

**PALOS VERDES LANDFILL  
REMEDIAL INVESTIGATION REPORT**

**APPENDIX B.3.1.2**

**VOLATILE ORGANIC COMPOUNDS  
BATCH QA/QC FOR  
THE GROUND WATER SAMPLES**

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 1

01/01/92 - 06/30/92

BATCH 1

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30061	601/602	01/03/92	01/06/92
SJ30064	601/602	01/03/92	01/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 1

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	1.70	15.40	121.70	68.00	130.00
TRICHLOROETHYLENE	<	0.30	5.10	17.60	117.90	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	1.80	12.90	113.40	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	0.90	9.30	106.90	89.00	117.00
BENZENE	<	0.30	1.00	7.40	107.50	93.00	119.00
TOLUENE	<	0.30	1.10	6.20	106.80	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	BLNK
		SS13	TRIP
		SJ30061	SJ30064
		01/03/92	01/03/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 5.0	< 5.0
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3
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	< 0.3	< 0.3

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 2

01/01/92 - 06/30/92

BATCH 2

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30063	601/602	01/03/92	01/06/92
SJ30069	601/602	01/03/92	01/06/92
SJ30075	601/602	01/03/92	01/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 2

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	1.70	15.40	121.70	68.00	130.00
TRICHLOROETHYLENE	<	0.30	5.10	17.60	117.90	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	1.80	12.90	113.40	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	0.90	9.30	106.90	89.00	117.00
BENZENE	<	0.30	1.00	7.40	107.50	93.00	119.00
TOLUENE	<	0.30	1.10	6.20	106.80	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK	BLNK	RUN
		SS47	SS67	SS4
		SJ30063	SJ30069	SJ30075
		01/03/92	01/03/92	01/03/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 2.0	< 2.0	< 2.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	0.5
BROMOFORM	UG/L	< 0.5	< 0.5	0.6
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	1.3	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 3

01/01/92 - 06/30/92

BATCH 3

JOB IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30076	601/602	01/03/92	01/06/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 3

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	1.70	15.40	121.70	68.00	130.00
TRICHLOROETHYLENE	<	0.30	5.10	17.60	117.90	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	1.80	12.90	113.40	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	0.90	9.30	106.90	89.00	117.00
BENZENE	<	0.30	1.00	7.40	107.50	93.00	119.00
TOLUENE	<	0.30	1.10	6.20	106.80	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 RUN  
 SS12  
 SJ30076  
 01/03/92  
 -----

CONSTITUENT/WELL NO.

UNITS

VOLATILE ORGANIC COMPOUND  
 -----

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

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 4

01/01/92 - 06/30/92

BATCH 4

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ30062	601/602	01/03/92	01/06/92
SJ30071	601/602	01/03/92	01/06/92
SJ30077	601/602	01/03/92	01/06/92
SJ30078	601/602	01/03/92	01/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 4

TEST	METHOD	BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	9.30	15.40	86.50	68.00	130.00
TRICHLOROETHYLENE	<	0.30	5.10	17.60	117.90	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	1.80	12.90	113.40	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	0.90	9.30	106.90	89.00	117.00
BENZENE	<	0.30	1.00	7.40	107.50	93.00	119.00
TOLUENE	<	0.30	1.10	6.20	106.80	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	RUN	RUN	RUN	RUN
		SS3	SS5	----	SS2
		SJ30062	SJ30071	SJ30077	SJ30078
		01/03/92	01/03/92	01/03/92	01/03/92
VOLATILE ORGANIC COMPOUND					
METHYLENE CHLORIDE	UG/L	< 5.0	< 5.0	< 0.5	< 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	< 0.3	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 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
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-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	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	0.4	0.5
TOLUENE	UG/L	< 0.3	0.4	0.7	0.7
ETHYL BENZENE	UG/L	< 0.3	< 0.3	0.4	0.4
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 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	< 0.5	< 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	< 0.3	< 0.3	< 0.3	< 0.3

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 5

01/01/92 - 06/30/92

BATCH 5

JOB IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30366	601/602	01/09/92	01/10/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH	5						
TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	9.30	15.40	86.50	68.00	130.00
TRICHLOROETHYLENE	<	2.50	7.10	17.60	99.30	87.00	126.00
CHLOROBENZENE(HALL)	<	2.50	8.10	12.90	99.40	84.00	126.00
CHLOROBENZENE(PID)	<	2.50	9.60 *	9.30	104.40	89.00	117.00
BENZENE	<	1.50	7.70 *	7.40	103.00	93.00	119.00
TOLUENE	<	1.50	7.70 *	6.20	99.30	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 SUMP  
 S7  
 SJ30366  
 01/09/92  
 -----

CONSTITUENT/WELL NO.

UNITS

ORGANIC MATTER  
-----

ACETIC ACID	MG/L	4.3 A
PROPIONIC ACID	MG/L	< 2.0 A
ISOBUTYRIC ACID	MG/L	< 2.0 A
BUTYRIC ACID	MG/L	< 2.0 A
ISOVALERIC ACID	MG/L	< 2.0 A
VALERIC ACID	MG/L	< 2.0 A

VOLATILE ORGANIC COMPOUND  
-----

METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	2.9
VINYL CHLORIDE	UG/L	15
O-DICHLOROBENZENE	UG/L	4.3
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	17
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	< 1.5
BENZENE	UG/L	12
TOLUENE	UG/L	6.8
ETHYL BENZENE	UG/L	33
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYLVINYLEETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5

-----

FOOTNOTES : A-AVERAGE OF DUPS



## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 6

01/01/92 - 06/30/92

BATCH 6

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30367	601/602	01/09/92	01/16/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH

6

TEST	METHOD	BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	11.00	15.40	138.40 *	68.00	130.00
TRICHLOROETHYLENE	<	1.50	5.90	17.60	123.90	87.00	126.00
CHLOROBENZENE (HALL)	<	2.50	7.80	12.90	124.40	84.00	126.00
CHLOROBENZENE (PID)	<	2.50	0.00	9.30	111.00	89.00	117.00
BENZENE	<	1.50	0.50	7.40	113.00	93.00	119.00
TOLUENE	<	1.50	0.60	6.20	111.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 SUMP  
 S7  
 SJ30367  
 01/09/92  
 -----

ORGANIC MATTER

-----  
 ACETIC ACID MG/L < 2.0 A  
 PROPIONIC ACID MG/L < 2.0 A  
 ISOBUTYRIC ACID MG/L < 2.0 A  
 BUTYRIC ACID MG/L < 2.0 A  
 ISOVALERIC ACID MG/L < 2.0 A  
 VALERIC ACID MG/L < 2.0 A

VOLATILE ORGANIC COMPOUND

-----  
 METHYLENE CHLORIDE UG/L < 5.0  
 CHLOROFORM UG/L < 2.5  
 1,1,1-TRICHLOROETHANE UG/L < 2.5  
 CARBON TETRACHLORIDE UG/L < 1.5  
 1,1-DICHLOROETHENE UG/L < 1.5  
 TRICHLOROETHYLENE UG/L < 1.5  
 TETRACHLOROETHYLENE UG/L < 1.5  
 BROMODICHLOROMETHANE UG/L < 2.5  
 DIBROMOCHLOROMETHANE UG/L < 2.5  
 BROMOFORM UG/L < 2.5  
 CHLOROBENZENE UG/L 3.8  
 VINYL CHLORIDE UG/L 13  
 O-DICHLOROBENZENE UG/L 5.1  
 M-DICHLOROBENZENE UG/L < 2.5  
 P-DICHLOROBENZENE UG/L 21  
 1,1-DICHLOROETHANE UG/L < 1.5  
 1,1,2-TRICHLOROETHANE UG/L < 1.5  
 1,2-DICHLOROETHANE UG/L < 1.5  
 BENZENE UG/L 12  
 TOLUENE UG/L 6.4  
 ETHYL BENZENE UG/L 33  
 TRANS-1,2-DICHLOROETHYLENE UG/L < 1.5  
 BROMOMETHANE UG/L < 15  
 CHLOROETHANE UG/L < 15  
 2-CHLOROETHYL VINYLETHER UG/L < 5.0  
 CHLOROMETHANE UG/L < 15  
 1,2-DICHLOROPROPANE UG/L < 2.5  
 CIS-1,3-DICHLOROPROPENE UG/L < 2.5  
 TRANS-1,3-DICHLOROPROPENE UG/L < 2.5  
 1,1,2,2-TETRACHLOROETHANE UG/L < 2.5  
 -----

FOOTNOTES : A-AVERAGE OF DUPS

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 7

01/01/92 - 06/30/92

BATCH 7

JOB IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ30433	601/602	01/09/92	01/17/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 7

TEST	METHOD BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	4.10	15.40	97.50	68.00	130.00
TRICHLOROETHYLENE	< 1.50	1.80	17.60	110.90	87.00	126.00
CHLOROBENZENE (HALL)	< 2.50	3.50	12.90	114.40	84.00	126.00
CHLOROBENZENE (PID)	< 2.50	0.00	9.30	109.40	89.00	117.00
BENZENE	< 1.50	4.40	7.40	107.20	93.00	119.00
TOLUENE	< 1.50	0.00	6.20	107.40	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 SUMP  
 P4  
 SJ30433  
 01/09/92  
 -----

## VOLATILE ORGANIC COMPOUND

-----  
 METHYLENE CHLORIDE UG/L < 10  
 CHLOROFORM UG/L < 2.5  
 1,1,1-TRICHLOROETHANE UG/L < 2.5  
 CARBON TETRACHLORIDE UG/L < 1.5  
 1,1-DICHLOROETHENE UG/L < 1.5  
 TRICHLOROETHYLENE UG/L 1.7  
 TETRACHLOROETHYLENE UG/L < 1.5  
 BROMODICHLOROMETHANE UG/L < 2.5  
 DIBROMOCHLOROMETHANE UG/L < 2.5  
 BROMOFORM UG/L < 2.5  
 CHLOROENZENE UG/L 12  
 VINYL CHLORIDE UG/L 12  
 O-DICHLOROENZENE UG/L < 2.5  
 M-DICHLOROENZENE UG/L < 2.5  
 P-DICHLOROENZENE UG/L < 2.5  
 1,1-DICHLOROETHANE UG/L 5.7  
 1,1,2-TRICHLOROETHANE UG/L < 1.5  
 1,2-DICHLOROETHANE UG/L 22  
 BENZENE UG/L 3.6  
 TOLUENE UG/L < 1.5  
 ETHYL BENZENE UG/L < 1.5  
 O-XYLENE UG/L < 2.5  
 TRANS-1,2-DICHLOROETHYLEN UG/L 2.4  
 BROMOMETHANE UG/L < 15  
 CHLOROETHANE UG/L < 15  
 2-CHLOROETHYLVINYLEETHER UG/L < 5.0  
 CHLOROMETHANE UG/L < 15  
 1,2-DICHLOROPROPANE UG/L < 2.5  
 CIS-1,3-DICHLOROPROPENE UG/L < 2.5  
 TRANS-1,3-DICHLOROPROPENE UG/L < 2.5  
 1,1,2,2-TETRACHLOROETHANE UG/L < 2.5  
 M+P-XYLENE UG/L < 2.5  
 -----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 8

01/01/92 - 06/30/92

BATCH 8

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ31701	601/602	02/04/92	02/06/92
SJ31702	601/602	02/04/92	02/06/92
SJ31704	601/602	02/04/92	02/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 8

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	7.80	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	5.60	17.60	107.80	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	6.20	12.90	112.90	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	5.40	9.30	112.40	89.00	117.00
BENZENE	<	0.30	7.10	7.40	112.10	93.00	119.00
TOLUENE	<	0.30	5.30	6.20	108.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M26A	M26A	TRIP
		SJ31701	SJ31702	SJ31704
		02/04/92	02/04/92	02/04/92

## VOLATILE ORGANIC COMPOUND

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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 9

01/01/92 - 06/30/92

BATCH 9

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ32410	601/602	02/18/92	02/24/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE

BATCH 9

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.80	3.50	15.40	111.60	68.00	130.00
TRICHLOROETHYLENE	<	0.80	4.40	17.60	119.50	87.00	126.00
CHLOROBENZENE(HALL)	<	1.20	3.60	12.90	118.50	84.00	126.00
CHLOROBENZENE(PID)	<	1.20	2.70	9.30	116.80	89.00	117.00
BENZENE	<	0.80	2.40	7.40	114.70	93.00	119.00
TOLUENE	<	0.80	2.50	6.20	119.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	SUMP P4 SJ32410 02/18/92
VOLATILE ORGANIC COMPOUND		
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5
TRICHLOROETHYLENE	UG/L	1.2
TETRACHLOROETHYLENE	UG/L	< 0.5
BROMODICHLOROMETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0
BROMOFORM	UG/L	< 1.0
CHLOROBENZENE	UG/L	4.5
VINYL CHLORIDE	UG/L	4.8
O-DICHLOROBENZENE	UG/L	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	2.7
1,1,2-TRICHLOROETHANE	UG/L	< 0.5
1,2-DICHLOROETHANE	UG/L	7.0
BENZENE	UG/L	< 0.5
TOLUENE	UG/L	< 0.5
ETHYL BENZENE	UG/L	< 0.5
O-XYLENE	UG/L	< 1.0
TRANS-1,2-DICHLOROETHYLEN	UG/L	1.0
BROMOMETHANE	UG/L	< 5.0
CHLOROETHANE	UG/L	< 5.0
2-CHLOROETHYLVINYLETHER	UG/L	< 2.0
CHLOROMETHANE	UG/L	< 5.0
1,2-DICHLOROPROPANE	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0
M+P-XYLENE	UG/L	< 1.0

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 10

01/01/92 - 06/30/92

BATCH 10

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ32411	601/602	02/19/92	02/25/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 10

TEST	METHOD	BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	7.10	15.40	99.00	68.00	130.00
TRICHLOROETHYLENE	<	0.30	9.20	17.60	110.00	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	10.50	12.90	114.00	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	4.50	9.30	111.00	89.00	117.00
BENZENE	<	0.30	7.50 *	7.40	106.00	93.00	119.00
TOLUENE	<	0.30	5.60	6.20	103.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----

CONSTITUENT/WELL NO.	UNITS	BLNK TRIP SJ32411 02/19/92
----------------------	-------	-------------------------------------

-----

## VOLATILE ORGANIC COMPOUND

-----

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

-----

01/01/92 - 06/30/92

BATCH 11

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ33033	601/602	03/02/92	03/13/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 11

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	5.80	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	<	1.50	3.10	17.60	123.00	87.00	126.00
CHLOROBENZENE(HALL)	<	2.50	2.80	12.90	107.90	84.00	126.00
CHLOROBENZENE(PID)	<	2.50	1.90	9.30	108.40	89.00	117.00
BENZENE	<	1.50	1.10	7.40	106.40	93.00	119.00
TOLUENE	<	1.50	2.20	6.20	103.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----		
CONSTITUENT/WELL NO.	UNITS	SUMP S7 SJ33033 03/02/92
-----		
ORGANIC MATTER		
-----		
ACETIC ACID	MG/L	74
PROPIONIC ACID	MG/L	18
ISOBUTYRIC ACID	MG/L	9.2
BUTYRIC ACID	MG/L	28
ISOVALERIC ACID	MG/L	6.4
VALERIC ACID	MG/L	7.3
VOLATILE ORGANIC COMPOUND		
-----		
METHYLENE CHLORIDE	UG/L	< 20
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	2.8
VINYL CHLORIDE	UG/L	< 2.5
O-DICHLOROBENZENE	UG/L	< 2.5
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	19
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	3.7
BENZENE	UG/L	27
TOLUENE	UG/L	22
ETHYL BENZENE	UG/L	35
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYLVINYLETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5
ACETONE	UG/L	4000
-----		

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 12

01/01/92 - 06/30/92

BATCH 12

<u>JOB IN</u> <u>BATCH</u>	<u>EPA</u> <u>METHOD</u>	<u>SAMPLE</u> <u>DATE</u>	<u>ANALYSIS</u> <u>DATE</u>
SJ33035	601/602	03/02/92	03/03/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 12

TEST	METHOD	BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	11.20	15.40	92.40	68.00	130.00
TRICHLOROETHYLENE	<	0.30	4.00	17.60	109.90	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	5.50	12.90	116.40	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	1.20	9.30	111.40	89.00	117.00
BENZENE	<	0.30	1.20	7.40	110.70	93.00	119.00
TOLUENE	<	0.30	1.60	6.20	111.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 BLNK  
 TRIP  
 SJ33035  
 03/02/92  
 -----

VOLATILE ORGANIC COMPOUND

CONSTITUENT/WELL NO.	UNITS	
METHYLENE CHLORIDE	UG/L	< 1.0
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	< 0.3
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3
BROMOMETHANE	UG/L	< 2.5
CHLOROETHANE	UG/L	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5
ACETONE	UG/L	< 20

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 13

01/01/92 - 06/30/92

BATCH 13

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ33105	601/602	03/02/92	03/04/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 13

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	11.20	15.40	92.40	68.00	130.00
TRICHLOROETHYLENE	<	1.50	4.00	17.60	109.90	87.00	126.00
CHLOROBENZENE(HALL)	<	2.50	5.50	12.90	116.40	84.00	126.00
CHLOROBENZENE(PID)	<	2.50	1.20	9.30	111.40	89.00	117.00
BENZENE	<	1.50	1.20	7.40	110.70	93.00	119.00
TOLUENE	<	1.50	1.60	6.20	111.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	SUMP P4 SJ33105 03/02/92
----------------------	-------	-----------------------------------

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 25
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	5.5
VINYL CHLORIDE	UG/L	7.1
O-DICHLOROBENZENE	UG/L	< 2.5
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	< 2.5
1,1-DICHLOROETHANE	UG/L	3.6
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	20
BENZENE	UG/L	< 1.5
TOLUENE	UG/L	< 1.5
ETHYL BENZENE	UG/L	< 1.5
O-XYLENE	UG/L	< 2.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYLVINYLEETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5
M+P-XYLENE	UG/L	< 2.5



## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 14

01/01/92 - 06/30/92

BATCH 14

<u>JOBS IN BATCH</u>	<u>EPA METHOD</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS DATE</u>
SJ33106	601/602	03/03/92	03/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 14

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	11.20	15.40	92.40	68.00	130.00
TRICHLOROETHYLENE	<	0.30	4.00	17.60	109.90	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	5.50	12.90	116.40	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	1.20	9.30	110.70	89.00	117.00
BENZENE	<	0.30	1.20	7.40	110.70	93.00	119.00
TOLUENE	<	0.30	1.60	6.20	111.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----

CONSTITUENT/WELL NO.	UNITS	BLNK TRIP SJ33106 03/03/92
----------------------	-------	-------------------------------------

-----

## VOLATILE ORGANIC COMPOUND

-----

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

-----

01/01/92 - 06/30/92

BATCH 15

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ33117	601/602	03/03/92	03/05/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 15

TEST	METHOD BLANK( $\mu\text{g}/\text{l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	11.70	15.40	147.40 *	68.00	130.00
TRICHLOROETHYLENE	< 0.30	8.50	17.60	162.50 *	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	7.20	12.90	116.40	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	1.70	9.30	162.60 *	89.00	117.00
BENZENE	< 0.30	3.00	7.40	161.10 *	93.00	119.00
TOLUENE	< 0.30	2.60	6.20	161.40 *	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M26A SJ33117 03/03/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	< 2.5
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	< 0.3
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 16

01/01/92 - 06/30/92

BATCH 16

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ33830	601/602	03/13/92	03/17/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 16

TEST	METHOD	BLANK( $\mu\text{g}/\text{l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	10.80	15.40	105.40	68.00	130.00
TRICHLOROETHYLENE	<	0.30	7.30	17.60	104.50	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	1.10	12.90	101.70	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	3.30	9.30	106.50	89.00	117.00
BENZENE	<	0.30	2.90	7.40	108.00	93.00	119.00
TOLUENE	<	0.30	2.90	6.20	108.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 BLNK  
 TRIP  
 SJ33830  
 03/13/92  
 -----

VOLATILE ORGANIC COMPOUND

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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 17

01/01/92 - 06/30/92

BATCH 17

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ34651	601/602	03/27/92	03/30/92
SJ34653	601/602	03/27/92	03/30/92
SJ34660	601/602	03/27/92	03/30/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH	17						
TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	9.80	15.40	102.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	13.80	17.60	95.20	87.00	126.00
CHLOROBENZENE (HALL)	<	0.50	11.80	12.90	93.80	84.00	126.00
CHLOROBENZENE (PID)	<	0.50	7.70	9.30	91.80	89.00	117.00
BENZENE	<	0.30	7.40	7.40	92.20 *	93.00	119.00
TOLUENE	<	0.30	7.40 *	6.20	89.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M25A SJ34651 03/27/92	M47B SJ34653 03/27/92	TRIP SJ34660 03/27/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 2.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	0.4	0.4	0.4
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYL VINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 18

01/01/92 - 06/30/92

BATCH 18

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34652	601/602	03/27/92	04/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 18

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	< 1.50	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	< 2.50	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	< 2.50	4.00	9.30	101.40	89.00	117.00
BENZENE	< 1.50	3.30	7.40	103.00	93.00	119.00
TOLUENE	< 1.50	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M45A SJ34652 03/27/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	< 2.5
VINYL CHLORIDE	UG/L	< 2.5
O-DICHLOROBENZENE	UG/L	< 2.5
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	< 2.5
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	< 1.5
BENZENE	UG/L	< 1.5
TOLUENE	UG/L	< 1.5
ETHYL BENZENE	UG/L	< 1.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYLVINYLEETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 19

01/01/92 - 06/30/92

BATCH 19

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ34696	601/602	03/30/92	04/02/92
SJ34700	601/602	03/30/92	04/02/92
SJ34778	601/602	03/31/92	04/02/92
SJ34781	601/602	03/31/92	04/02/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 1

BATCH 19

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	9.80	15.40	102.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	13.80	17.60	95.20	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	11.80	12.90	93.80	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	7.70	9.30	91.80	89.00	117.00
BENZENE	<	0.30	7.40	7.40	89.10 *	93.00	119.00
TOLUENE	<	0.30	7.40 *	6.20	89.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK	BLNK	BLNK	BLNK
		-----	TRIP	-----	TRIP
		SJ34696	SJ34700	SJ34778	SJ34781
		03/30/92	03/30/92	03/31/92	03/31/92
<b>VOLATILE ORGANIC COMPOUND</b>					
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0	< 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	< 0.3	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 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	3.8	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	2.7	< 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	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	0.6	< 0.3	0.4
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 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	< 0.5	< 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

01/01/92 - 06/30/92

BATCH 20

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34695	601/602	03/30/92	03/31/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 20

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	9.80	15.40	102.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	13.80	17.60	95.20	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	11.80	12.90	93.80	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	7.70	9.30	91.80	89.00	117.00
BENZENE	<	0.30	7.40	7.40	92.20 *	93.00	119.00
TOLUENE	<	0.30	7.40 *	6.20	89.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M26A  
 SJ34695  
 03/30/92  
 -----

VOLATILE ORGANIC COMPOUND  
 -----

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

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 21

01/01/92 - 06/30/92

BATCH 21

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34649	601/602	03/27/92	04/06/92
SJ34650	601/602	03/27/92	04/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 21

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.80	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	<	0.80	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	<	1.20	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	<	1.20	4.00	9.30	101.40	89.00	117.00
BENZENE	<	0.30	7.40	7.40	92.20 *	93.00	119.00
TOLUENE	<	0.80	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M46A SJ34649 03/27/92	M46A SJ34650 03/27/92
<b>VOLATILE ORGANIC COMPOUND</b>			
METHYLENE CHLORIDE	UG/L	< 2.0	< 2.0
CHLOROFORM	UG/L	< 1.0	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5
TRICHLOROETHYLENE	UG/L	12	17
TETRACHLOROETHYLENE	UG/L	5.7	8.4
BROMODICHLOROMETHANE	UG/L	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0	< 1.0
BROMOFORM	UG/L	< 1.0	< 1.0
CHLOROBENZENE	UG/L	< 1.0	< 1.0
VINYL CHLORIDE	UG/L	< 1.0	< 1.0
O-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
1,1-DICHLOROETHANE	UG/L	17	24
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	0.6	1.3
BENZENE	UG/L	< 0.5	< 0.5
TOLUENE	UG/L	< 0.5	< 0.5
ETHYL BENZENE	UG/L	< 0.5	< 0.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 5.0	< 5.0
CHLOROETHANE	UG/L	< 5.0	< 5.0
2-CHLOROETHYLVINYLEETHER	UG/L	< 2.0	< 2.0
CHLOROMETHANE	UG/L	< 5.0	< 5.0
1,2-DICHLOROPROPANE	UG/L	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0	< 1.0



01/01/92 - 06/30/92

BATCH 22

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34779	601/602	03/31/92	04/08/92
SJ34780	601/602	03/31/92	04/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 22

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.80	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	< 0.80	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	< 1.20	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	< 1.20	4.00	9.30	101.40	89.00	117.00
BENZENE	< 0.80	3.30	7.40	103.00	93.00	119.00
TOLUENE	< 0.80	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		PV3	PV3
		SJ34779	SJ34780
		03/31/92	03/31/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 4.0	< 4.0
CHLOROFORM	UG/L	< 1.0	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0	< 1.0
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	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0	< 1.0
BROMOFORM	UG/L	< 1.0	< 1.0
CHLOROBENZENE	UG/L	< 1.0	< 1.0
VINYL CHLORIDE	UG/L	2.1	2.0
O-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0	< 1.0
1,1-DICHLOROETHANE	UG/L	1.3	1.2
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
1,2-DICHLOROETHANE	UG/L	3.7	3.8
BENZENE	UG/L	< 0.5	< 0.5
TOLUENE	UG/L	< 0.5	< 0.5
ETHYL BENZENE	UG/L	< 0.5	< 0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5
BROMOMETHANE	UG/L	< 5.0	< 5.0
CHLOROETHANE	UG/L	< 5.0	< 5.0
2-CHLOROETHYLVINYLETHER	UG/L	< 2.0	< 2.0
CHLOROMETHANE	UG/L	< 5.0	< 5.0
1,2-DICHLOROPROPANE	UG/L	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0	< 1.0

01/01/92 - 06/30/92

BATCH 23

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34776	601/602	03/31/92	04/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 23

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.80	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	< 0.80	1.90	17.60	103.60	87.00	126.00
CHLOROBENZENE(HALL)	< 1.20	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	< 1.20	4.00	9.30	101.40	89.00	117.00
BENZENE	< 0.80	3.30	7.40	103.00	93.00	119.00
TOLUENE	< 0.80	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M49A  
 SJ34776  
 03/31/92  
 -----

VOLATILE ORGANIC COMPOUND

-----  
 METHYLENE CHLORIDE UG/L < 2.0  
 CHLOROFORM UG/L < 1.0  
 1,1,1-TRICHLOROETHANE UG/L < 1.0  
 CARBON TETRACHLORIDE UG/L < 0.5  
 1,1-DICHLOROETHENE UG/L < 0.5  
 TRICHLOROETHYLENE UG/L 1.2  
 TETRACHLOROETHYLENE UG/L < 0.5  
 BROMODICHLOROMETHANE UG/L < 1.0  
 DIBROMOCHLOROMETHANE UG/L < 1.0  
 BROMOFORM UG/L < 1.0  
 CHLOROBENZENE UG/L 8.6  
 VINYL CHLORIDE UG/L 33  
 O-DICHLOROBENZENE UG/L < 1.0  
 M-DICHLOROBENZENE UG/L < 1.0  
 P-DICHLOROBENZENE UG/L < 1.0  
 1,1-DICHLOROETHANE UG/L 8.0  
 1,1,2-TRICHLOROETHANE UG/L < 0.5  
 1,2-DICHLOROETHANE UG/L 18  
 BENZENE UG/L 3.1  
 TOLUENE UG/L < 0.5  
 ETHYL BENZENE UG/L < 0.5  
 TRANS-1,2-DICHLOROETHYLEN UG/L 0.7  
 BROMOMETHANE UG/L < 5.0  
 CHLOROETHANE UG/L < 5.0  
 2-CHLOROETHYLVINYLEETHER UG/L < 2.0  
 CHLOROMETHANE UG/L < 5.0  
 1,2-DICHLOROPROPANE UG/L < 1.0  
 CIS-1,3-DICHLOROPROPENE UG/L < 1.0  
 TRANS-1,3-DICHLOROPROPENE UG/L < 1.0  
 1,1,2,2-TETRACHLOROETHANE UG/L < 1.0  
 -----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 24

01/01/92 - 06/30/92

BATCH 24

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34775	601/602	03/31/92	04/07/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 24

TEST	METHOD BLANK( $\mu\text{g/l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	< 1.50	1.90	17.60	103.60	87.00	126.00
CHLOROBENZENE (HALL)	< 2.50	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE (PID)	< 2.50	4.00	9.30	101.40	89.00	117.00
BENZENE	< 1.50	3.30	7.40	103.00	93.00	119.00
TOLUENE	< 1.50	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 SUMP  
 S7  
 SJ34775  
 03/31/92  
 -----

ORGANIC MATTER

CONSTITUENT/WELL NO.	UNITS	
ACETIC ACID	MG/L	10
PROPIONIC ACID	MG/L	2.3
ISOBUTYRIC ACID	MG/L	< 2.0
BUTYRIC ACID	MG/L	< 2.0
ISOVALERIC ACID	MG/L	< 2.0
VALERIC ACID	MG/L	< 2.0

VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 10
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	< 2.5
VINYL CHLORIDE	UG/L	14
O-DICHLOROBENZENE	UG/L	5.3
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	26
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	< 1.5
BENZENE	UG/L	12
TOLUENE	UG/L	6.9
ETHYL BENZENE	UG/L	39
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15 A
CHLOROETHANE	UG/L	< 15 A
2-CHLOROETHYLVINYLETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15 A
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5

-----  
 FOOTNOTES : A-INTERFERENCE

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 25

01/01/92 - 06/30/92

BATCH 25

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ35647	601/602	04/15/92	04/23/92

BATCH 25

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	2.10	15.40	95.50	68.00	130.00
TRICHLOROETHYLENE	< 1.50	4.20	17.60	95.70	87.00	126.00
CHLOROBENZENE(HALL)	< 2.50	5.30	12.90	93.80	84.00	126.00
CHLOROBENZENE(PID)	< 2.50	4.90	9.30	101.90	89.00	117.00
BENZENE	< 1.50	4.50	7.40	100.10	93.00	119.00
TOLUENE	< 1.50	4.50	6.20	101.60	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M23A SJ35647 04/15/92
VOLATILE ORGANIC COMPOUND		
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	< 2.5
VINYL CHLORIDE	UG/L	< 2.5
O-DICHLOROBENZENE	UG/L	< 2.5
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	< 2.5
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	< 1.5
BENZENE	UG/L	< 1.5
TOLUENE	UG/L	< 1.5
ETHYL BENZENE	UG/L	< 1.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYL VINYL ETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 26

01/01/92 - 06/30/92

BATCH 26

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ35648	601/602	04/15/92	04/23/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 26

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.80	6.80	15.40	103.10	68.00	130.00
TRICHLOROETHYLENE	<	0.80	4.20	17.60	114.90	87.00	126.00
CHLOROBENZENE(HALL)	<	1.20	5.30	12.90	113.40	84.00	126.00
CHLOROBENZENE(PID)	<	1.20	0.90	9.30	110.90	89.00	117.00
BENZENE	<	0.80	1.10	7.40	106.40	93.00	119.00
TOLUENE	<	0.80	1.10	6.20	104.50	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 WELL  
 M24A  
 SJ35648  
 04/15/92  
 -----

-----  
 VOLATILE ORGANIC COMPOUND  
 -----

METHYLENE CHLORIDE	UG/L	< 10
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLOROBENZENE	UG/L	< 2.5
VINYL CHLORIDE	UG/L	< 2.5
O-DICHLOROBENZENE	UG/L	< 2.5
M-DICHLOROBENZENE	UG/L	< 2.5
P-DICHLOROBENZENE	UG/L	< 2.5
1,1-DICHLOROETHANE	UG/L	< 1.5
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	< 1.5
BENZENE	UG/L	< 1.5
TOLUENE	UG/L	< 1.5
ETHYL BENZENE	UG/L	< 1.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYLVINYLEETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 27

01/01/92 - 06/30/92

BATCH 27

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36659	601/602	05/04/92	05/05/92
SJ36661	601/602	05/04/92	05/05/92
SJ36662	601/602	05/04/92	05/05/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 27

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	6.90	15.40	106.50	68.00	130.00
TRICHLOROETHYLENE	< 0.30	0.60	17.60	110.10	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	0.00	12.90	110.00	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	1.40	9.30	107.20	89.00	117.00
BENZENE	< 0.30	1.30	7.40	107.80	93.00	119.00
TOLUENE	< 0.30	1.60	6.20	113.30	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	WELL
		M50B SJ36659 05/04/92	M52B SJ36661 05/04/92	M52B SJ36662 05/04/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 28

01/01/92 - 06/30/92

BATCH 28

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36660	601/602	05/04/92	05/05/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 28

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	6.90	15.40	106.50	68.00	130.00
TRICHLOROETHYLENE	< 0.30	0.60	17.60	110.10	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	0.00	12.90	110.00	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	1.40	9.30	113.30	89.00	117.00
BENZENE	< 0.30	1.30	7.40	107.20	93.00	119.00
TOLUENE	< 0.30	6.50 *	6.20	106.20	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M51B  
 SJ36660  
 05/04/92  
 -----

VOLATILE ORGANIC COMPOUND

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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 29

01/01/92 - 06/30/92

BATCH 29

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ36740	601/602	05/05/92	05/06/92
SJ36741	601/602	05/05/92	05/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 2

BATCH 29

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	1.90	15.40	107.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	6.50	17.60	108.30	87.00	126.00
CHLOROBENZENE (HALL)	< 0.50	7.70	12.90	108.30	84.00	126.00
CHLOROBENZENE (PID)	< 0.50	8.10	9.30	111.90	89.00	117.00
BENZENE	< 0.30	7.40	7.40	107.50	93.00	119.00
TOLUENE	< 0.30	7.40 *	6.20	107.50	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/16/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M54B SJ36740 05/05/92	M55B SJ36741 05/05/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0
CHLOROFORM	UG/L	< 1.0	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3
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



## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 30

01/01/92 - 06/30/92

BATCH 30

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ36742	601/602	05/05/92	05/06/92
SJ36743	601/602	05/05/92	05/06/92
SJ36744	601/602	05/05/92	05/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 30

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	1.90	15.40	107.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	6.50	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	7.70	12.90	116.90	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	8.10	9.30	111.90	89.00	117.00
BENZENE	<	0.60	7.40	7.40	107.50	93.00	119.00
TOLUENE	<	0.30	6.50 *	6.20	106.20	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M57B SJ36742 05/05/92	M57B SJ36743 05/05/92	TRIP SJ36744 05/05/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 31

01/01/92 - 06/30/92

BATCH 31

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36819	601/602	05/06/92	05/07/92
SJ36820	601/602	05/06/92	05/07/92

BATCH 31

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	11.60	15.40	117.50	68.00	130.00
TRICHLOROETHYLENE	<	0.30	0.60	17.60	100.60	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	3.40	12.90	110.70	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	1.90	9.30	101.90	89.00	117.00
BENZENE	<	0.30	3.60	7.40	106.60	93.00	119.00
TOLUENE	<	0.30	1.50	6.20	102.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M58B	M59B
		SJ36819	SJ36820
		05/06/92	05/06/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.8	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5
2-CHLOROETHYL VINYL ETHER	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

VOLATILE ORGANIC COMPOUND QA/QC BATCHES

01/01/92 - 06/30/92

BATCH 32

<u>JOBS IN</u> <u>BATCH</u>	<u>EPA</u> <u>METHOD</u>	<u>SAMPLE</u> <u>DATE</u>	<u>ANALYSIS</u> <u>DATE</u>
SJ36808	601/602	05/05/92	05/07/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 32

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	11.60	15.40	117.50	68.00	130.00
TRICHLOROETHYLENE	< 1.50	0.60	17.60	100.60	87.00	126.00
CHLOROBENZENE(HALL)	< 2.50	3.40	12.90	110.70	84.00	126.00
CHLOROBENZENE(PID)	< 2.50	1.90	9.30	101.90	89.00	117.00
BENZENE	< 1.50	3.60	7.40	106.60	93.00	119.00
TOLUENE	< 1.50	1.50	6.20	102.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----		
CONSTITUENT/WELL NO.	UNITS	SUMP P4 SJ36808 05/05/92
-----		
VOLATILE ORGANIC COMPOUND		
-----		
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	UG/L	< 2.5
CARBON TETRACHLORIDE	UG/L	< 1.5
1,1-DICHLOROETHENE	UG/L	< 1.5
TRICHLOROETHYLENE	UG/L	< 1.5
TETRACHLOROETHYLENE	UG/L	< 1.5
BROMODICHLOROMETHANE	UG/L	< 2.5
DIBROMOCHLOROMETHANE	UG/L	< 2.5
BROMOFORM	UG/L	< 2.5
CHLORO BENZENE	UG/L	< 2.5
VINYL CHLORIDE	UG/L	3.1
O-DICHLORO BENZENE	UG/L	< 2.5
M-DICHLORO BENZENE	UG/L	< 2.5
P-DICHLORO BENZENE	UG/L	< 2.5
1,1-DICHLOROETHANE	UG/L	1.6
1,1,2-TRICHLOROETHANE	UG/L	< 1.5
1,2-DICHLOROETHANE	UG/L	7.2
BENZENE	UG/L	2.6
TOLUENE	UG/L	< 1.5
ETHYL BENZENE	UG/L	< 1.5
O-XYLENE	UG/L	< 2.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 1.5
BROMOMETHANE	UG/L	< 15
CHLOROETHANE	UG/L	< 15
2-CHLOROETHYL VINYLETHER	UG/L	< 5.0
CHLOROMETHANE	UG/L	< 15
1,2-DICHLOROPROPANE	UG/L	< 2.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 2.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 2.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 2.5
M+P-XYLENE	UG/L	< 2.5
-----		

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 33

01/01/92 - 06/30/92

BATCH 33

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ36821	601/602	05/06/92	05/08/92
SJ36822	601/602	05/06/92	05/08/92
SJ36823	601/602	05/06/92	05/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 33

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	1.80	15.40	110.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.80	17.60	109.90	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	1.00	12.90	103.90	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.30	0.00	7.40	111.50	93.00	119.00
TOLUENE	< 0.30	1.00	6.20	112.60	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M60B SJ36821 05/06/92	M62B SJ36822 05/06/92	---- SJ36823 05/06/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 34

01/01/92 - 06/30/92

BATCH 34

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36937	601/602	05/07/92	05/11/92
SJ36938	601/602	05/07/92	05/11/92
SJ36939	601/602	05/07/92	05/11/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 34

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	2.90	15.40	105.00	68.00	130.00
TRICHLOROETHYLENE	<	0.30	4.60	17.60	110.00	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	2.70	12.90	113.00	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	0.00	9.30	105.00	89.00	117.00
BENZENE	<	0.30	0.00	7.40	105.00	93.00	119.00
TOLUENE	<	0.30	0.00	6.20	106.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M26A SJ36937 05/07/92	M61B SJ36938 05/07/92	---- SJ36939 05/07/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L		< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L		< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L		< 0.3	< 0.3
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

01/01/92 - 06/30/92

BATCH 35

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36940	601/602	05/07/92	05/11/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 35

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	2.90	15.40	105.00	68.00	130.00
TRICHLOROETHYLENE	< 0.30	4.60	17.60	110.00	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	2.70	12.90	113.00	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.00	9.30	105.00	89.00	117.00
BENZENE	< 0.30	0.00	7.40	105.00	93.00	119.00
TOLUENE	< 0.30	0.00	6.20	106.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M56B SJ36940 05/07/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	< 1.0
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	< 0.3
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3
BROMOMETHANE	UG/L	< 2.5
CHLOROETHANE	UG/L	< 2.5
2-CHLOROETHYLVINYLEETHER	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 36

01/01/92 - 06/30/92

BATCH 36

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ36941	601/602	05/07/92	05/11/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 36

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	2.90	15.40	105.00	68.00	130.00
TRICHLOROETHYLENE	<	0.30	4.60	17.60	110.00	87.00	126.00
CHLOROBENZENE(HALL)	<	0.50	2.70	12.90	113.00	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	0.00	9.30	105.00	89.00	117.00
BENZENE	<	0.30	0.00	7.40	105.00	93.00	119.00
TOLUENE	<	0.30	0.00	6.20	106.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF DA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK TRIP SJ36941 05/07/92
VOLATILE ORGANIC COMPOUND		
METHYLENE CHLORIDE	UG/L	< 1.0
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	< 0.3
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3
BROMOMETHANE	UG/L	< 2.5
CHLOROETHANE	UG/L	< 2.5
2-CHLOROETHYLVINYLEETHER	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 37

01/01/92 - 06/30/92

BATCH 37

JOB IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ38096	601/602	06/01/92	06/02/92
SJ38097	601/602	06/01/92	06/02/92
SJ38098	601/602	06/01/92	06/02/92
SJ38099	601/602	06/01/92	06/02/92
SJ38100	601/602	06/01/92	06/02/92
SJ38101	601/602	06/01/92	06/02/92
SJ38102	601/602	06/01/92	06/02/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 37

TEST	METHOD BLANK( $\mu\text{g}/\text{l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	2.00	15.40	99.50	68.00	130.00
TRICHLOROETHYLENE	< 0.30	5.60	17.60	107.80	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	5.40	12.90	111.40	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	3.60	9.30	110.40	89.00	117.00
BENZENE	< 0.30	2.10	7.40	106.90	93.00	119.00
TOLUENE	< 0.30	4.40	6.20	103.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS





## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 38

01/01/92 - 06/30/92

BATCH 38

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38156	601/602	06/02/92	06/03/92
SJ38157	601/602	06/02/92	06/03/92

BATCH 38

TEST	METHOD BLANK( $\mu\text{g}/\text{l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	4.10	15.40	111.70	68.00	130.00
TRICHLOROETHYLENE	< 0.30	4.40	17.60	118.70	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	3.10	12.90	120.70	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	3.10	9.30	120.70 *	89.00	117.00
BENZENE	< 0.50	3.60	7.40	115.60	93.00	119.00
TOLUENE	< 0.30	2.90	6.20	115.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M35B SJ38156 06/02/92	M38A SJ38157 06/02/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	24
TETRACHLOROETHYLENE	UG/L	< 0.3	9.9
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	19
VINYL CHLORIDE	UG/L	< 0.5	3.7
O-DICHLOROBENZENE	UG/L	< 0.5	1.0
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5	13
1,1-DICHLOROETHANE	UG/L	< 0.3	0.9
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	3.0
BENZENE	UG/L	< 0.3	1.5
TOLUENE	UG/L	< 0.3	0.5
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	0.5
BROMOMETHANE	UG/L	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5
2-CHLOROETHYLVINYLEETHER	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

01/01/92 - 06/30/92

BATCH 39

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38158	601/602	06/02/92	06/03/92
SJ38160	601/602	06/02/92	06/03/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 3

BATCH 39

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	4.10	15.40	111.70	68.00	130.00
TRICHLOROETHYLENE	< 0.30	4.40	17.60	118.70	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	3.10	12.90	120.70	84.00	126.00
BENZENE	0.35	3.10	7.40	107.60	93.00	119.00
TOLUENE	< 0.30	2.90	6.20	115.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	BLNK
		M39A	TRIP
		SJ38158	SJ38160
		06/02/92	06/02/92

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	26	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	2.6	< 0.3
TETRACHLOROETHYLENE	UG/L	2.9	< 0.3
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	1.2	< 0.3
TOLUENE	UG/L	2.5	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3
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

01/01/92 - 06/30/92

BATCH 40

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ38266	601/602	06/03/92	06/04/92
SJ38267	601/602	06/03/92	06/04/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 40

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
CHLOROBENZENE (PID)	< 0.50	0.60	9.30	99.00	89.00	117.00
1,1-DICHLOROETHENE	< 0.30	3.40	15.40	115.00	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.80	17.60	108.00	87.00	126.00
CHLOROBENZENE (HALL)	< 0.50	4.00	12.90	103.00	84.00	126.00
CHLOROBENZENE (PID)	< 0.50	0.60	9.30	99.00	89.00	117.00
BENZENE	< 0.30	0.30	7.40	100.00	93.00	119.00
TOLUENE	< 0.30	0.10	6.20	99.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M42A	M42A
		SJ38266	SJ38267
		06/03/92	06/03/92

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	0.9	0.9
TETRACHLOROETHYLENE	UG/L	12	11
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5
2-CHLOROETHYLVINYLEETHER	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

01/01/92 - 06/30/92

BATCH 41

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
-----	-----	-----	-----
SJ38264	601/602	06/03/92	06/04/92
SJ38265	601/602	06/03/92	06/04/92
SJ38269	601/602	06/03/92	06/04/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 41

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	3.40	15.40	115.00	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.80	17.60	108.00	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	4.00	12.90	103.00	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.60	9.30	99.00	89.00	117.00
BENZENE	< 0.30	0.30	7.40	100.00	93.00	119.00
TOLUENE	< 0.30	0.10	6.20	99.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL	BLNK
		M40A	M41A	TRIP
		SJ38264	SJ38265	SJ38269
		06/03/92	06/03/92	06/03/92
<b>VOLATILE ORGANIC COMPOUND</b>				
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	UG/L	< 0.5	< 0.5	< 0.5
CHLORO BENZENE	UG/L	16	< 0.5	< 0.5
VINYL CHLORIDE	UG/L	< 0.5	< 0.5	< 0.5
O-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
M-DICHLORO BENZENE	UG/L	< 0.5	< 0.5	< 0.5
P-DICHLORO BENZENE	UG/L	12	< 0.5	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3	< 0.3
BENZENE	UG/L	3.2	< 0.3	< 0.3
TOLUENE	UG/L	< 0.3	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< 0.5	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 42

01/01/92 - 06/30/92

BATCH 42

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38337	601/602	06/04/92	06/09/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 42

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	0.30	0.00	15.40	104.60	68.00	130.00
TRICHLOROETHYLENE	<	0.30	3.50	17.60	115.90	87.00	126.00
CHLOROBENZENE(HALL)	<	0.30	3.50	12.90	115.90	84.00	126.00
CHLOROBENZENE(PID)	<	0.50	1.90	9.30	108.40	89.00	117.00
BENZENE	<	0.50	0.00	7.40	106.90	93.00	119.00
TOLUENE	<	0.50	3.20	6.20	108.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M26A  
 SJ38337  
 06/04/92  
 -----

VOLATILE ORGANIC COMPOUND  
 -----

METHYLENE CHLORIDE	UG/L	< 1.0
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	< 0.3
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3

-----

01/01/92 - 06/30/92

BATCH 43

JOB IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38338	601/602	06/04/92	06/05/92
SJ38339	601/602	06/04/92	06/05/92



## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 43

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	0.00	15.40	104.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	3.50	17.60	115.90	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	0.00	12.90	112.40	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	1.90	9.30	108.40	89.00	117.00
BENZENE	< 0.30	0.00	7.40	106.90	93.00	119.00
TOLUENE	< 0.30	3.20	6.20	108.00	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL	WELL
		M36A	M37A
		SJ38338	SJ38339
		06/04/92	06/04/92

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 1.0	1.2
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	14
TETRACHLOROETHYLENE	UG/L	< 0.3	8.9
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	1.2
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	< 0.3	3.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.5
TOLUENE	UG/L	< 0.3	< 0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5
2-CHLOROETHYLVINYLEETHER	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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 44

01/01/92 - 06/30/92

BATCH 44

<u>JOBS IN BATCH</u>	<u>EPA METHOD</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS DATE</u>
SJ38340	601/602	06/04/92	06/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 44

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.30	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 0.30	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----

CONSTITUENT/WELL NO.	UNITS	BLNK TRIP SJ38340 06/04/92
----------------------	-------	-------------------------------------

-----

## VOLATILE ORGANIC COMPOUND

-----

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

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 45

01/01/92 - 06/30/92

BATCH 45

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38409	601/602	06/05/92	06/09/92
SJ38415	601/602	06/05/92	06/09/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 45

TEST	METHOD BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE (HALL)	< 0.50	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE (PID)	< 0.50	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.30	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 0.30	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK	BLNK
		TRIP	TRIP
		SJ38409	SJ38415
		06/05/92	06/05/92
VOLATILE ORGANIC COMPOUND			
METHYLENE CHLORIDE	UG/L	< 1.0	< 1.0
CHLOROFORM	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3	< 0.3
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	< 0.3	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3	< 0.3
BENZENE	UG/L	< 0.3	< 0.3
TOLUENE	UG/L	0.4	0.3
ETHYL BENZENE	UG/L	< 0.3	< 0.3
O-XYLENE	UG/L	< 0.5	< 0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.3	< 0.3
BROMOMETHANE	UG/L	< 2.5	< 2.5
CHLOROETHANE	UG/L	< 2.5	< 2.5
2-CHLOROETHYL VINYL ETHER	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
M+P-XYLENE	UG/L	< 0.5	< 0.5



## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 46

01/01/92 - 06/30/92

BATCH 46

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38414	601/602	06/05/92	06/09/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 46

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.30	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 0.30	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 BLNK  
 ----  
 SJ38414  
 06/05/92  
 -----

CONSTITUENT/WELL NO.      UNITS

## VOLATILE ORGANIC COMPOUND

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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 47

01/01/92 - 06/30/92

BATCH 47

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ38408	601/602	06/04/92	06/10/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 47

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.80	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 0.80	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 1.20	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 1.20	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.80	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 0.80	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 SUMP  
 P4  
 SJ38408  
 06/04/92  
 -----

## VOLATILE ORGANIC COMPOUND

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

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 48

01/01/92 - 06/30/92

BATCH 48

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ39656	601/602	06/30/92	07/02/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 48

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	0.80	15.40	119.10	68.00	130.00
TRICHLOROETHYLENE	< 1.50	0.90	17.60	118.40	87.00	126.00
CHLOROBENZENE(HALL)	< 2.50	0.90	12.90	109.90	84.00	126.00
CHLOROBENZENE(PID)	< 2.50	0.90	9.30	105.90	89.00	117.00
BENZENE	< 1.50	0.00	7.40	108.10	93.00	119.00
TOLUENE	< 1.50	2.00	6.20	116.60	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

-----  
 SUMP  
 S7  
 SJ39656  
 06/30/92  
 -----

CONSTITUENT/WELL NO.

UNITS

## ORGANIC MATTER

-----  
 ACETIC ACID MG/L < 2.0  
 PROPIONIC ACID MG/L < 2.0  
 ISOBUTYRIC ACID MG/L < 2.0  
 BUTYRIC ACID MG/L < 2.0  
 ISOVALERIC ACID MG/L < 2.0  
 VALERIC ACID MG/L < 2.0

## VOLATILE ORGANIC COMPOUND

-----  
 METHYLENE CHLORIDE UG/L < 10  
 CHLOROFORM UG/L < 2.5  
 1,1,1-TRICHLOROETHANE UG/L < 2.5  
 CARBON TETRACHLORIDE UG/L < 1.5  
 1,1-DICHLOROETHENE UG/L < 1.5  
 TRICHLOROETHYLENE UG/L < 1.5  
 TETRACHLOROETHYLENE UG/L < 1.5  
 BROMODICHLOROMETHANE UG/L < 2.5  
 DIBROMOCHLOROMETHANE UG/L < 2.5  
 BROMOFORM UG/L < 2.5  
 CHLOROBENZENE UG/L 4.7  
 VINYL CHLORIDE UG/L 14  
 O-DICHLOROBENZENE UG/L 6.1  
 M-DICHLOROBENZENE UG/L < 2.5  
 P-DICHLOROBENZENE UG/L 24  
 1,1-DICHLOROETHANE UG/L < 1.5  
 1,1,2-TRICHLOROETHANE UG/L < 1.5  
 1,2-DICHLOROETHANE UG/L < 1.5  
 BENZENE UG/L 15  
 TOLUENE UG/L 5.8  
 ETHYL BENZENE UG/L 36  
 TRANS-1,2-DICHLOROETHYLENE UG/L < 1.5  
 BROMOMETHANE UG/L < 15  
 CHLOROETHANE UG/L < 15  
 2-CHLOROETHYLVINYLETHYLENE UG/L < 5.0  
 CHLOROMETHANE UG/L < 15  
 1,2-DICHLOROPROPANE UG/L < 2.5  
 CIS-1,3-DICHLOROPROPENE UG/L < 2.5  
 TRANS-1,3-DICHLOROPROPENE UG/L < 2.5  
 1,1,2,2-TETRACHLOROETHANE UG/L < 2.5  
 -----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 49

01/01/92 - 06/30/92

BATCH 49

<u>JOB IN</u> <u>BATCH</u>	<u>EPA</u> <u>METHOD</u>	<u>SAMPLE</u> <u>DATE</u>	<u>ANALYSIS</u> <u>DATE</u>
SJ39657	601/602	06/30/92	07/07/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 4

BATCH 49

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 0.30	0.00	15.40	125.70	68.00	130.00
TRICHLOROETHYLENE	< 0.30	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 0.50	1.90	12.90	107.40	84.00	126.00
CHLOROBENZENE(PID)	< 0.50	0.00	9.30	100.40	89.00	117.00
BENZENE	0.33	1.00	7.40	109.80	93.00	119.00
TOLUENE	< 0.30	4.80	6.20	119.50	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	BLNK TRIP SJ39657 06/30/92
VOLATILE ORGANIC COMPOUND		
METHYLENE CHLORIDE	UG/L	< 1.0
CHLOROFORM	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.3
1,1-DICHLOROETHENE	UG/L	< 0.3
TRICHLOROETHYLENE	UG/L	< 0.3
TETRACHLOROETHYLENE	UG/L	< 0.3
BROMODICHLOROMETHANE	UG/L	< 0.5
DIBROMOCHLOROMETHANE	UG/L	< 0.5
BROMOFORM	UG/L	< 0.5
CHLOROBENZENE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.5
O-DICHLOROBENZENE	UG/L	< 0.5
M-DICHLOROBENZENE	UG/L	< 0.5
P-DICHLOROBENZENE	UG/L	< 0.5
1,1-DICHLOROETHANE	UG/L	< 0.3
1,1,2-TRICHLOROETHANE	UG/L	< 0.3
1,2-DICHLOROETHANE	UG/L	< 0.3
BENZENE	UG/L	0.4
TOLUENE	UG/L	< 0.3
ETHYL BENZENE	UG/L	< 0.3
TRANS-1,2-DICHLOROETHYLEN	UG/L	< 0.3
BROMOMETHANE	UG/L	< 2.5
CHLOROETHANE	UG/L	< 2.5
2-CHLOROETHYLVINYLETHER	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 2.5
1,2-DICHLOROPROPANE	UG/L	< 0.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 50

01/01/92 - 06/30/92

BATCH 50

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ33034	601/602	03/02/92	03/03/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 50

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.50	11.20	15.40	92.40	68.00	130.00
TRICHLOROETHYLENE	< 1.50	4.00	17.60	109.90	87.00	126.00
CHLOROBENZENE(HALL)	< 2.50	5.50	12.90	116.40	84.00	126.00
CHLOROBENZENE(PID)	< 2.50	1.20	9.30	111.40	89.00	117.00
BENZENE	< 1.50	1.20	7.40	110.70	93.00	119.00
TOLUENE	< 1.50	1.60	6.20	111.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 SUMP  
 P4  
 SJ33034  
 03/02/92  
 -----

VOLATILE ORGANIC COMPOUND

-----  
 METHYLENE CHLORIDE UG/L < 5.0  
 CHLOROFORM UG/L < 2.5  
 1,1,1-TRICHLOROETHANE UG/L < 2.5  
 CARBON TETRACHLORIDE UG/L < 1.5  
 1,1-DICHLOROETHENE UG/L < 1.5  
 TRICHLOROETHYLENE UG/L < 1.5  
 TETRACHLOROETHYLENE UG/L < 1.5  
 BROMODICHLOROMETHANE UG/L < 2.5  
 DIBROMOCHLOROMETHANE UG/L < 2.5  
 BROMOFORM UG/L < 2.5  
 CHLOROBENZENE UG/L 11  
 VINYL CHLORIDE UG/L 6.1  
 O-DICHLOROBENZENE UG/L < 2.5  
 M-DICHLOROBENZENE UG/L < 2.5  
 P-DICHLOROBENZENE UG/L < 2.5  
 1,1-DICHLOROETHANE UG/L 4.5  
 1,1,2-TRICHLOROETHANE UG/L < 1.5  
 1,2-DICHLOROETHANE UG/L 25  
 BENZENE UG/L 6.1 A  
 TOLUENE UG/L < 1.5  
 ETHYL BENZENE UG/L < 1.5  
 TRANS-1,2-DICHLOROETHYLEN UG/L 1.5  
 BROMOMETHANE UG/L < 15  
 CHLOROETHANE UG/L < 15  
 2-CHLOROETHYLVINYLEETHER UG/L < 5.0  
 CHLOROMETHANE UG/L < 15  
 1,2-DICHLOROPROPANE UG/L < 2.5  
 CIS-1,3-DICHLOROPROPENE UG/L < 2.5  
 TRANS-1,3-DICHLOROPROPENE UG/L < 2.5  
 1,1,2,2-TETRACHLOROETHANE UG/L < 2.5  
 -----

FOOTNOTES : A-INTERFERENCE

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 51

01/01/92 - 06/30/92

BATCH 51

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34697	601/602	03/30/92	04/06/92



BATCH 51

TEST	METHOD BLANK (ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 30.00	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	< 30.00	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE (HALL)	< 50.00	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE (PID)	< 50.00	4.00	9.30	101.40	89.00	117.00
BENZENE	< 30.00	3.30	7.40	103.00	93.00	119.00
TOLUENE	< 30.00	3.30	6.20	103.00	87.00	120.00
1,1-DICHLOROETHENE	< 30.00	3.30	15.40	105.70	68.00	130.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M06A  
 SJ34697  
 03/30/92  
 -----

VOLATILE ORGANIC COMPOUND

CONSTITUENT/WELL NO.	UNITS		
METHYLENE CHLORIDE	UG/L	<	20
CHLOROFORM	UG/L	<	10
1,1,1-TRICHLOROETHANE	UG/L	<	10
CARBON TETRACHLORIDE	UG/L	<	5.0
1,1-DICHLOROETHENE	UG/L	<	5.0
TRICHLOROETHYLENE	UG/L		32
TETRACHLOROETHYLENE	UG/L	<	5.0
BROMODICHLOROMETHANE	UG/L	<	10
DIBROMOCHLOROMETHANE	UG/L	<	10
BROMOFORM	UG/L	<	10
CHLOROENZENE	UG/L		860
VINYL CHLORIDE	UG/L		1100
O-DICHLOROENZENE	UG/L	<	10
M-DICHLOROENZENE	UG/L	<	10
P-DICHLOROENZENE	UG/L		27
1,1-DICHLOROETHANE	UG/L		120
1,1,2-TRICHLOROETHANE	UG/L	<	5.0
1,2-DICHLOROETHANE	UG/L		240
BENZENE	UG/L		47
TOLUENE	UG/L		14
ETHYL BENZENE	UG/L	<	5.0
TRANS-1,2-DICHLOROETHYLEN	UG/L		29
BROMOMETHANE	UG/L	<	50
CHLOROETHANE	UG/L	<	50
2-CHLOROETHYLVINYLETHER	UG/L	<	20
CHLOROMETHANE	UG/L	<	50
1,2-DICHLOROPROPANE	UG/L		22
CIS-1,3-DICHLOROPROPENE	UG/L	<	10
TRANS-1,3-DICHLOROPROPENE	UG/L	<	10
1,1,2,2-TETRACHLOROETHANE	UG/L	<	10

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 52

01/01/92 - 06/30/92

BATCH 52

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34698	601/602	03/30/92	04/06/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 52

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
TRICHLOROETHYLENE	< 6.00	9.80	17.60	102.60	87.00	126.00
CHLOROBENZENE(HALL)	< 6.00	13.80 *	12.90	95.20	84.00	126.00
CHLOROBENZENE(PID)	< 10.00	11.80 *	9.30	93.80	89.00	117.00
BENZENE	< 6.00	7.40	7.40	92.20 *	93.00	119.00
TOLUENE	< 6.00	7.40 *	6.20	89.10	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93 Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 M06B  
 SJ34698  
 03/30/92  
 -----

VOLATILE ORGANIC COMPOUND

CONSTITUENT/WELL NO.	UNITS		
METHYLENE CHLORIDE	UG/L	<	20
CHLOROFORM	UG/L	<	10
1,1,1-TRICHLOROETHANE	UG/L	<	10
CARBON TETRACHLORIDE	UG/L	<	5.0
1,1-DICHLOROETHENE	UG/L	<	5.0
TRICHLOROETHYLENE	UG/L		32
TETRACHLOROETHYLENE	UG/L	<	5.0
BROMODICHLOROMETHANE	UG/L	<	10
DIBROMOCHLOROMETHANE	UG/L	<	10
BROMOFORM	UG/L	<	10
CHLOROBENZENE	UG/L		1100
VINYL CHLORIDE	UG/L		1400
O-DICHLOROBENZENE	UG/L	<	10
M-DICHLOROBENZENE	UG/L	<	10
P-DICHLOROBENZENE	UG/L	<	10
1,1-DICHLOROETHANE	UG/L		150
1,1,2-TRICHLOROETHANE	UG/L	<	5.0
1,2-DICHLOROETHANE	UG/L		330
BENZENE	UG/L		55
TOLUENE	UG/L		16
ETHYL BENZENE	UG/L	<	5.0
TRANS-1,2-DICHLOROETHYLEN	UG/L		19
BROMOMETHANE	UG/L	<	50
CHLOROETHANE	UG/L	<	50
2-CHLOROETHYLVINYLEETHER	UG/L	<	20
CHLOROMETHANE	UG/L	<	50
1,2-DICHLOROPROPANE	UG/L		19
CIS-1,3-DICHLOROPROPENE	UG/L	<	10
TRANS-1,3-DICHLOROPROPENE	UG/L	<	10
1,1,2,2-TETRACHLOROETHANE	UG/L	<	10

-----

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 53

01/01/92 - 06/30/92

BATCH 53

<u>JOBS IN BATCH</u>	<u>EPA METHOD</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS DATE</u>
SJ34777	601/602	03/31/92	04/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 53

TEST	METHOD	BLANK( $\mu\text{g}/\text{l}$ )	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	3.00	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	<	3.00	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	<	5.00	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	<	5.00	4.00	9.30	101.40	89.00	117.00
BENZENE	<	3.00	3.30	7.40	103.00	93.00	119.00
TOLUENE	<	3.00	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 P4-6  
 SJ34777  
 03/31/92  
 -----

VOLATILE ORGANIC COMPOUND  
 -----

CONSTITUENT/WELL NO.	UNITS	
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5
1,1-DICHLOROETHENE	UG/L	1.7
TRICHLOROETHYLENE	UG/L	55
TETRACHLOROETHYLENE	UG/L	16
BROMODICHLOROMETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0
BROMOFORM	UG/L	< 1.0
CHLOROBENZENE	UG/L	160
VINYL CHLORIDE	UG/L	220
O-DICHLOROBENZENE	UG/L	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	87
1,1,2-TRICHLOROETHANE	UG/L	< 0.5
1,2-DICHLOROETHANE	UG/L	290
BENZENE	UG/L	7.8
TOLUENE	UG/L	0.7
ETHYL BENZENE	UG/L	0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	34
BROMOMETHANE	UG/L	< 5.0
CHLOROETHANE	UG/L	< 5.0
2-CHLOROETHYL VINYLETHER	UG/L	< 2.0
CHLOROMETHANE	UG/L	< 5.0
1,2-DICHLOROPROPANE	UG/L	5.2
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0

-----



## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 54

01/01/92 - 06/30/92

BATCH 54

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ34699	601/602	03/30/92	04/07/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 54

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	3.00	1.90	15.40	103.60	68.00	130.00
TRICHLOROETHYLENE	<	3.00	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	<	5.00	1.00	12.90	104.90	84.00	126.00
CHLOROBENZENE(PID)	<	5.00	4.00	9.30	101.40	89.00	117.00
BENZENE	<	3.00	3.30	7.40	103.00	93.00	119.00
TOLUENE	<	3.00	3.30	6.20	105.70	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

Date : 04/21/93

Page 1

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M07A SJ34699 03/30/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	< 20
CHLOROFORM	UG/L	< 5.0
1,1,1-TRICHLOROETHANE	UG/L	< 5.0
CARBON TETRACHLORIDE	UG/L	< 2.5
1,1-DICHLOROETHENE	UG/L	< 2.5
TRICHLOROETHYLENE	UG/L	78
TETRACHLOROETHYLENE	UG/L	8.6
BROMODICHLOROMETHANE	UG/L	< 5.0
DIBROMOCHLOROMETHANE	UG/L	< 5.0
BROMOFORM	UG/L	< 5.0
CHLOROBENZENE	UG/L	330
VINYL CHLORIDE	UG/L	420
O-DICHLOROBENZENE	UG/L	< 5.0
M-DICHLOROBENZENE	UG/L	< 5.0
P-DICHLOROBENZENE	UG/L	< 5.0
1,1-DICHLOROETHANE	UG/L	64
1,1,2-TRICHLOROETHANE	UG/L	< 2.5
1,2-DICHLOROETHANE	UG/L	90
BENZENE	UG/L	75
TOLUENE	UG/L	7.1
ETHYL BENZENE	UG/L	< 2.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	9.7
BROMOMETHANE	UG/L	< 25
CHLOROETHANE	UG/L	< 25
2-CHLOROETHYLVINYLEETHER	UG/L	< 10
CHLOROMETHANE	UG/L	< 25
1,2-DICHLOROPROPANE	UG/L	< 5.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 5.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5.0

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 55

01/01/92 - 06/30/92

BATCH 55

<u>JOBS IN BATCH</u>	<u>EPA METHOD</u>	<u>SAMPLE DATE</u>	<u>ANALYSIS DATE</u>
SJ35649	601/602	04/15/92	04/23/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 55

TEST	METHOD	BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	<	1.50	6.80	15.40	103.10	68.00	130.00
TRICHLOROETHYLENE	<	1.50	4.70	17.60	108.30	87.00	126.00
CHLOROBENZENE(HALL)	<	2.50	5.30	12.90	113.40	84.00	126.00
CHLOROBENZENE(PID)	<	2.50	0.90	9.30	110.90	89.00	117.00
BENZENE	<	1.50	1.10	7.40	106.40	93.00	119.00
TOLUENE	<	1.50	1.10	6.20	104.50	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

-----  
 WELL  
 P410  
 SJ35649  
 04/15/92  
 -----

VOLATILE ORGANIC COMPOUND  
 -----

CONSTITUENT/WELL NO.	UNITS	
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5
1,1-DICHLOROETHENE	UG/L	< 1.0
TRICHLOROETHYLENE	UG/L	23
TETRACHLOROETHYLENE	UG/L	2.0
BROMODICHLOROMETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0
BROMOFORM	UG/L	< 1.0
CHLOROBENZENE	UG/L	40
VINYL CHLORIDE	UG/L	76
O-DICHLOROBENZENE	UG/L	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	32
1,1,2-TRICHLOROETHANE	UG/L	< 0.5
1,2-DICHLOROETHANE	UG/L	120
BENZENE	UG/L	1.3
TOLUENE	UG/L	< 0.5
ETHYL BENZENE	UG/L	< 0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	5.5
BROMOMETHANE	UG/L	< 5.0
CHLOROETHANE	UG/L	< 5.0
2-CHLOROETHYL VINYL ETHER	UG/L	< 2.0
CHLOROMETHANE	UG/L	< 5.0
1,2 DICHLOROPROPANE	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0

-----

VOLATILE ORGANIC COMPOUND QA/QC BATCHES

01/01/92 - 06/30/92

BATCH 56

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38412	601/602	06/05/92	06/08/92

BATCH 56

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 1.80	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 0.80	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 1.20	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 1.20	0.00	9.30	109.40	89.00	117.00
BENZENE	< 0.80	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 0.80	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS



WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

---

CONSTITUENT/WELL NO.	UNITS	WELL M43A SJ38412 06/05/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	< 5.0
CHLOROFORM	UG/L	< 1.0
1,1,1-TRICHLOROETHANE	UG/L	< 1.0
CARBON TETRACHLORIDE	UG/L	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.5
TRICHLOROETHYLENE	UG/L	< 0.5
TETRACHLOROETHYLENE	UG/L	< 0.5
BROMODICHLOROMETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 1.0
BROMOFORM	UG/L	< 1.0
CHLOROBENZENE	UG/L	< 1.0
VINYL CHLORIDE	UG/L	< 1.0
O-DICHLOROBENZENE	UG/L	< 1.0
M-DICHLOROBENZENE	UG/L	< 1.0
P-DICHLOROBENZENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	< 0.5
1,1,2-TRICHLOROETHANE	UG/L	< 0.5
1,2-DICHLOROETHANE	UG/L	1.0
BENZENE	UG/L	< 0.5
TOLUENE	UG/L	< 0.5
ETHYL BENZENE	UG/L	< 0.5
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5
BROMOMETHANE	UG/L	< 5.0
CHLOROETHANE	UG/L	< 5.0
2-CHLOROETHYL VINYL ETHER	UG/L	< 2.0
CHLOROMETHANE	UG/L	< 5.0
1,2-DICHLOROPROPANE	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0

---

## VOLATILE ORGANIC COMPOUND QA/QC BATCHES

Page 57

01/01/92 - 06/30/92

BATCH 57

JOBS IN BATCH	EPA METHOD	SAMPLE DATE	ANALYSIS DATE
SJ38413	601/602	06/05/92	06/08/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 57

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 3.00	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 3.00	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 5.00	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 3.00	0.00	9.30	109.20	89.00	117.00
BENZENE	< 3.00	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 3.00	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

## COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

## WATER QUALITY MONITORING DATA

## PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M44A SJ38413 06/05/92
----------------------	-------	-------------------------------------

## VOLATILE ORGANIC COMPOUND

METHYLENE CHLORIDE	UG/L	< 20
CHLOROFORM	UG/L	< 5.0
1,1,1-TRICHLOROETHANE	UG/L	< 5.0
CARBON TETRACHLORIDE	UG/L	< 2.5
1,1-DICHLOROETHENE	UG/L	< 2.5
TRICHLOROETHYLENE	UG/L	94
TETRACHLOROETHYLENE	UG/L	2.7
BROMODICHLOROMETHANE	UG/L	< 5.0
DIBROMOCHLOROMETHANE	UG/L	< 5.0
BROMOFORM	UG/L	< 5.0
CHLOROBENZENE	UG/L	< 5.0
VINYL CHLORIDE	UG/L	23
O-DICHLOROBENZENE	UG/L	< 5.0
M-DICHLOROBENZENE	UG/L	< 5.0
P-DICHLOROBENZENE	UG/L	< 5.0
1,1-DICHLOROETHANE	UG/L	16
1,1,2-TRICHLOROETHANE	UG/L	< 2.5
1,2-DICHLOROETHANE	UG/L	380
BENZENE	UG/L	< 5.0
TOLUENE	UG/L	< 2.5
ETHYL BENZENE	UG/L	< 2.5
TRANS-1,2-DICHLOROETHYLEN	UG/L	10
BROMOMETHANE	UG/L	< 25
CHLOROETHANE	UG/L	< 25
2-CHLOROETHYLVINYLETHER	UG/L	< 10
CHLOROMETHANE	UG/L	< 25
1,2-DICHLOROPROPANE	UG/L	< 5.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 5.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5.0

01/01/92 - 06/30/92

BATCH 58

JOBS IN BATCH -----	EPA METHOD -----	SAMPLE DATE -----	ANALYSIS DATE -----
SJ38411	601/602	06/05/92	06/09/92

## QA/QA DATA FOR VOLATILE ORGANIC COMPOUNDS

PAGE 5

BATCH 58

TEST	METHOD BLANK(ug/l)	RELATIVE PERCENT DIFFERENCE	RPD LIMIT	PERCENT RECOVERY	LOWER RECOVERY LIMIT	UPPER RECOVERY LIMIT
1,1-DICHLOROETHENE	< 3.00	1.80	15.40	112.60	68.00	130.00
TRICHLOROETHYLENE	< 3.00	1.70	17.60	116.90	87.00	126.00
CHLOROBENZENE(HALL)	< 5.00	4.60	12.90	108.90	84.00	126.00
CHLOROBENZENE(PID)	< 5.00	0.00	9.30	109.40	89.00	117.00
BENZENE	< 3.00	0.00	7.40	109.20	93.00	119.00
TOLUENE	< 3.00	0.00	6.20	110.90	87.00	120.00

ASTERISK INDICATES EXCEEDANCE OF QA LIMITS

WATER QUALITY MONITORING DATA

PALOS VERDES LANDFILL

CONSTITUENT/WELL NO.	UNITS	WELL M53B SJ38411 06/05/92
<b>VOLATILE ORGANIC COMPOUND</b>		
METHYLENE CHLORIDE	UG/L	120
CHLOROFORM	UG/L	< 5.0
1,1,1-TRICHLOROETHANE	UG/L	< 5.0
CARBON TETRACHLORIDE	UG/L	< 2.5
1,1-DICHLOROETHENE	UG/L	< 2.5
TRICHLOROETHYLENE	UG/L	3.8
TETRACHLOROETHYLENE	UG/L	18
BROMODICHLOROMETHANE	UG/L	< 5.0
DIBROMOCHLOROMETHANE	UG/L	< 5.0
BROMOFORM	UG/L	< 5.0
CHLOROBENZENE	UG/L	< 5.0
VINYL CHLORIDE	UG/L	< 5.0
O-DICHLOROBENZENE	UG/L	< 5.0
M-DICHLOROBENZENE	UG/L	< 5.0
P-DICHLOROBENZENE	UG/L	< 5.0
1,1-DICHLOROETHANE	UG/L	17
1,1,2-TRICHLOROETHANE	UG/L	< 2.5
1,2-DICHLOROETHANE	UG/L	< 2.5
BENZENE	UG/L	8.0
TOLUENE	UG/L	48
ETHYL BENZENE	UG/L	12
TRANS-1,2-DICHLOROETHYLENE	UG/L	3.2
BROMOMETHANE	UG/L	< 25
CHLOROETHANE	UG/L	< 25
2-CHLOROETHYL VINYLETHYL ETHER	UG/L	< 10
CHLOROMETHANE	UG/L	< 25
1,2-DICHLOROPROPANE	UG/L	< 5.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 5.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 5.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 5.0

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 1  
 Method Blank Result 0.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ44786	M06A	METHYLENE CHLORIDE	921002	31.00 UG/L
SJ44787	M06B	METHYLENE CHLORIDE	921002	81.00 UG/L
SJ44788	M07A	METHYLENE CHLORIDE	921002	45.00 UG/L
SJ44789	M45A	METHYLENE CHLORIDE	921002	6.80 UG/L
SJ44790	M45A	METHYLENE CHLORIDE	921002	6.90 UG/L
SJ44791	TRIP	METHYLENE CHLORIDE	921002	< 1.00 UG/L
SJ44793	----	METHYLENE CHLORIDE	921001	240.00 UG/L
SJ44794	P4	METHYLENE CHLORIDE	921001	18.00 UG/L
SJ44795	TRIP	METHYLENE CHLORIDE	921002	< 1.00 UG/L

Batch No. 2  
 Method Blank Result 0.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ44901	PV3	METHYLENE CHLORIDE	921005	18.00 UG/L
SJ44902	M23A	METHYLENE CHLORIDE	921005	7.00 UG/L
SJ44903	M48A	METHYLENE CHLORIDE	921005	< 1.00 UG/L
SJ44904	M49A	METHYLENE CHLORIDE	921005	6.90 UG/L
SJ44905	----	METHYLENE CHLORIDE	921005	< 1.00 UG/L
SJ44906	TRIP	METHYLENE CHLORIDE	921005	< 1.00 UG/L

Batch No. 3  
 Method Blank Result 0.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ44954	P4-6	METHYLENE CHLORIDE	921006	45.00 UG/L
SJ44955	P410	METHYLENE CHLORIDE	921006	6.40 UG/L
SJ44956	M46A	METHYLENE CHLORIDE	921006	8.10 UG/L
SJ44957	M47B	METHYLENE CHLORIDE	921006	< 1.00 UG/L



QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 3  
 Method Blank Result 0.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ44958	----	METHYLENE CHLORIDE	921006	< 1.00 UG/L
SJ44959	TRIP	METHYLENE CHLORIDE	921006	< 1.00 UG/L

Batch No. 4  
 Method Blank Result 0.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ45021	M24A	METHYLENE CHLORIDE	921007	< 5.00 UG/L
SJ45022	M25A	METHYLENE CHLORIDE	921007	< 1.00 UG/L
SJ45023	M26A	METHYLENE CHLORIDE	921007	< 1.00 UG/L
SJ45024	M24A	METHYLENE CHLORIDE	921007	16.00 UG/L
SJ45025	S7	METHYLENE CHLORIDE	921007	17.00 UG/L
SJ45026	TRIP	METHYLENE CHLORIDE	921007	< 1.00 UG/L

Batch No. 5  
 Method Blank Result 1.80 UG/L CHLOROFORM

Sample Number	Well	Test Name	Sample Date	Test Result
SJ46997	M56B	CHLOROFORM	921111	< 1.00 UG/L
SJ46998	M57B	CHLOROFORM	921111	< 1.00 UG/L
SJ46999	M58B	CHLOROFORM	921111	< 2.00 UG/L
SJ47000	----	CHLOROFORM	921111	< 1.00 UG/L
SJ47001	S7	CHLOROFORM	921111	14.00 UG/L
SJ47002	TRIP	CHLOROFORM	921111	< 1.00 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 6  
 Method Blank Result 1.70 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ47665	M53B	METHYLENE CHLORIDE	921120	99.00 UG/L

Batch No. 7  
 Method Blank Result 3.30 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70053	M07A	METHYLENE CHLORIDE	940103	26.00 UG/L
SJ70054	----	METHYLENE CHLORIDE	940103	2.40 UG/L
SJ70055	PV3	METHYLENE CHLORIDE	940103	28.40 UG/L
SJ70056	PV3	METHYLENE CHLORIDE	940103	5.80 UG/L
SJ70057	M06B	METHYLENE CHLORIDE	940103	53.00 UG/L
SJ70058	TRIP	METHYLENE CHLORIDE	940103	2.40 UG/L

Batch No. 8  
 Method Blank Result 0.60 UG/L 1,1,1-TRICHLOROETHANE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70053	M07A	1,1,1-TRICHLOROETHANE	940103	8.00 UG/L
SJ70054	----	1,1,1-TRICHLOROETHANE	940103	0.50 UG/L
SJ70055	PV3	1,1,1-TRICHLOROETHANE	940103	1.10 UG/L
SJ70056	PV3	1,1,1-TRICHLOROETHANE	940103	1.70 UG/L
SJ70057	M06B	1,1,1-TRICHLOROETHANE	940103	20.00 UG/L
SJ70058	TRIP	1,1,1-TRICHLOROETHANE	940103	1.10 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 9  
 Method Blank Result 0.50 UG/L TOLUENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70053	M07A	TOLUENE	940103	22.00 UG/L
SJ70054	----	TOLUENE	940103	1.80 UG/L
SJ70055	PV3	TOLUENE	940103	1.50 UG/L
SJ70056	PV3	TOLUENE	940103	4.00 UG/L
SJ70057	M06B	TOLUENE	940103	54.00 UG/L
SJ70058	TRIP	TOLUENE	940103	2.00 UG/L

Batch No. 10  
 Method Blank Result 2.20 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70159	P4	METHYLENE CHLORIDE	940103	40.00 UG/L
SJ70161	----	METHYLENE CHLORIDE	940103	450.00 UG/L
SJ70162	TRIP	METHYLENE CHLORIDE	940104	9.50 UG/L

Batch No. 11  
 Method Blank Result 0.80 UG/L TOLUENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70159	P4	TOLUENE	940103	3.60 UG/L
SJ70161	----	TOLUENE	940103	36.00 UG/L
SJ70162	TRIP	TOLUENE	940104	0.40 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 12  
 Method Blank Result 0.80 UG/L O-XYLENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70159	P4	O-XYLENE	940103	2.70 UG/L
SJ70161	----	O-XYLENE	940103	< 25.00 UG/L
SJ70162	TRIP	O-XYLENE	940104	< 0.50 UG/L

Batch No. 13  
 Method Blank Result 1.10 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70634	M69B	METHYLENE CHLORIDE	940112	1.60 UG/L
SJ70635	M63B	METHYLENE CHLORIDE	940112	3.20 UG/L
SJ70636	M68B	METHYLENE CHLORIDE	940112	< 1.00 UG/L
SJ70637	M67B	METHYLENE CHLORIDE	940113	< 1.00 UG/L
SJ70638	TRIP	METHYLENE CHLORIDE	940112	< 1.00 UG/L
SJ70639	AHCP	METHYLENE CHLORIDE	940112	< 1.00 UG/L

Batch No. 14  
 Method Blank Result 1.00 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70704	M23A	METHYLENE CHLORIDE	940114	3.60 UG/L
SJ70705	M24A	METHYLENE CHLORIDE	940114	2.30 UG/L
SJ70706	M24A	METHYLENE CHLORIDE	940114	2.40 UG/L
SJ70707	M25A	METHYLENE CHLORIDE	940114	< 1.00 UG/L
SJ70708	M26A	METHYLENE CHLORIDE	940114	< 1.00 UG/L
SJ70709	TRIP	METHYLENE CHLORIDE	940114	< 1.00 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 15  
 Method Blank Result 3.80 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ71438	M51B	METHYLENE CHLORIDE	940201	2.00 UG/L
SJ71439	M51B	METHYLENE CHLORIDE	940201	1.90 UG/L
SJ71440	M54B	METHYLENE CHLORIDE	940201	2.00 UG/L
SJ71441	M55B	METHYLENE CHLORIDE	940201	1.90 UG/L
SJ71442	TRIP	METHYLENE CHLORIDE	940201	2.00 UG/L

Batch No. 16  
 Method Blank Result 7.90 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ71480	P4	METHYLENE CHLORIDE	940202	48.00 UG/L
SJ71481	TRIP	METHYLENE CHLORIDE	940202	2.60 UG/L
SJ71495	M50B	METHYLENE CHLORIDE	940202	5.10 UG/L
SJ71496	M53B	METHYLENE CHLORIDE	940202	78.00 UG/L
SJ71497	M62B	METHYLENE CHLORIDE	940202	4.30 UG/L
SJ71498	----	METHYLENE CHLORIDE	940202	5.90 UG/L
SJ71499	TRIP	METHYLENE CHLORIDE	940202	6.60 UG/L

Batch No. 17  
 Method Blank Result 0.40 UG/L TOLUENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ71480	P4	TOLUENE	940202	2.20 UG/L
SJ71481	TRIP	TOLUENE	940202	0.30 UG/L
SJ71495	M50B	TOLUENE	940202	0.40 UG/L
SJ71496	M53B	TOLUENE	940202	73.00 UG/L
SJ71497	M62B	TOLUENE	940202	0.90 UG/L
SJ71498	----	TOLUENE	940202	< 0.30 UG/L
SJ71499	TRIP	TOLUENE	940202	< 0.30 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 18  
 Method Blank Result 5.80 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ72817	M44A	METHYLENE CHLORIDE	940301	35.00 UG/L
SJ72818	M30B	METHYLENE CHLORIDE	940301	4.20 UG/L
SJ72819	----	METHYLENE CHLORIDE	940301	4.60 UG/L
SJ72820	----	METHYLENE CHLORIDE	940301	4.30 UG/L

Batch No. 19  
 Method Blank Result 2.90 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ72885	M36A	METHYLENE CHLORIDE	940302	2.90 UG/L
SJ72886	M37A	METHYLENE CHLORIDE	940302	4.60 UG/L
SJ72887	----	METHYLENE CHLORIDE	940302	6.20 UG/L

Batch No. 20  
 Method Blank Result 1.80 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ72888	S7	METHYLENE CHLORIDE	940302	6.50 UG/L
SJ72889	TRIP	METHYLENE CHLORIDE	940302	1.30 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 21  
 Method Blank Result 0.30 UG/L TOLUENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ72888	S7	TOLUENE	940302	13.00 UG/L
SJ72889	TRIP	TOLUENE	940302	0.30 UG/L

Batch No. 22  
 Method Blank Result 1.10 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ73338	P4	METHYLENE CHLORIDE	940311	10.00 UG/L
SJ73339	TRIP	METHYLENE CHLORIDE	940311	< 1.00 UG/L

Batch No. 23  
 Method Blank Result 2.10 UG/L BROMOFORM

Sample Number	Well	Test Name	Sample Date	Test Result
SJ73338	P4	BROMOFORM	940311	18.00 UG/L
SJ73339	TRIP	BROMOFORM	940311	< 0.50 UG/L

Batch No. 24  
 Method Blank Result 1.30 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ74668	M49A	METHYLENE CHLORIDE	940407	5.80 UG/L
SJ74669	M26A	METHYLENE CHLORIDE	940407	1.50 UG/L
SJ74670	M45A	METHYLENE CHLORIDE	940407	6.20 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 24  
 Method Blank Result 1.30 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ74671	----	METHYLENE CHLORIDE	940407	1.40 UG/L
SJ74672	TRIP	METHYLENE CHLORIDE	940407	2.20 UG/L

Batch No. 25  
 Method Blank Result 3.30 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ74844	P4	METHYLENE CHLORIDE	940411	10.00 UG/L

Batch No. 26  
 Method Blank Result 19.00 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ75799	M56B	METHYLENE CHLORIDE	940504	0.00 UG/L
SJ75800	M58B	METHYLENE CHLORIDE	940504	0.00 UG/L
SJ75801	M59B	METHYLENE CHLORIDE	940504	0.00 UG/L
SJ75802	M60B	METHYLENE CHLORIDE	940504	0.00 UG/L
SJ75803	----	METHYLENE CHLORIDE	940504	2.50 UG/L
SJ75804	TRIP	METHYLENE CHLORIDE	940504	0.00 UG/L



QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 27  
 Method Blank Result 1.40 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ76074	L2	METHYLENE CHLORIDE	940510	29.00 UG/L
SJ76075	L3	METHYLENE CHLORIDE	940510	1.10 UG/L
SJ76076	L4	METHYLENE CHLORIDE	940510	< 1.00 UG/L

Batch No. 28  
 Method Blank Result 0.50 UG/L TOLUENE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ76074	L2	TOLUENE	940510	20.00 UG/L
SJ76075	L3	TOLUENE	940510	0.50 UG/L
SJ76076	L4	TOLUENE	940510	0.70 UG/L

Batch No. 29  
 Method Blank Result 2.60 UG/L METHYLENE CHLORIDE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ77194	M30B	METHYLENE CHLORIDE	940603	2.70 UG/L
SJ77195	M69B	METHYLENE CHLORIDE	940603	6.80 UG/L
SJ77196	M69B	METHYLENE CHLORIDE	940603	7.90 UG/L
SJ77197	M70B	METHYLENE CHLORIDE	940603	20.00 UG/L
SJ77198	TRIP	METHYLENE CHLORIDE	940603	7.50 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 30  
 Method Blank Result 1.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ40008	M25A	PHENOL	920707	< 6.00 UG/L
SJ40009	M25A	PHENOL	920707	2.00 UG/L
SJ40010	M26A	PHENOL	920707	1.00 UG/L

Batch No. 31  
 Method Blank Result 1.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ40093	M45A	PHENOL	920708	< 3.00 UG/L
SJ40094	M47B	PHENOL	920708	< 30.00 UG/L
SJ40095	M46A	PHENOL	920708	2.00 UG/L
SJ40096	----	PHENOL	920708	1.00 UG/L

Batch No. 32  
 Method Blank Result 1.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ40161	M07A	PHENOL	920709	3.00 UG/L
SJ40162	M06A	PHENOL	920709	< 30.00 UG/L
SJ40163	M06B	PHENOL	920709	< 30.00 UG/L
SJ40164	----	PHENOL	920709	1.00 UG/L
SJ40165	PV3	PHENOL	920709	< 3.00 UG/L
SJ40224	P4	PHENOL	920710	8.00 UG/L
SJ40226	----	PHENOL	920710	< 30.00 UG/L
SJ40227	P4-6	PHENOL	920710	< 3.00 UG/L
SJ40228	P410	PHENOL	920710	2.00 UG/L
SJ40229	M49A	PHENOL	920710	1.00 UG/L
SJ40230	M49A	PHENOL	920710	1.00 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 33  
 Method Blank Result 1.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ40271	M23A	PHENOL	920713	< 30.00 UG/L
SJ40272	M24A	PHENOL	920713	1.00 UG/L
SJ40273	M48A	PHENOL	920713	4.00 UG/L

Batch No. 34  
 Method Blank Result 1.00 UG/L DIETHYLHEXYL PHTHALATE

Sample Number	Well	Test Name	Sample Date	Test Result
SJ70053	M07A	DIETHYLHEXYL PHTHALATE	940103	21.00 UG/L
SJ70054	----	DIETHYLHEXYL PHTHALATE	940103	1.00 UG/L
SJ70055	PV3	DIETHYLHEXYL PHTHALATE	940103	6.00 UG/L
SJ70056	PV3	DIETHYLHEXYL PHTHALATE	940103	5.00 UG/L
SJ70057	M06B	DIETHYLHEXYL PHTHALATE	940103	6.00 UG/L
SJ70159	P4	DIETHYLHEXYL PHTHALATE	940103	5.00 UG/L
SJ70161	----	DIETHYLHEXYL PHTHALATE	940103	< 1000*0 UG/L
SJ70232	M47B	DIETHYLHEXYL PHTHALATE	940105	< 10.00 UG/L

Batch No. 35  
 Method Blank Result 2.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ71480	P4	PHENOL	940202	< 30.00 UG/L
SJ71495	M50B	PHENOL	940202	< 30.00 UG/L
SJ71496	M53B	PHENOL	940202	< 30.00 UG/L
SJ71497	M62B	PHENOL	940202	< 30.00 UG/L
SJ71498	----	PHENOL	940202	< 3.00 UG/L
SJ71567	M52B	PHENOL	940203	< 30.00 UG/L
SJ71568	M57B	PHENOL	940203	< 30.00 UG/L
SJ71569	M59B	PHENOL	940203	< 30.00 UG/L

QA/QC DATA FOR WELL SAMPLES W/METHOD BLANK DETECTIONS

PALOS VERDES LANDFILL - REMEDIAL INVESTIGATION REPORT

Batch No. 35  
 Method Blank Result 2.00 UG/L PHENOL

Sample Number	Well	Test Name	Sample Date	Test Result
SJ71570	----	PHENOL	940203	< 3.00 UG/L
SJ71633	M56B	PHENOL	940204	< 30.00 UG/L
SJ71634	M58B	PHENOL	940204	< 30.00 UG/L
SJ71635	M56B	PHENOL	940204	< 30.00 UG/L
SJ71636	M60B	PHENOL	940204	< 30.00 UG/L
SJ71637	M61B	PHENOL	940204	< 30.00 UG/L

## QA/QC RESULTS FOR SPECIFIC SAMPLES

Attached are the VOC QA/QC results for the first ground water samples collected from monitoring wells M68B and M67B (samples SJ70636 and SJ70637, respectively). These samples were collected on January 12, 1994.

PVLF Well Samples

Sample Date - January 12, 1994

Constituent	Test Code	Results			Check Standard		QA Data			
		SJ 70636	SJ 70637	Blank	Results	EPA Limits	RPD	Limits	Recov.	Limits
Methylene Chloride	601	<1.0	<1.0	<1.0	102.9	25 - 162				
Chloroform	602	<0.5	<0.5	<0.5	91.9	49 - 133				
1,1,1-Trichloroethane	603	<0.5	<0.5	<0.5	98.3	41 - 138				
Carbontetrachloride	604	<0.3	<0.3	<0.3	90.4	43 - 143				
1,1-Dichloroethene	605	<0.3	<0.3	<0.3	95.7	28 - 167	3.8	16	100	78 - 132
Trichloroethane	606	0.8	1.3	<0.3	90.1	35 - 146	4.3	17.5	102	87 - 126
Tetrachloroethylene	607	1.2	2.1	<0.3	102.9	NA				
Bromodichloromethane	608	<0.5	<0.5	<0.5	105.3	42 - 122				
Dibromochloromethane	609	<0.5	<0.5	<0.5	95.9	24 - 191				
Bromoform	610	<0.5	<0.5	<0.5	102.4	13 - 159				
Chlorobenzene	611	<0.5	<0.5	<0.5	91.2	38 - 150	1	12.5	110	84 - 125
Vinyl Chloride	612	<0.5	<0.5	<0.5	91.7	28 - 163				
o-Dichlorobenzene	613	<0.5	<0.5	<0.5	97.5	D - 208				
m-Dichlorobenzene	614	<0.5	<0.5	<0.5	94.6	7 - 187				
p-Dichlorobenzene	615	<0.5	<0.5	<0.5	91.9	42 - 143				
1,1-Dichloroethane	616	<0.3	<0.3	<0.3	108	47 - 132				
1,1,2-Trichloroethane	618	<0.3	<0.3	<0.3	92.5	39 - 136				
1,2-Dichloroethane	619	<0.3	<0.3	<0.3	105.2	51 - 147				
Benzene	620	83	73	<0.3	100.6	39 - 150	0.4	7.5	103	93 - 119
Toluene	621	<0.3	<0.3	<0.3	99.7	46 - 148	1.2	6.2	106	61 - 120
Ethylbenzene	624	<0.3	<0.3	<0.3	103.6	37 - 160				
o-Xylene	629	<0.5	<0.5	<0.5	95.7	NA				
trans-1,2-Dichloroethylene	645	<0.3	<0.3	<0.3	103.6	38 - 155				
Bromomethane	646	<2.5	<2.5	<2.5	83.7	D - 144				
Chloroethane	647	<2.5	<2.5	<2.5	97.1	46 - 137				
2-Chloroethylvinylether	648	<1.0	<1.0	<1.0	99.8	14 - 186				
Chloromethane	649	<2.5	<2.5	<2.5	127.9	D - 193				
1,2-Dichloropropane	650	<0.5	<0.5	<0.5	94.3	44 - 156				
cis-1,3-Dichloropropene	651	<0.5	<0.5	<0.5	101.7	22 - 178				
trans-1,3-Dichloropropene	652	<0.5	<0.5	<0.5	100.4	22 - 178				
1,1,2,2-Tetrachloroethene	653	<0.5	<0.5	<0.5	106.1	8 - 184				
cis-1,2-Dichloroethylene	677	<0.3	<0.3	<0.3	92.4	NA				
P&M Xylenes	695	<0.5	<0.5	<0.5	NA	NA				

PVLF Well Samples

Sample Date - January 12, 1994

		Calibration Check							
		Result	Limits						
Methylene Chloride	601	93.9	25 - 162						
Chloroform	602	92.3	49 - 133						
1,1,1-Trichloroethane	603	101.8	41 - 138						
Carbontetrachloride	604	91.2	43 - 143						
1,1-Dichloroethene	605	99.5	28 - 167						
Trichloroethane	606	91.6	35 - 146						
Tetrachloroethylene	607		NA						
Bromodichloromethane	608	102.1	42 - 122						
Dibromochloromethane	609	93.3	24 - 191						
Bromoform	610	100.9	13 - 159						
Chlorobenzene	611	92.6	38 - 150						
Vinyl Chloride	612	104.3	28 - 163						
o-Dichlorobenzene	613	97.8	D - 208						
m-Dichlorobenzene	614	96.1	7 - 187						
p-Dichlorobenzene	615	94.7	42 - 143						
1,1-Dichloroethane	616	105.6	47 - 132						
1,1,2-Trichloroethane	618	104.8	39 - 136						
1,2-Dichloroethane	619	102.7	51 - 147						
Benzene	620	108.2	39 - 150						
Toluene	621	98.5	46 - 148						
Ethylbenzene	624	102	37 - 160						
o-Xylene	629	94.8	NA						
trans-1,2-Dichloroethylene	645	104.8	38 - 155						
Bromomethane	646	97.6	D - 144						
Chloroethane	647	99.3	46 - 137						
2-Chloroethylvinylether	648	97.4	14 - 186						
Chloromethane	649	107.2	D - 193						
1,2-Dichloropropane	650	96.4	44 - 156						
cis-1,3-Dichloropropene	651	98.1	22 - 178						
trans-1,3-Dichloropropene	652	96.2	22 - 178						
1,1,2,2-Tetrachloroethene	653	102.3	8 - 184						
cis-1,2-Dichloroethylene	677	100.5	NA						
P&M Xylenes	695	NA	NA						