRACENE	UG/L	< 500	< 4	< 4	< 10	< 1	< 10	< 100	< 10		B < 1
BENZIDINE	UG/L	<30997	< 248	< 248	< 620	< 62	< 620	< 6199	< 620		B < 62

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		28 FT. SJ99724 07/26/90	57 FT. SJ99794 07/27/90	30 FT. SJ99996 08/01/90	75 FT. SJ00120 08/03/90	55 FT. SJ00121 08/03/90	223 FT. SJ00185 08/06/90	123 FT. SJ00520 08/13/90	119 FT. SJ00760 08/16/90	100 FT. SJ00906 08/20/90	90 FT. SJ01045 08/21/90
ACID-BASE NEUTRAL EXTRACT											
BENZO(A)ANTHRACENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
BENZO(A)PYRENE	UG/L	< 3500	< 28	< 28	< 70	< 7	< 70	< 700	< 70		B < 7
BENZO(B)FLUORANTHENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
BENZO(G.H.I.)PERYLENE	UG/L	< 3000	< 24	< 24	< 60	< 6	< 60	< 600	< 60		B < 6
BENZO(K)FLUORANTHENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
BIS(2-CL-ETHOXY)METHANE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
BIS(2-CHLOROETHYL)ETHER	UG/L	< 2500	< 20	< 20	< 50	< 5	< 50	< 500	< 50		B < 5
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
DIETHYLHEXYL PHTHALATE	UG/L	< 5000	8 D	< 40	302	37	718	415 D	< 100		B < 10
4-BROMOPHENYL PHENYLETHER	UG/L	< 4500	< 36	< 36	< 90	< 9	< 90	< 900	< 90		B < 9
BUTYLBENZYL PHTHALATE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2-CHLORONAPHTHALENE	UG/L	< 500	< 4	< 4	< 10	< 1	< 10	< 100	< 10		B < 1
4-CHLOROPHENYLPHENYLETHER	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
CHRYSENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
DIBENZO(A,H)ANTHRACENE	UG/L	< 3000	< 24	< 24	< 60	< 6	< 60	< 600	< 60		B < 6
1,2-DICHLOROBENZENE	UG/L	< 5000	< 40	< 40	< 100	< 10	< 100	< 1000	< 100		B < 10
1,3-DICHLOROBENZENE	UG/L	< 5000	< 40	< 40	< 100	< 10	< 100	< 1000	< 100		B < 10
1,4-DICHLOROBENZENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
3,3'-DICHLOROBENZIDINE	UG/L	<49995	< 400	< 400	< 1000	< 100	< 1000	< 9999	< 1000		B < 100
DIETHYL PHTHALATE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
DIMETHYL PHTHALATE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
DI-N-BUTYL PHTHALATE	UG/L	< 2000	< 16	< 16	< 40	< 4	< 40	< 400	< 40		B < 4
2,4-DINITROTOLUENE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2,6-DINITROTOLUENE	UG/L	< 2500	< 20	< 20	< 50	< 5	< 50	< 500	< 50		B < 5
DI-N-OCTYL PHTHALATE	UG/L	< 2500	< 20	< 20	< 50	< 5	< 50	< 500	< 50		B < 5
1,2-DIPHENYLHYDRAZINE	UG/L	< 500	< 4	< 4	< 10	< 1	< 10	< 100	< 10		B < 1
FLUORANTHENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
FLUORENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
HEXACHLOROBENZENE	UG/L	< 500	< 4	< 4	< 10	< 1	< 10	< 100	< 10		B < 1
HEXACHLOROBUTADIENE	UG/L	< 5000	< 40	< 40	< 100	< 10	< 100	< 1000	< 100		B < 10
HEXACHLOROCCYCLOPENTADIENE	UG/L	<49995	< 400	< 400	< 1000	< 100	< 1000	< 9999	< 1000		B < 100
HEXACHLOROETHANE	UG/L	< 5999	< 48	< 48	< 120	< 12	< 120	< 1200	< 120		B < 12
INDENO(1,2,3-C,D)PYRENE	UG/L	< 3000	< 24	< 24	< 60	< 6	< 60	< 600	< 60		B < 6
ISOPHORONE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
NAPHTHALENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
NITROBENZENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
N-NITROSODIMETHYLAMINE	UG/L	<14998	< 120	< 120	< 300	< 30	< 300	< 3000	< 300		B < 30
N-NITROSODI-N-PROPYLAMINE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
PHENANTHRENE	UG/L	< 500	< 4	< 4	< 10	< 1	< 10	< 100	< 10		B < 1
PYRENE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
2,3,7,8-TCDD	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2-CHLOROPHENOL	UG/L	< 4000	< 32	< 32	< 80	< 8	< 80	< 800	< 80		B < 8
1,2,4-TRICHLOROBENZENE	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3

FOOTNOTES : A-CONSTIT NOT ANALYZE B-INSUFFICIENT SAMPLE C-DUPLICATE SPIKE D-VALUE <MDL, >IDL E-INTERFERENCE
 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-21 28 FT. SJ99724 07/26/90	RFB-27 57 FT. SJ99794 07/27/90	RFB-21 30 FT. SJ99996 08/01/90	RFB-30 75 FT. SJ00120 08/03/90	RFB-27 55 FT. SJ00121 08/03/90	RFB-18 223 FT. SJ00185 08/06/90	RFB-32 123 FT. SJ00520 08/13/90	L-1 119 FT. SJ00760 08/16/90	RFB-22 100 FT. SJ00906 08/20/90	L-2 90 FT. SJ01045 08/21/90
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ACID-BASE NEUTRAL EXTRACT

2,4-DICHLOROPHENOL	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2,4-DIMETHYLPHENOL	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2,4-DINITROPHENOL	UG/L	<19498	< 156	< 156	< 390	< 39	< 390	< 3900	< 390		B < 39
2-METHYL-4,6DINITROPHENOL	UG/L	< 8499	< 68	< 68	< 170	< 17	< 170	< 1700	< 170		B < 17
2-NITROPHENOL	UG/L	< 2500	< 20	< 20	< 50	< 5	< 50	< 500	< 50		B < 5
4-NITROPHENOL	UG/L	< 3000	< 24	< 24	< 60	< 6	< 60	< 600	< 60		B < 6
4-CHLORO-3-METHYLPHENOL	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
PENTACHLOROPHENOL	UG/L	< 7999	< 64	< 64	< 160	< 16	< 160	< 1600	< 160		B < 16
PHENOL	UG/L	< 1500	< 12	< 12	< 30	< 3	< 30	< 300	< 30		B < 3
2,4,6-TRICHLOROPHENOL	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2
N-NITROSODIPHENYLAMINE	UG/L	< 1000	< 8	< 8	< 20	< 2	< 20	< 200	< 20		B < 2

FOOTNOTES : A-CONSTIT NOT ANALYZE B-INSUFFICIENT SAMPLE C-DUPLICATE SPIKE D-VALUE <MDL, >IDL E-INTERFERENCE
 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-27 104 FT. SJ01120 08/22/90	RFB-31 107 FT. SJ01458 08/28/90	RFB-20 50 FT. SJ01514 08/29/90	RFB-20 48.6 FT. SJ01739 09/04/90	RFB-24 143 FT. SJ02143 09/11/90	RFB-25 95 FT. SJ02144 09/11/90	RFB-26 56 FT. SJ02208 09/12/90	L-3 55 FT. SJ02424 09/17/90	RFB-26 65 FT. SJ02486 09/18/90	RFB-24 140 FT. SJ02982 09/26/90
GENERAL											
PH	PH	6.90	7.10	7.58	7.50	7.08	7.78	7.45	7.30 F	7.20	7.89 F
CONDUCTIVITY	UMHOS/CM	4750	4180	2680	3100	3120	725	3890	2730	3450	2300 F
ANIONS											
NITRATE NITROGEN	MG/L N	< 0.05	0.34	0.58	< 0.05 C	0.26	3.28 C	3.38	2.39	0.39	0.25 C
SULFATE	MG/L SO4	1750	2330	930	1310 C	1180	42.0 C	1830	260	1140	786 C
CHLORIDE	MG/L CL	549	317	171	217 C	217	62.0 C	401	375	295	150 C
CATIONS											
CALCIUM	MG/L CA	565	559	307	721	384	59.1	556	194	441 C	341
MAGNESIUM	MG/L MG	349	462	159	395	204	33.3	172	130	160 C	188
SODIUM	MG/L NA	193	136	104	125	81	329	159	242	127 C	82
POTASSIUM	MG/L K	9.3	22	12	33	10	3	12	9	9 C	14
IRON	MG/L FE	113	41.0	4.09	110	1.66	2.30	0.42	2.65	0.69 C	44.9
MANGANESE	MG/L MN	4.38	1.52	1.27	2.44	0.36	0.20	0.09	0.36	0.96 C	0.84
ORGANIC MATTER											
OIL & GREASE	MG/L EXTRAC	5.7	A	A	1.1	1.0	A	A	A	A	2.6
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05 I	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
METALS											
ARSENIC	MG/L AS	<.0005	<.0005	.0005	0.054	<.0005	.0006	.0055	.0018	.0012	<.0005
BARIUM	MG/L BA	0.21	0.33	0.12	10.8	0.05	0.12	0.04	0.25	0.06 C	0.69
CADMIUM	MG/L CD	0.06	0.07	0.03	0.16	0.03	< 0.01	0.03	0.02	0.03 C	0.05
TOTAL CHROMIUM	MG/L CR	0.16	0.30	0.09	1.08	0.08	0.02	0.08	0.05	0.07 C	0.40
LEAD	MG/L PB	< 0.04	< 0.04	< 0.04	0.09	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04 C	0.22
MERCURY	MG/L HG	.0001	.0008	0.024 C	.0023	.0003	.0013 C	.0070	0.018 C	.0086	.0003 C
NICKEL	MG/L NI	0.32	0.54	0.16	1.17	0.16	0.03	0.20	0.12	0.18 C	0.52
SELENIUM	MG/L SE	.0059	0.017	.0053	0.053	0.028	0.018	0.19	.0031	0.039	0.012
SILVER	MG/L AG	0.014	0.012	0.007	0.026	0.008	<0.005	0.016	<0.005	0.007 C	0.012
ZINC	MG/L ZN	0.78	0.38	0.05	2.08	0.15	0.02	0.03	< 0.02	0.59 C	7.72
ANTIMONY	MG/L SB	<0.005	<0.005	<0.005	< 0.03	0.034	<0.005	<0.005	<0.005	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 C	< 0.01
MOLYBDENUM	MG/L MO	0.23	0.43	0.45	1.22	0.20	0.11	0.84	0.06	0.54 C	0.62
THALLIUM	MG/L TL	<0.005	<0.005	<0.005	< 0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
VANADIUM	MG/L V	0.19	0.58	0.11	2.24	0.06	0.03	0.14	0.03	0.06 C	0.59

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-27 104 FT. SJ01120 08/22/90	RFB-31 107 FT. SJ01458 08/28/90	RFB-20 50 FT. SJ01514 08/29/90	RFB-20 48.6 FT. SJ01739 09/04/90	RFB-24 143 FT. SJ02143 09/11/90	RFB-25 95 FT. SJ02144 09/11/90	RFB-26 56 FT. SJ02208 09/12/90	L-3 55 FT. SJ02424 09/17/90	RFB-26 65 FT. SJ02486 09/18/90	RFB-24 140 FT. SJ02982 09/26/90
VOLATILE ORGANIC COMPOUND											
VOLATILE ORGANIC COMPOUND											
METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.5	2.2	< 0.5	< 0.5
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.4	1.2	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
P-DICHLOROENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	D	< 0.5	< 0.5
TOLUENE	UG/L	< 0.5	< 0.5	< 0.5	3.2	< 0.5	< 0.5	< 0.5	D	< 0.5	< 0.5
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-XYLENE	UG/L		A								< 0.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M+P-XYLENE	UG/L		A								< 0.5
ACID-BASE NEUTRAL EXTRACT											
ACENAPHTHENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
ACENAPHTHYLENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
ANTHRACENE	UG/L	< 2	< 10	< 10	< 6	< 5	< 10	< 5	< 10	< 5	< 4
BENZIDINE	UG/L	< 124	< 620	< 620	< 376	< 310	< 620	< 310	< 620	< 328	< 248

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-27	RFB-31	RFB-20	RFB-20	RFB-24	RFB-25	RFB-26	L-3	RFB-26	RFB-24
		104 FT. SJ01120 08/22/90	107 FT. SJ01458 08/28/90	50 FT. SJ01514 08/29/90	48.6 FT. SJ01739 09/04/90	143 FT. SJ02143 09/11/90	95 FT. SJ02144 09/11/90	56 FT. SJ02208 09/12/90	55 FT. SJ02424 09/17/90	65 FT. SJ02486 09/18/90	140 FT. SJ02982 09/26/90
ACID-BASE NEUTRAL EXTRACT											
BENZO(A)ANTHRACENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
BENZO(A)PYRENE	UG/L	< 14	< 70	< 70	< 42	< 35	< 70	< 35	< 70	< 37	< 28
BENZO(B)FLUORANTHENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
BENZO(G,H,I)PERYLENE	UG/L	< 12	< 60	< 60	< 36	< 30	< 60	< 30	< 60	< 32	< 24
BENZO(K)FLUORANTHENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
BIS(2-CL-ETHOXY)METHANE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 50	< 50	< 30	< 25	< 50	< 25	< 50	< 26	< 20
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
DIETHYLHEXYL PHTHALATE	UG/L	46	26 D	< 100	< 61	< 50	30 D	32 D	< 100	< 53	17 D
4-BROMOPHENYL PHENYLETHER	UG/L	< 18	< 90	< 90	< 55	< 45	< 90	< 45	< 90	< 48	< 36
BUTYLBENZYL PHTHALATE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2-CHLORONAPHTHALENE	UG/L	< 2	< 10	< 10	< 6	< 5	< 10	< 5	< 10	< 5	< 4
4-CHLOROPHENYLPHENYLETHER	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
CHRYSENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
DIBENZO(A,H)ANTHRACENE	UG/L	< 12	< 60	< 60	< 36	< 30	< 60	< 30	< 60	< 32	< 24
1,2-DICHLOROBEZENE	UG/L	< 20	< 100	< 100	< 61	< 50	< 100	< 50	< 100	< 53	< 40
1,3-DICHLOROBEZENE	UG/L	< 20	< 100	< 100	< 61	< 50	< 100	< 50	< 100	< 53	< 40
1,4-DICHLOROBEZENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
3,3'-DICHLOROBEZIDINE	UG/L	< 200	< 1000	< 1000	< 606	< 500	< 1000	< 500	< 1000	< 529	< 400
DIETHYL PHTHALATE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
DIMETHYL PHTHALATE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
DI-N-BUTYL PHTHALATE	UG/L	< 8	< 40	< 40	< 24	< 20	< 40	< 20	< 40	< 21	< 16
2,4-DINITROTOLUENE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2,6-DINITROTOLUENE	UG/L	< 10	< 50	< 50	< 30	< 25	< 50	< 25	< 50	< 26	< 20
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 50	< 50	< 30	< 25	< 50	< 25	< 50	< 26	< 20
1,2-DIPHENYLHYDRAZINE	UG/L	< 2	< 10	< 10	< 6	< 5	< 10	< 5	< 10	< 5	< 4
FLUORANTHENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
FLUORENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
HEXACHLOROBEZENE	UG/L	< 2	< 10	< 10	< 6	< 5	< 10	< 5	< 10	< 5	< 4
HEXACHLOROBTADIENE	UG/L	< 20	< 100	< 100	< 61	< 50	< 100	< 50	< 100	< 53	< 40
HEXACHLOROCCYCLOPENTADIENE	UG/L	< 200	< 1000	< 1000	< 606	< 500	< 1000	< 500	< 1000	< 529	< 400
HEXACHLOROETHANE	UG/L	< 24	< 120	< 120	< 73	< 60	< 120	< 60	< 120	< 64	< 48
INDENO(1,2,3-C,D)PYRENE	UG/L	< 12	< 60	< 60	< 36	< 30	< 60	< 30	< 60	< 32	< 24
ISOPHORONE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
NAPHTHALENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
NITROBEZENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
N-NITROSODIMETHYLAMINE	UG/L	< 60	< 300	< 300	< 182	< 150	< 300	< 150	< 300	< 159	< 120
N-NITROSODI-N-PROPYLAMINE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
PHENANTHRENE	UG/L	< 2	< 10	< 10	< 6	< 5	< 10	< 5	< 10	< 5	< 4
PYRENE	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
2,3,7,8-TCDD	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2-CHLOROPHENOL	UG/L	< 16	< 80	< 80	< 48	< 40	< 80	< 40	< 80	< 42	< 32
1,2,4-TRICHLOROBEZENE	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-27 104 FT. SJ01120 08/22/90	RFB-31 107 FT. SJ01458 08/28/90	RFB-20 50 FT. SJ01514 08/29/90	RFB-20 48.6 FT. SJ01739 09/04/90	RFB-24 143 FT. SJ02143 09/11/90	RFB-25 95 FT. SJ02144 09/11/90	RFB-26 56 FT. SJ02208 09/12/90	L-3 55 FT. SJ02424 09/17/90	RFB-26 65 FT. SJ02486 09/18/90	RFB-24 140 FT. SJ02982 09/26/90
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ACID-BASE NEUTRAL EXTRACT

2,4-DICHLOROPHENOL	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2,4-DIMETHYLPHENOL	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2,4-DINITROPHENOL	UG/L	< 78	< 390	< 390	< 236	< 195	< 390	< 195	< 390	< 206	< 156
2-METHYL-4,6DINITROPHENOL	UG/L	< 34	< 170	< 170	< 103	< 85	< 170	< 85	< 170	< 90	< 68
2-NITROPHENOL	UG/L	< 10	< 50	< 50	< 30	< 25	< 50	< 25	< 50	< 26	< 20
4-NITROPHENOL	UG/L	< 12	< 60	< 60	< 36	< 30	< 60	< 30	< 60	< 32	< 24
4-CHLORO-3-METHYLPHENOL	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
PENTACHLOROPHENOL	UG/L	< 32	< 160	< 160	< 97	< 80	< 160	< 80	< 160	< 85	< 64
PHENOL	UG/L	< 6	< 30	< 30	< 18	< 15	< 30	< 15	< 30	< 16	< 12
2,4,6-TRICHLOROPHENOL	UG/L	< 4	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8
N-NITROSODIPHENYLAMINE	UG/L	10	< 20	< 20	< 12	< 10	< 20	< 10	< 20	< 11	< 8

FOOTNOTES : A-CONSTIT NOT ANALYZE B-INSUFFICIENT SAMPLE C-DUPLICATE SPIKE D-VALUE <MDL, >IDL E-INTERFERENCE
 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-25	RFB-25	L-3	RFB-29	RFB-31
		75 FT. SJ03148 09/28/90	75 FT. SJ03149 09/28/90	53 FT. SJ03530 10/05/90	95 FT. SJ03687 10/09/90	90 FT. SJ03839 10/11/90
GENERAL						
PH	PH	8.45	7.85	7.68	7.12	7.40
CONDUCTIVITY	UMHOS/CM	830	810	2900	4430	3640
ANIONS						
NITRATE NITROGEN	MG/L N	3.64 C	2.97	1.66	2.05 C	< 0.05 C
SULFATE	MG/L SO4	33.0 C	24.0	213	1530 C	1600 C
CHLORIDE	MG/L CL	80.0 C	60.0	419	467 C	310 C
CATIONS						
CALCIUM	MG/L CA	66.5	61.9	175	482 C	364 C
MAGNESIUM	MG/L MG	46.1	35.9	124	280 C	273 C
SODIUM	MG/L NA	68	46	251	179 C	111 C
POTASSIUM	MG/L K	6	4	15	9 C	11 C
IRON	MG/L FE	5.05	0.62	1.50	0.56 C	0.53 C
MANGANESE	MG/L MN	0.08	0.04	0.18	0.55 C	0.35 C
ORGANIC MATTER						
OIL & GREASE	MG/L EXTRAC	< 1	< 1	3.6	3.4 F	2.9 F
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05 I	< 0.05	< 0.05	< 0.05
METALS						
ARSENIC	MG/L AS	0.013	0.010	.0033	.0014	.0051
BARIUM	MG/L BA	0.15	0.06	0.11	0.05 C	< 0.02 C
CADMIUM	MG/L CD	< 0.01	< 0.01	0.02	0.04 C	0.04 C
TOTAL CHROMIUM	MG/L CR	0.04	< 0.02	0.04	0.08 C	0.10 C
LEAD	MG/L PB	< 0.04	< 0.04	< 0.04	< 0.04 C	< 0.04 C
MERCURY	MG/L HG	.0010	.0002	.0002	.0002	.0005 C
NICKEL	MG/L NI	0.07	0.03	0.11	0.20 C	31 C
SELENIUM	MG/L SE	0.015	0.011	.0030	.0092	.0047
SILVER	MG/L AG	<0.005	<0.005	<0.005	0.012 C	0.01 C
ZINC	MG/L ZN	0.06	0.07	0.07	0.24 C	2.38 C
ANTIMONY	MG/L SB	<0.005	<0.005	<0.005	<0.005	<0.005
BERYLLIUM	MG/L BE	< 0.01	< 0.01	< 0.01	< 0.01 C	< 0.01 C
MOLYBDENUM	MG/L MO	0.11	0.07	0.05	0.85 C	0.18 C
THALLIUM	MG/L TL	<0.005	<0.005	<0.005	<0.005	<0.005
VANADIUM	MG/L V	0.13	0.07	0.03	0.04 C	0.04 C

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-25 75 FT. SJ03148 09/28/90	RFB-25 75 FT. SJ03149 09/28/90	L-3 53 FT. SJ03530 10/05/90	RFB-29 95 FT. SJ03687 10/09/90	RFB-31 90 FT. SJ03839 10/11/90
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VOLATILE ORGANIC COMPOUND

VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 1.9	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	UG/L	< 1.2	< 1.0	< 0.5	< 0.5	< 0.5
ETHYL BENZENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
O-XYLENE	UG/L			< 0.5	< 0.5	< 0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
2-CHLOROETHYL VINYLETHYLENE	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
M+P-XYLENE	UG/L			< 0.5	< 0.5	< 0.5

ACID-BASE NEUTRAL EXTRACT

ACENAPHTHENE	UG/L	< 2	< 2	< 2	< 8	< 10
ACENAPHTHYLENE	UG/L	< 2	< 2	< 2	< 8	< 10
ANTHRACENE	UG/L	< 1	< 1	< 1	< 4	< 5
BENZIDINE	UG/L	< 62	< 62	< 62	< 248	< 310

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COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-25	RFB-25	L-3	RFB-29	RFB-31
		75 FT. SJ03148 09/28/90	75 FT. SJ03149 09/28/90	53 FT. SJ03530 10/05/90	95 FT. SJ03687 10/09/90	90 FT. SJ03839 10/11/90
ACID-BASE NEUTRAL EXTRACT						
BENZO(A)ANTHRACENE	UG/L	< 2	< 2	< 2	< 8	< 10
BENZO(A)PYRENE	UG/L	< 7	< 7	< 7	< 28	< 35
BENZO(B)FLUORANTHENE	UG/L	< 2	< 2	< 2	< 8	< 10
BENZO(G,H,I)PERYLENE	UG/L	< 6	< 6	< 6	< 24	< 30
BENZO(K)FLUORANTHENE	UG/L	< 2	< 2	< 2	< 8	< 10
BIS(2-CL-ETHOXY)METHANE	UG/L	< 3	< 3	< 3	< 12	< 15
BIS(2-CHLOROETHYL)ETHER	UG/L	< 5	< 5	< 5	< 20	< 25
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 3	< 3	< 3	< 12	< 15
DIETHYLHEXYL PHTHALATE	UG/L	7 D	6 D	< 10	< 40	9 D
4-BROMOPHENYL PHENYLETHER	UG/L	< 9	< 9	< 9	< 36	< 45
BUTYLBENZYL PHTHALATE	UG/L	< 3	< 3	< 3	< 12	< 15
2-CHLORONAPHTHALENE	UG/L	< 1	< 1	< 1	< 4	< 5
4-CHLOROPHENYLPHENYLETHER	UG/L	< 2	< 2	< 2	< 8	< 10
CHRYSENE	UG/L	< 2	< 2	< 2	< 8	< 10
DIBENZO(A,H)ANTHRACENE	UG/L	< 6	< 6	< 6	< 24	< 30
1,2-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 40	< 50
1,3-DICHLOROBENZENE	UG/L	< 10	< 10	< 10	< 40	< 50
1,4-DICHLOROBENZENE	UG/L	< 2	< 2	< 2	< 8	< 10
3,3'-DICHLOROBENZIDINE	UG/L	< 100	< 100	< 100	< 400	< 500
DIETHYL PHTHALATE	UG/L	< 2	< 2	< 2	< 8	< 10
DIMETHYL PHTHALATE	UG/L	< 3	< 3	< 3	< 12	< 15
DI-N-BUTYL PHTHALATE	UG/L	< 4	< 4	< 4	< 16	< 20
2,4-DINITROTOLUENE	UG/L	< 3	< 3	< 3	< 12	< 15
2,6-DINITROTOLUENE	UG/L	< 5	< 5	< 5	< 20	< 25
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 5	< 5	< 20	55
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 1	< 1	< 4	< 5
FLUORANTHENE	UG/L	< 2	< 2	< 2	< 8	< 10
FLUORENE	UG/L	< 2	< 2	< 2	< 8	< 10
HEXACHLOROENZENE	UG/L	< 1	< 1	< 1	< 4	< 5
HEXACHLOROBUTADIENE	UG/L	< 10	< 10	< 10	< 40	< 50
HEXACHLOROCYCLOPENTADIENE	UG/L	< 100	< 100	< 100	< 400	< 500
HEXACHLOROETHANE	UG/L	< 12	< 12	< 12	< 48	< 60
INDENO(1,2,3-C,D)PYRENE	UG/L	< 6	< 6	< 6	< 24	< 30
ISOPHORONE	UG/L	< 3	< 3	< 3	< 12	< 15
NAPHTHALENE	UG/L	< 2	< 2	< 2	< 8	< 10
NITROBENZENE	UG/L	< 2	< 2	< 2	< 8	< 10
N-NITROSODIMETHYLAMINE	UG/L	< 30	< 30	< 30	< 120	< 150
N-NITROSODI-N-PROPYLAMINE	UG/L	< 2	< 2	< 2	< 8	< 10
PHENANTHRENE	UG/L	< 1	< 1	< 1	< 4	< 5
PYRENE	UG/L	< 2	< 2	< 2	< 8	< 10
2,3,7,8-TCDD	UG/L	< 3	< 3	< 3	< 12	< 15
2-CHLOROPHENOL	UG/L	< 8	< 8	< 8	< 32	< 40
1,2,4-TRICHLOROENZENE	UG/L	< 3	< 3	< 3	< 12	< 15

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 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-25 75 FT. SJ03148 09/28/90	RFB-25 75 FT. SJ03149 09/28/90	L-3 53 FT. SJ03530 10/05/90	RFB-29 95 FT. SJ03687 10/09/90	RFB-31 90 FT. SJ03839 10/11/90
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ACID-BASE NEUTRAL EXTRACT

2,4-DICHLOROPHENOL	UG/L	< 3	< 3	< 3	< 12	< 15
2,4-DIMETHYLPHENOL	UG/L	< 3	< 3	< 3	< 12	< 15
2,4-DINITROPHENOL	UG/L	< 39	< 39	< 39	< 156	< 195
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 17	< 17	< 68	< 85
2-NITROPHENOL	UG/L	< 5	< 5	< 5	< 20	< 25
4-NITROPHENOL	UG/L	< 6	< 6	< 6	< 24	< 30
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 2	< 2	< 8	< 10
PENTACHLOROPHENOL	UG/L	< 16	< 16	< 16	< 64	< 80
PHENOL	UG/L	< 3	< 3	< 3	< 12	< 15
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 2	< 2	< 8	< 10
N-NITROSODIPHENYLAMINE	UG/L	< 2	< 2	< 2	< 8	< 10

FOOTNOTES : A-CONSTIT NOT ANALYZE B-INSUFFICIENT SAMPLE C-DUPLICATE SPIKE D-VALUE <MDL, >IDL E-INTERFERENCE
 F-AVERAGE OF DUPS G-DUP & SPIKE H-AVERAGE I-AMENDED TEST RESULT

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR UPGRADIENT HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE	NOTES
SJ00120	RFB - 30, DEPTH: 75 FT. 08/03/90	705, 720, 725, 734 BROWN & CALDWELL HYDROCARBONS, M8015, 8020 ANALYZED BY MONTGOMERY LABS. 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. VOC'S 8/7/90 BNA EXT 08-10-90 INJ 08-15-90
SJ00121	RFB - 27, DEPTH: 55 FT. 08/03/90	705, 720, 725, 734 BROWN & CALDWELL C15- MODIFIED 8015 BY MONGOMERY LABS 8010, 8020 ANALYZED BY MONTGOMERY LABS. VOC'S 8/7/90; THF: APPROX. 100UG/L BNA EXT 08-10-90 INJ 08-15-90
SJ00185	RFB - 18, DEPTH: 223 FT. 08/06/90	HYDROCARBONS, MONTGOMERY LABS. SAMPLE CHROMATOGRAM SHOWED THE PRESENCE OF A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. 705, 720, 725, & 734 BY BCA VOC'S 8/8/90 BNA EXT 08-10-90 INJ 08-15-90
SJ00520	RFB - 32, DEPTH: 123 FT. 08/13/90	C15 MODIFIED 8015 HYDROCARBONS, MONTGOMERY LABS 705, 720, 725, & 734 BY BCA VOC's 8/15/90 BNA EXT 08-17-90 INJ 08-31-90
SJ00760	L - 1, DEPTH: 119 FT. 08/16/90	C15 MODIFIED 8015 HYDROCARBONS, 8020 ANALYZED BY MONTGOMER 705, 720, 725, & 734 BY BCA LABS VOC's 8/21/90 BNA EXT 08-23-90 INJ 09-01-90 BLANK 812: 8 UG/L
SJ00906	RFB - 22, DEPTH: 100 FT. 08/20/90	HYDROCARBONS, M8015, 8020 ANALYZED BY MONTGOMERY. AS, SE, SB, TL ANALYZED BY BCA SAMPLE ORIGINALLY NOT ASSIGNED TO SJCWQL VOC's 8/22/90 NUMEROUS NON 601/602 COMPOUNDS DETECTED AT LOW LEVELS.
SJ01045	L - 2, DEPTH: 90.0 FT. 08/21/90	705, 720, 725, & 734 BY BCA M8015, 8020 ANALYZED BY MONTGOMERY LABS. VOC's 8/23/90 BNA EXT 08-23-90 INJ 08-31-90 BLANK 812: 8 UG/L
SJ01120	RFB - 27, DEPTH 104.0 FT. 08/22/90	408 OIL AND GREASE PORTION EMPTY 09/04/90 SRC 705, 720, 725, & 734 BY BCA M8015, 8020 ANALYZED BY MONTGOMERY. 28 OCT 92 - SAMPLE DESCRIPTION CHANGED PER REQUEST FROM C. HERBECK, FROM "RFB-27, DEPTH 104.0 FT., F.I. B-29-7" T "RFB-29, DEPTH 104 FT., F.I. B-29-7", TO CORRECT THE LOCATION TO RFB-29 AND THE DEPTH TO 104 FT. AS SHOWN O THE SAMPLE REQUEST FORM. (JPG) BNA EXT 08-29-90 INJ 08-31-90 VOC'S 8/24/90

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR UPGRADIENT HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE	NOTES
SJ01458	RFB - 31, DEPTH: 107.0 FT. 08/28/90	705, 720, 725 & 734 BY BCA 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. MOD. 8015 ANALYZED BY MONTGOMERY 8010/8020 MONTGOMERY VOC's 8/30/90 BNA EXT 09-04-90 INJ 09-12-90
SJ01514	RFB - 20, DEPTH: 50.0 FT. 08/29/90	705, 720, 725, & 734 BY BCA 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. MOD. 8015, 8020 ANALYZED BY MONTGOMERY. VOC's 8/31/90 BNA EXT 09-04-90 INJ 09-12-90
SJ01739	RFB - 20, DEPTH: 48.6 FT. 09/04/90	TEST 408; IN DUPLICATE, FIRST RESULT LISTED - SECOND RESULT < 1. AS,SE,SB,TL ANALYZED BY BCA MOD. 8015, 8020 ANALYZED BY MONTGOMERY. VOC's 9/7/90 BNA EXT 09-07-90 INJ 09-14-90
SJ02143	RFB - 24, DEPTH: 143.0 FT. 09/11/90	TEST 408; IN DUPLICATE, FIRST RESULT LISTED - SECOND RESULT < 1. AS,SE,SB,TL ANALYZED BY BCA M8015, 8020 ANALYZED BY MONTGOMERY VOC's 9/18/90 BNA EXT 09-17-90 INJ 09-19-90 BLANK 812: 5 UG/L
SJ02144	RFB - 25, DEPTH: 95-105 FT. 09/11/90	408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. AS,SE,SB,TL ANALYZED BY BCA M8015, 8020 ANALYZED BY MONTGOMERY VOC's 9/18/90 601/602 QA BNA EXT 09-17-90 INJ 09-19-90 BLANK 812: 5 UG/L
SJ02208	RFB - 26, DEPTH: 56.0 FT. 09/12/90	408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. 705, 720, 725, & 734 BY BCA M8015, 8020 ANALYZED BY MONTGOMERY. VOC's 9/18/90 BNA EXT 09-19-90 INJ 09-26-90
SJ02424	L - 3, DEPTH: 55-60 FT. 09/17/90	408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. 705, 720, 725, 734 BY BCA M8015, 8020 ANALYZED BY MONTGOMERY. VOC's 9/27/90 BNA EXT 09-19-90 INJ 09-26-90
SJ02486	RFB - 26, DEPTH: 65-70 FT. 09/18/90	408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. AS,SE,SB,TL ANALYZED BY BCA M8015, 8020 ANALYZED BY MONTGOMERY. VOC's 9/27/90 BNA EXT 09-25-90 INJ 10-06-90

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR UPGRADIENT HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE	NOTES
SJ02982	RFB - 24, DEPTH: 140.0 FT. 09/26/90	408: DUPLICATE SAMPLE ANALYSIS GAVE 2.5 MG/L 705, 720, 725, & 734 BY BCA M8015, 8020 ANALYZED BY MONTGOMERY. VOC's 10/02/90 BNA EXT 10-10-90 INJ 10-24-90 BNA MATRIX INTERFERENCE NOT CONFIRMED
SJ03148	RFB - 25, DEPTH: 75 FT. 09/28/90	AS,SE, SB,TL SENT OUT TO B&C; MODIFIED 8015 SENT TO MONT. LABS SECOND SAMPLE ALIQUOT ANALYSED FOR 408 ALSO GAVE <1MG/L 8020 ANALYZED BY MONTGOMERY VOC's 10/3/90 601/602 QA BNA EXT 10-03-90 INJ 10-06-90 408 DUPLICATE (2ND) SAMPLE NOT ANALYZED DUE TO EXCESS SILT IN THE SAMPLE. AS,SE,SB,TL ANALYZED BY BCA M8015, 8020 ANALYZED BY MONTGOMERY 8010 ANALYZED BY MONTGOMERY LABS. BNA EXT 10-03-90 INJ 10-06-90 VOC's 10/3/90 28 OCT 92 - SAMPLE DESCRIPTION CHANGED JPER REQUEST FROM C HERBECK, FROM "RFB25, 75' FIB 25-14" TO "RFB-25, DEPTH 75 FT., F.I. B25-14, FIELD DUPLICATE". THIS ADDS THE NOTATION THAT THIS SAMPLE IS A FIELD DUPLICATE, AS WELL AS PUTTING THE REST OF THE DESCRIPTOR IN THE SAME FORM AS OTHER SAMPLES FOR HCP PROJECT. (JPG)
SJ03530	L - 3, DEPTH: 53.0 FT. 10/05/90	AS,SE,SB,TL ANALYZED BY BCA MODIFIED 8015 BY MONTGOMERY LAB VOC's 10/11/90 BNA EXT 10-10-90 INJ 10-24-90
SJ03687	RFB - 29, DEPTH: 95.0 FT. 10/09/90	TEST 408; FIRST SAMPLE, 3.1 MG/L ; SECOND SAMPLE, 3.6 MG/L SPIKED SAMPLE- 73.3% RECOVERY. BCA LABS, GROUND WATER SAMPLES AS,SE,TL,SB ANALYZED BY BCA C15 - MODIFIED 8015 BY MONTGOMERY LABS VOC's 10/12/90 601/602 QA BNA EXT 10-16-90 INJ 10-24-90
SJ03839	RFB - 31, DEPTH: 90.0 FT. 10/11/90	EPA 625 QA NOT DONE BECAUSE SAMPLE CAME IN IMPROPER RECEPTACLE AND HAD POSSIBLE CONTAMINATION BEFORE SAMPLE RECEIVED AT THE WINDOW IN SRC TEST 408; FIRST SAMPLE, 2.8 MG/L ; SECOND SAMPLE 3.0 MG/L -SPIKED SAMPLE LOST. BCA LABS, GROUND WATER SAMPLES VOC'S 10/16/90; C15 - MODIFIED 8015 BY MONTGOMERY LABS AS,SE,SB,TL ANALYZED BY BCA BNA EXT 10-16-90 INJ 11-09-90 BNA TO BE RESET TO CONFIRM MATRIX INTERFERENCE.

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR UPGRADIENT HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE	NOTES
SJ99724	RFB - 21, DEPTH: 28.0 FT. 07/26/90	WASTE WATER SAMPLES, BROWN & CALDWELL C15 MODIFIED 8015 HYDROCARBONS, MONTGOMERY LABS 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. 734 BY BCA AS,SE,SB,TL ANALYZED BY BROWN AND CALDWELL VOC'S 7/30/90 BNA EXT 07-30-90 INJ 08-15-90 BNA TO BE RESET BNA: MATRIX INTERFERENCE NOT CONFIRMED.
SJ99794	RFB - 27, DEPTH: 57.0 FT. 07/27/90	408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. SE,SB,AS,TL ANALYZED BY BROWN AND CALDWELL 8010, 8020 ANALYZED BY MONTGOMERY LABS. VOC's 8/1/90 BNA EXT 07-30-90 INJ 08-09-90 A BENZO PYRENE ISOMER PRESE AT 9 UG/L.
SJ99996	RFB - 21, DEPTH: 30.00 FT. 08/01/90	705, 720, 725, 734 BROWN & CALDWELL 408: DUPLICATE SAMPLE, FIRST SAMPLE RESULT 80 MG/L, HYDROCARBON, MONTGOMERY LABS VOC'S 8/3/90 BNA EXT 08-03-90 INJ 08-15-90 BNA TO BE RESET BNA: MATRIX INTERFERENCE CONFIRMED.

PALOS VERDES LANDFILL DPRIR

STATISTICAL SUMMARY OF DOWNGRADIENT GROUNDWATER SAMPLES
COLLECTED DURING HCP BORING PROGRAM

GENERAL

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
101	PH	PH	11	11	3.30	8.32	6.7555	1.7050
102	CONDUCTIVITY	UMHOS/CM	11	11	2.9	21300	5119.3545	7961.3727

ANIONS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
204	NITRATE NITROGEN	MG/L N	11	11	0.03	47.5	8.9691	14.5394
257	SULFATE	MG/L SO4	11	10	ND	21000	3661.0409	7625.4541 *
301	CHLORIDE	MG/L CL	11	10	ND	1570	532.5909	613.0159 *

CATIONS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
703	CALCIUM	MG/L CA	12	11	ND	472	185.7921	172.0460 *
704	MAGNESIUM	MG/L MG	12	12	0.02	3200	565.1933	1187.9585
723	SODIUM	MG/L NA	12	12	0.4	1263	346.7000	441.1903
719	POTASSIUM	MG/L K	12	11	ND	71.4	18.6183	21.7971 *
713	IRON	MG/L FE	12	11	ND	66.8	22.8858	21.4514 *
716	MANGANESE	MG/L MN	12	11	ND	60.9	10.5054	23.2241 *

ORGANIC MATTER

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
408	OIL & GREASE	MG/L EXTRACT	7	4	ND	16	3.3714	5.6571 *
C15	HYDROCARBONS-MODIFIEDB015	MG/L HC	12	3	ND	1.8	0.3833	0.6757 *

METALS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
705	ARSENIC	MG/L AS	12	12	0.002	1.4	0.2670	0.4787
706	BARIUM	MG/L BA	12	11	ND	0.97	0.3817	0.3659 *
708	CADMIUM	MG/L CD	12	8	ND	0.86	0.1525	0.3259 *
709	TOTAL CHROMIUM	MG/L CR	12	11	ND	0.92	0.3292	0.3563 *

* - Analysis used 1/2 of the detection limit for "not detected" values

NA - Not Applicable

PALOS VERDES LANDFILL DPRIR

STATISTICAL SUMMARY OF DOWNGRADIENT GROUNDWATER SAMPLES
COLLECTED DURING HCP BORING PROGRAM

METALS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
714	LEAD	MG/L PB	12	2	ND	0.09	0.0275	0.0205	*
717	MERCURY	MG/L HG	12	11	ND	0.0319	0.0049	0.0098	*
718	NICKEL	MG/L NI	12	11	ND	19.6	3.3279	7.4627	*
720	SELENIUM	MG/L SE	12	10	ND	0.88	0.1251	0.2527	*
722	SILVER	MG/L AG	12	4	ND	0.063	0.0139	0.0222	*
724	ZINC	MG/L ZN	12	11	ND	30.0	4.9175	9.7669	*
726	BERYLLIUM	MG/L BE	12	3	ND	0.11	0.0204	0.0354	*
732	MOLYBDENUM	MG/L MO	12	11	ND	0.83	0.2008	0.2803	*
737	VANADIUM	MG/L V	12	8	ND	0.30	0.1133	0.1108	*

VOLATILE ORGANIC COMPOUNDS

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
601	METHYLENE CHLORIDE	UG/L	12	3	ND	270	41.2000	95.7906	*
606	TRICHLOROETHYLENE	UG/L	12	2	ND	11	1.7417	3.5673	*
607	TETRACHLOROETHYLENE	UG/L	12	2	ND	34	4.6250	10.7066	*
608	BROMODICHLOROMETHANE	UG/L	12	2	ND	0.8	0.5000	0.3994	*
609	DIBROMOCHLOROMETHANE	UG/L	12	2	ND	2.0	0.6917	0.6825	*
610	BROMOFORM	UG/L	12	2	ND	1.5	0.5833	0.5038	*
612	VINYL CHLORIDE	UG/L	12	2	ND	12	1.9167	3.9634	*
616	1,1-DICHLOROETHANE	UG/L	12	2	ND	35	5.7917	12.9583	*
619	1,2-DICHLOROETHANE	UG/L	12	2	ND	2.8	0.5750	0.7602	*
620	BENZENE	UG/L	12	1	ND	12	1.3125	3.3779	*
621	TOLUENE	UG/L	12	2	ND	120	12.0417	34.5683	*
624	ETHYL BENZENE	UG/L	12	2	ND	22	3.0417	6.8597	*
629	O-XYLENE	UG/L	6	2	ND	14	3.2167	5.5255	*
645	TRANS-1,2-DICHLOROETHYLENE	UG/L	12	2	ND	7.2	1.3250	2.5197	*
677	CIS-1,2-DICHLOROETHYLENE	UG/L	12	2	ND	63	8.2083	19.6564	*
695	M+P-XYLENE	UG/L	6	2	ND	32	8.5000	13.5259	*

ACID-BASE-NEUTRAL EXTRACTABLE

Test Code	Constituent	Units	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation	
812	DIETHYLHEXYL PHTHALATE	UG/L	12	4	ND	45	17.1667	16.1560	*

* - Analysis used 1/2 of the detection limit for "not detected" values

NA - Not Applicable

PALOS VERDES LANDFILL DPRIR
 STATISTICAL SUMMARY OF DOWNGRADIENT GROUNDWATER SAMPLES
 COLLECTED DURING HCP BORING PROGRAM

QA/QC SURROGATE SPIKE RESULTS

Test Code	Constituent	Units	Recovery	Samples Analyzed	Number Detected	Minimum	Maximum	Mean	Standard Deviation
S01	2-FLUOROPHENOL	%	RECOVERY	12	12	46	102	76.4167	17.0318
S02	PHENOL-D5	%	RECOVERY	12	12	57	114	84.5833	16.6158
S03	NITROBENZENE-D5	%	RECOVERY	12	12	61	118	87.9167	16.5664
S04	DECAFLUOROBIPHENYL	%	RECOVERY	12	12	25	76	54.0833	14.3176
S05	2-FLUOROBIPHENYL	%	RECOVERY	12	12	60	108	79.1667	15.6950
S06	2,4,6-TRIBROMOPHENOL	%	RECOVERY	12	12	42	129	94.7500	25.5454
S07	P-TERPHENYL-D14	%	RECOVERY	12	12	34	83	58.7500	16.3936

* - Analysis used 1/2 of the detection limit for "not detected" values

NA - Not Applicable

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-16 75 FT. SJ97579 06/07/90	RFB-9 200 FT. SJ97705 06/11/90	RFB-13 200 FT. SJ98086 06/18/90	RFB-3 184 FT. SJ98673 06/28/90	RFB-8 28 FT. SJ98794 07/02/90	RFB-4 76.5 FT. SJ99104 07/11/90	RFB-11 9 FT. SJ99234 07/16/90	RFB-16 50 FT. SJ99236 07/16/90	RFB-13 195 FT. SJ99318 07/17/90	RFB-13 195 FT. SJ99319 07/17/90
GENERAL											
PH	PH	3.30	7.46 A	7.90	7.30 A	7.10	8.32	6.48	3.60	7.98	H
CONDUCTIVITY	UMHOS/CM	20900	1425	1100	1025	3800	2310	2.9	21300	1080	H
ANIONS											
NITRATE NITROGEN	MG/L N	47.5	6.50 B	5.57	2.32	0.03	1.43	0.07	24.6	4.55	H
SULFATE	MG/L SO4	21000	147	115	42.4	1460 C	318	< 0.1	16900	131	H
CHLORIDE	MG/L CL	1520	184 C	118	153	264	1570	< 1	1320	159	H
CATIONS											
CALCIUM	MG/L CA	472	74.8 B	74.6	78.9	410	108	< 0.01	269	78.4	85.8
MAGNESIUM	MG/L MG	3010	38.2 B	36.2	41.4	194	47.4	0.02	3200	36.2	43
SODIUM	MG/L NA	1250	182 B	94	96	284	437	0.4	1263	90	96
POTASSIUM	MG/L K	71.4	4 B	8	12	12	9	< 0.04	55	6	9
IRON	MG/L FE	25.0	27.2	21.6	66.8	0.20	2.24	< 0.02	53.4	7.75	32.5
MANGANESE	MG/L MN	59.5	0.21	0.14	1.39	2.33	0.03	< 0.01	60.9	0.10	0.32
ORGANIC MATTER											
OIL & GREASE	MG/L EXTRAC	< 1	16 B	E < 1 A	E < 1 A	E	E < 1 G	E < 1 G	1.3 A	1.5 A	
HYDROCARBONS-MODIFIED8015	MG/L HC	1.8	< 0.05	< 0.2	< 0.05	.0008	< 0.05	< 0.05 F	1.7	< 0.05	< 0.05
METALS											
ARSENIC	MG/L AS	0.018	1.4	0.87	0.015	0.002	0.81	.0081	0.014	.0086	.0099
BARIUM	MG/L BA	0.95	0.40	0.29	0.36	0.02	0.04	< 0.02	0.13	0.15	0.34
CADMIUM	MG/L CD	0.84	0.01	< 0.01	0.02	0.03	< 0.01	< 0.01	0.86	< 0.01	0.01
TOTAL CHROMIUM	MG/L CR	0.73	0.08	0.06	0.09	0.07	0.02	< 0.02	0.65	0.22	0.92
LEAD	MG/L PB	< 0.04	< 0.04 B	< 0.04	< 0.04	0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
MERCURY	MG/L HG	.0004	.0014	.0175	.0021 B	.0319	.0040	.0002	<.0001 B	.0001 B	.0002
NICKEL	MG/L NI	19.6	0.08	0.07	0.12	0.13	0.05	< 0.03	19.0	0.13	0.49
SELENIUM	MG/L SE	0.066	0.07	0.31	<.0009	<.0009	0.88	.0043	0.082	.0089	.0095
SILVER	MG/L AG	0.063	<0.005 B	<0.005	<0.005	0.015	<0.005	<0.005	0.058	<0.005	<0.005
ZINC	MG/L ZN	20.3	0.40	0.04	0.12	< 0.02	0.04	0.10	30.0	0.70	1.61
ANTIMONY	MG/L SB	<0.025	< 0.03	< 0.5	<0.025	<0.005	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
BERYLLIUM	MG/L BE	0.11	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01
MOLYBDENUM	MG/L MO	0.75	0.04 B	0.04	0.07	0.19	0.11	< 0.02	0.83	0.04	0.07
THALLIUM	MG/L TL	<0.005	< 0.03	< 0.5	< 0.03	<0.005	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
VANADIUM	MG/L V	0.17	< 0.02 B	< 0.02	0.13	0.04	< 0.02	< 0.02	0.25	0.04	0.12

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-16 75 FT. SJ97579 06/07/90	RFB-9 200 FT. SJ97705 06/11/90	RFB-13 200 FT. SJ98086 06/18/90	RFB-3 184 FT. SJ98673 06/28/90	RFB-8 28 FT. SJ98794 07/02/90	RFB-4 76.5 FT. SJ99104 07/11/90	RFB-11 9 FT. SJ99234 07/16/90	RFB-16 50 FT. SJ99236 07/16/90	RFB-13 195 FT. SJ99318 07/17/90	RFB-13 195 FT. SJ99319 07/17/90
VOLATILE ORGANIC COMPOUND											
VOLATILE ORGANIC COMPOUND											
METHYLENE CHLORIDE	UG/L	220 A	< 0.5	< 2.0	< 0.5	< 0.5	< 0.5	1.4	270	< 0.5	< 0.5
CHLOROFORM	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 D	< 2.5	< 0.5 D	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
TRICHLOROETHYLENE	UG/L	11 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	7.4	< 0.5	< 0.5
TETRACHLOROETHYLENE	UG/L	34 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	19	< 0.5	< 0.5
BROMODICHLOROMETHANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	0.7	0.8
DIBROMOCHLOROMETHANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	1.8	2.0
BROMOFORM	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	1.0	1.5
CHLOROBENZENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	12 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	8.5	< 0.5	< 0.5
O-DICHLOROENZENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
M-DICHLOROENZENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
P-DICHLOROENZENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	35 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 D	32	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	2.8 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 2.5	< 0.5	< 0.5
BENZENE	UG/L	12 A	< 0.5	< 0.5	< 0.5	< 0.5 D	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
TOLUENE	UG/L	120 A	< 0.5	< 0.5	< 0.5	< 0.5 D	< 0.5	< 0.5	22	< 0.5	< 0.5
ETHYL BENZENE	UG/L	22 A	< 0.5	< 0.5	< 0.5	< 0.5 D	< 0.5	< 0.5	12	< 0.5	< 0.5
O-XYLENE	UG/L	14	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 E	< 0.5	4.3	< 0.5	< 0.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	7.2 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	6.2	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 15	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 15	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 15	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 15	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 15	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 15	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	63 A	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	33	< 0.5	< 0.5
M+P-XYLENE	UG/L	32	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 E	< 0.5	18	< 0.5	< 0.5
ACID-BASE NEUTRAL EXTRACT											
ACENAPHTHENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
ACENAPHTHYLENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
ANTHRACENE	UG/L	< 10	< 5	< 5	< 2	< 1	< 4	< 1	< 1	< 1	< 1 B
BENZIDINE	UG/L	< 40	< 20	< 18	< 124	< 62	< 248	< 62	< 62	< 62	< 62 B

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-16	RFB-9	RFB-13	RFB-3	RFB-8	RFB-4	RFB-11	RFB-16	RFB-13	RFB-13
		75 FT. SJ97579 06/07/90	200 FT. SJ97705 06/11/90	200 FT. SJ98086 06/18/90	184 FT. SJ98673 06/28/90	28 FT. SJ98794 07/02/90	76.5 FT. SJ99104 07/11/90	9 FT. SJ99234 07/16/90	50 FT. SJ99236 07/16/90	195 FT. SJ99318 07/17/90	195 FT. SJ99319 07/17/90
ACID-BASE NEUTRAL EXTRACT											
BENZO(A)ANTHRACENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
BENZO(A)PYRENE	UG/L	< 10	< 5	< 5	< 14	< 7	< 28	< 7	< 7	< 7	< 7 B
BENZO(B)FLUORANTHENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
BENZO(G,H,I)PERYLENE	UG/L	< 10	< 5	< 5	< 12	< 6	< 24	< 6	< 6	< 6	< 6 B
BENZO(K)FLUORANTHENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
BIS(2-CL-ETHOXY)METHANE	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
BIS(2-CHLOROETHYL)ETHER	UG/L	< 10	< 5	< 5	< 10	< 5	< 20	< 5	< 5	< 5	< 5 B
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 20	< 10	< 9	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
DIETHYLHEXYL PHTHALATE	UG/L	< 20	45	< 9	9 D	< 10	24 D	< 10	42	32	34 B
4-BROMOPHENYL PHENYLETHER	UG/L	< 10	< 5	< 5	< 18	< 9	< 36	< 9	< 9	< 9	< 9 B
BUTYLBENZYL PHTHALATE	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
2-CHLORONAPHTHALENE	UG/L	< 10	< 5	< 5	< 2	< 1	< 4	< 1	< 1	< 1	< 1 B
4-CHLOROPHENYLPHENYLETHER	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
CHRYSENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
DIBENZO(A,H)ANTHRACENE	UG/L	< 20	< 10	< 9	< 12	< 6	< 24	< 6	< 6	< 6	< 6 B
1,2-DICHLOROBENZENE	UG/L	< 10	< 5	< 5	< 20	< 10	< 40	< 10	< 10	< 10	< 10 B
1,3-DICHLOROBENZENE	UG/L	< 10	< 5	< 5	< 20	< 10	< 40	< 10	< 10	< 10	< 10 B
1,4-DICHLOROBENZENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
3,3'-DICHLOROBENZIDINE	UG/L	< 20	< 10	< 9	< 200	< 100	< 400	< 100	< 100	< 100	< 100 B
DIETHYL PHTHALATE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
DIMETHYL PHTHALATE	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
DI-N-BUTYL PHTHALATE	UG/L	< 10	< 5	< 5	< 8	< 4	< 16	< 4	< 4	< 4	< 4 B
2,4-DINITROTOLUENE	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
2,6-DINITROTOLUENE	UG/L	< 10	< 5	< 5	< 10	< 5	< 20	< 5	< 5	< 5	< 5 B
DI-N-OCTYL PHTHALATE	UG/L	< 10	< 5	< 5	< 10	< 5	< 20	< 5	< 5	< 5	< 5 B
1,2-DIPHENYLHYDRAZINE	UG/L	< 10	< 5	< 5	< 2	< 1	< 4	< 1	< 1	< 1	< 1 B
FLUORANTHENE	UG/L	< 12	< 6	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
FLUORENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
HEXACHLOROBENZENE	UG/L	< 10	< 5	< 5	< 2	< 1	< 4	< 1	< 1	< 1	< 1 B
HEXACHLOROBUTADIENE	UG/L	< 20	< 10	< 9	< 20	< 10	< 40	< 10	< 10	< 10	< 10 B
HEXACHLOROCYCLOPENTADIENE	UG/L	< 12	< 6	< 5	< 200	< 100	< 400	< 100	< 100	< 100	< 100 B
HEXACHLOROETHANE	UG/L	< 10	< 5	< 5	< 24	< 12	< 48	< 12	< 12	< 12	< 12 B
INDENO(1,2,3-C,D)PYRENE	UG/L	< 10	< 5	< 5	< 12	< 6	< 24	< 6	< 6	< 6	< 6 B
ISOPHORONE	UG/L	< 20	< 10	< 9	< 6	< 3	< 12	< 3	1 D	< 3	< 3 B
NAPHTHALENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
NITROBENZENE	UG/L	< 12	< 6	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
N-NITROSODIMETHYLAMINE	UG/L	< 10	< 5	< 5	< 60	< 30	< 120	< 30	< 30	< 30	< 30 B
N-NITROSODI-N-PROPYLAMINE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
PHENANTHRENE	UG/L	< 12	< 6	< 5	< 2	< 1	< 4	< 1	< 1	< 1	< 1 B
PYRENE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
2,3,7,8-TCDD	UG/L	< 20	< 10	< 9	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
2-CHLOROPHENOL	UG/L	< 10	< 5	< 5	< 16	< 8	< 32	< 8	< 8	< 8	< 8 B
1,2,4-TRICHLOROBENZENE	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-16 75 FT. SJ97579 06/07/90	RFB-9 200 FT. SJ97705 06/11/90	RFB-13 200 FT. SJ98086 06/18/90	RFB-3 184 FT. SJ98673 06/28/90	RFB-8 28 FT. SJ98794 07/02/90	RFB-4 76.5 FT. SJ99104 07/11/90	RFB-11 9 FT. SJ99234 07/16/90	RFB-16 50 FT. SJ99236 07/16/90	RFB-13 195 FT. SJ99318 07/17/90	RFB-13 195 FT. SJ99319 07/17/90
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ACID-BASE NEUTRAL EXTRACT

2,4-DICHLOROPHENOL	UG/L	< 14	< 7	< 6	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
2,4-DIMETHYLPHENOL	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	1 D	< 3	< 3 B
2,4-DINITROPHENOL	UG/L	< 50	< 25	< 23	< 78	< 39	< 156	< 39	< 39	< 39	< 39 B
2-METHYL-4,6DINITROPHENOL	UG/L	< 30	< 15	< 14	< 34	< 17	< 68	< 17	< 17	< 17	< 17 B
2-NITROPHENOL	UG/L	< 20	< 10	< 9	< 10	< 5	< 20	< 5	< 5	< 5	< 5 B
4-NITROPHENOL	UG/L	< 40	< 20	< 18	< 12	< 6	< 24	< 6	< 6	< 6	< 6 B
4-CHLORO-3-METHYLPHENOL	UG/L	< 12	1 D	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
PENTACHLOROPHENOL	UG/L	< 30	< 15	< 14	< 32	< 16	< 64	< 16	< 16	< 16	< 16 B
PHENOL	UG/L	< 10	< 5	< 5	< 6	< 3	< 12	< 3	< 3	< 3	< 3 B
2,4,6-TRICHLOROPHENOL	UG/L	< 12	< 6	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B
N-NITROSODIPHENYLAMINE	UG/L	< 10	< 5	< 5	< 4	< 2	< 8	< 2	< 2	< 2	< 2 B

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-3 185 FT. SJ99569 07/24/90	RFB-4 70 FT. SJ99718 07/26/90
GENERAL			
PH	PH	7.39 A	7.48
CONDUCTIVITY	UMHOS/CM	1090 A	2280
ANIONS			
NITRATE NITROGEN	MG/L N	6.00 B	0.09
SULFATE	MG/L SO4	48.0 C	110
CHLORIDE	MG/L CL	159 C	411
CATIONS			
CALCIUM	MG/L CA	106 B	472
MAGNESIUM	MG/L MG	59.0 B	76.9
SODIUM	MG/L NA	89 B	279
POTASSIUM	MG/L K	21 B	16
IRON	MG/L FE	5.53 B	32.4
MANGANESE	MG/L MN	0.78 B	0.36
ORGANIC MATTER			
OIL & GREASE	MG/L EXTRAC	3.3 B	< 1
HYDROCARBONS-MODIFIED8015	MG/L HC	< 0.05	< 0.05
METALS			
ARSENIC	MG/L AS	0.008	0.04
BARIUM	MG/L BA	0.92 B	0.97
CADMIUM	MG/L CD	0.02 B	0.02
TOTAL CHROMIUM	MG/L CR	0.88 B	0.22
LEAD	MG/L PB	0.09 B	< 0.04
MERCURY	MG/L HG	.0003	.0002
NICKEL	MG/L NI	0.04 B	0.21
SELENIUM	MG/L SE	0.01	0.06
SILVER	MG/L AG	0.011 B	<0.005
ZINC	MG/L ZN	4.84 B	0.85
ANTIMONY	MG/L SB	< 0.03	< 0.03
BERYLLIUM	MG/L BE	< 0.01 B	< 0.01
MOLYBDENUM	MG/L MO	0.12 B	0.14
THALLIUM	MG/L TL	< 0.03	< 0.03
VANADIUM	MG/L V	0.30 B	0.27

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

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-3	RFB-4
		185 FT. SJ99569 07/24/90	70 FT. SJ99718 07/26/90

VOLATILE ORGANIC COMPOUND			

VOLATILE ORGANIC COMPOUND			

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

ACID-BASE NEUTRAL EXTRACT			

ACENAPHTHENE	UG/L	< 2	< 4
ACENAPHTHYLENE	UG/L	< 2	< 4
ANTHRACENE	UG/L	< 1	< 2
BENZIDINE	UG/L	< 62	< 124

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-3		RFB-4	
		185 FT.	70 FT.	185 FT.	70 FT.
		SJ99569	SJ99718	SJ99569	SJ99718
		07/24/90	07/26/90	07/24/90	07/26/90
ACID-BASE NEUTRAL EXTRACT					
BENZO(A)ANTHRACENE	UG/L	<	2	<	4
BENZO(A)PYRENE	UG/L	<	7	<	14
BENZO(B)FLUORANTHENE	UG/L	<	2	<	4
BENZO(G,H,I)PERYLENE	UG/L	<	6	<	12
BENZO(K)FLUORANTHENE	UG/L	<	2	<	4
BIS(2-CL-ETHOXY)METHANE	UG/L	<	3	<	6
BIS(2-CHLOROETHYL)ETHER	UG/L	<	5	<	10
BIS(2-CL-ISOPROPYL)ETHER	UG/L	<	3	<	6
DIETHYLHEXYL PHTHALATE	UG/L	<	4	D	< 20
4-BROMOPHENYL PHENYLEETHER	UG/L	<	9	<	18
BUTYLBENZYL PHTHALATE	UG/L	<	3	<	6
2-CHLORONAPHTHALENE	UG/L	<	1	<	2
4-CHLOROPHENYLPHENYLEETHER	UG/L	<	2	<	4
CHRYSENE	UG/L	<	2	<	4
DIBENZO(A,H)ANTHRACENE	UG/L	<	6	<	12
1,2-DICHLOROBENZENE	UG/L	<	10	<	20
1,3-DICHLOROBENZENE	UG/L	<	10	<	20
1,4-DICHLOROBENZENE	UG/L	<	2	<	4
3,3'-DICHLOROBENZIDINE	UG/L	<	100	<	200
DIETHYL PHTHALATE	UG/L	<	2	<	4
DIMETHYL PHTHALATE	UG/L	<	3	<	6
DI-N-BUTYL PHTHALATE	UG/L	<	4	<	8
2,4-DINITROTOLUENE	UG/L	<	3	<	6
2,6-DINITROTOLUENE	UG/L	<	5	<	10
DI-N-OCTYL PHTHALATE	UG/L	<	5	<	10
1,2-DIPHENYLHYDRAZINE	UG/L	<	1	<	2
FLUORANTHENE	UG/L	<	2	<	4
FLUORENE	UG/L	<	2	<	4
HEXACHLOROBENZENE	UG/L	<	1	<	2
HEXACHLOROBUTADIENE	UG/L	<	10	<	20
HEXACHLOROCYCLOPENTADIENE	UG/L	<	100	<	200
HEXACHLOROETHANE	UG/L	<	12	<	24
INDENO(1,2,3-C,D)PYRENE	UG/L	<	6	<	12
ISOPHORONE	UG/L	<	3	<	6
NAPHTHALENE	UG/L	<	2	<	4
NITROBENZENE	UG/L	<	2	<	4
N-NITROSODIMETHYLAMINE	UG/L	<	30	<	60
N-NITROSODI-N-PROPYLAMINE	UG/L	<	2	<	4
PHENANTHRENE	UG/L	<	1	<	2
PYRENE	UG/L	<	2	<	4
2,3,7,8-TCDD	UG/L	<	3	<	6
2-CHLOROPHENOL	UG/L	<	8	<	16
1,2,4-TRICHLOROBENZENE	UG/L	<	3	<	6

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

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 03/31/93

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WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RFB-3	RFB-4
		185 FT. SJ99569 07/24/90	70 FT. SJ99718 07/26/90
ACID-BASE NEUTRAL EXTRACT			
2,4-DICHLOROPHENOL	UG/L	< 3	< 6
2,4-DIMETHYLPHENOL	UG/L	< 3	< 6
2,4-DINITROPHENOL	UG/L	< 39	< 78
2-METHYL-4,6DINITROPHENOL	UG/L	< 17	< 34
2-NITROPHENOL	UG/L	< 5	< 10
4-NITROPHENOL	UG/L	< 6	< 12
4-CHLORO-3-METHYLPHENOL	UG/L	< 2	< 4
PENTACHLOROPHENOL	UG/L	< 16	< 32
PHENOL	UG/L	< 3	< 6
2,4,6-TRICHLOROPHENOL	UG/L	< 2	< 4
N-NITROSODIPHENYLAMINE	UG/L	2	< 4

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

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR DOWNGRADE HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE			NOTES
SJ97579	RFB - 16 06/07/90	DEPTH: 75	FT.	6/9/90 SENT MOD 8015 TO MONTGOMERY LABS 6/9/90 SENT AS, SE, SB, TL TO B & C 408: UNPRESERVED ALIQUOT < 1MG/L, ALIQUOT PRESERVED WITH H2SO4 AT TIME OF COLLECTION = 16 UG/L. MOD 8015 - C15 - ESTIMATE. SAMPLE CHROMATOGRAM CONTAINS A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. VOC's 6/8/90 QA; XYLENES:46UG/L BNA EXT 06-08-90 INJ 06-15-90
SJ97705	RFB - 9, 06/11/90	DEPTH: 200	FT.	705,720,725,734 BROWN & CALDWELL "DUPLICATE" SAMPLE FOR OIL & GREASE (408), CONTAINING MORE PARTICULATE MATTER, GAVE 95 MG/L MODIFIED 8015 BY MONTGOMERY LABS - SPIKE 84%, DUPSPIKE 89% BCA LABS, AMENDED REPORT FOR WASTEWATER SAMPLES, 11-8-90 VOC's 6/13/90 BNA EXT 06-18-90 INJ 06-22-90
SJ98086	RFB - 13 06/18/90	DEPTH: 200	FT.	705, 720, 725, 734 BROWN & CALDWELL MODIFIED 8015 BY MONTGOMERY LABS . 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. VOC's 6/20/90 BNA EXT 06-26-90 INJ 07-13-90 BLANK 812: 2 UG/L BNA TO BE REINJECTED
SJ98673	RFB - 3, 06/28/90	DEPTH 184	FT.	408; DUPLICATE SAMPLES WERE COLLECTED AND ANALYZED, YIELDI DUPLICATE RESULTS OF < 1MG/L. 705, 720, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG. LABS. 8010 MONTGOMERY LABS VOC's 7/2/90 BNA EXT 07-03-90 INJ 08-02-90 BLANK 812: 1 UG/L
SJ98794	RFB - 8 07/02/90	DEPTH: 28.0	FT.	705, 720, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG. LABS. 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. VOC's 7/5/90 BNA EXT 900626 INJ 900713
SJ99104	RFB - 4, 07/11/90	DEPTH: 76.5	FT.	705, 720, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG. LABS. 408 NOT PERFORMED DUE TO EXCESS SILT IN SAMPLE. VOC's 7/16/90 BNA EXT 07-16-90 INJ 08-08-90 BLANK 812: 2 UG/L
SJ99234	RFB - 11, 07/16/90	DEPTH: 9.0	FT.	408: SAMPLED AND ANALYZED IN DUPLICATE- BOTH ALIQUOTS < 1 MG/L. 705, 720, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG.LABS. 28 OCT 92 - SAMPLE DESCRIPTION CHANGED PER REQUEST FROM C. HERBECK, FROM "RFB-11, DEPTH: 9.0 FT., F.I. 3-087" TO

PALOS VERDES LANDFILL DPRIR

LABORATORY NOTES FOR DOWNGRAIDENT HCP GROUNDWATER SAMPLES

JOB	SAMPLE DESCRIPTION / SAMPLE DATE	NOTES
SJ99234	RFB - 11, DEPTH: 9.0 FT. 07/16/90	"RFB-11, DEPTH: 9.5 FT., F.I. 3-087", TO CORRECT THE DEPTH THAT WAS ENTERED INCORRECTLY FROM THE SAMPLE REQUEST FORM. (JPG) VOC'S 7/18/90 BNA EXT 07-23-90 INJ 08-07-90 BLANK 812: 2 UG/L
SJ99236	RFB - 16, DEPTH: 50.0 FT. 07/16/90	408: SAMPLED AND ANALYZED IN DUPLICATE- BOTH ALIQUOTS < 1 MG/L. 705, 720, 725, 734 BROWN & CALDWELL 717: MATRIX INTERFERENCE CONFIRMED MODIFIED 8015 BY MONTGOMERY LAB SAMPLE CHROMATOGRAM CONTAIN A SINGLE PEAK WHICH IS NOT TYPICAL OF GASOLINE. VOC'S 7/18/90; XYLENES: 22UG/L. BNA EXT 07-23-90 INJ 08-07-90 BLANK 812: 2 UG/L
SJ99318	RFB - 13, DEPTH: 195 FT. 07/17/90	408: ALIQUOTS SAMPLED AND ANALYZED IN DUPLICATE, RESULTS WERE <1 AND 1.3 MG/L RESPECTIVELY. 705, 7020, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG.LABS. TRAVEL BLANK <0.05 MG/L 601/602 QA VOC's 7/19/90 BNA EXT 07-23-90 INJ 08-07-90 BLANK 812: 2 UG/L
SJ99569	RFB - 3, DEPTH: 185 FT. 07/24/90	408: ALIQUOTS SAMPLED AND ANALYZED IN DUPLICATE, RESULTS WERE <1 AND 1.5 MG/L RESPECTIVELY. 705, 720, 725, 734 BROWN & CALDWELL MODIF. 8015 BY MONTG.LABS. TRAVELBLANK <0.05 MG/L NOT ASSIGNED TO SJCWQL VOC's 7/19/90 BNA EXT 07-23-90 INJ 08-07-90 BLANK 812: 2 UG/L
SJ99718	RFB - 4, DEPTH: 70.0 FT. 07/26/90	705, 720, 725, 734 BROWN & CALDWELL HYDROCARBONS, MONTGOMERY LABS 408: DUPLICATE SAMPLE GAVE 2.9 MG/L VOC'S 7/26/90; 601/602 QA BNA EXT 07-30-90 INJ 08-08-90
		408: DUPLICATE SAMPLE, BOTH RESULTS < 1. WASTE WATER SAMPLES PER BROWN & CALDWELL C15 MODIFIED 8015 AND 8020 ANALYZED BY MONTGOMERY. AS,SE,SB,TL ANALYZED BY DROWN AND CALDWELL VOC'S 7/30/90 BNA EXT 07-30-90 INJ 08-09-90