Cccidental Chemical Corporation

V٧

2

5

1995 MONITORING REPORT

Love Canal Occidental Chemical Corporation Niagara Falls, New York

PRINTED ON

MAR 1 9 1996

Cccidental Chemical Corporation

1995 MONITORING REPORT

Love Canal Occidental Chemical Corporation Niagara Falls, New York

MARCH 1996 REF. NO. 6440 (3) This report is printed on recycled paper.

الم والمستعد

CONESTOGA-ROVERS & ASSOCIATES

TABLE OF CONTENTS

LIST OF FIGURES

Following Report

Page

- FIGURE 1.1 1995 GROUNDWATER SAMPLE COLLECTION PROGRAM
- FIGURE 1.2 JUNE 1995 FLOW DIAGRAM - 1140 SERIES PIEZOMETERS
- FIGURE 1.3 JUNE 1995 FLOW DIAGRAM - 1150 SERIES PIEZOMETERS
- FIGURE 1.4 JUNE 1995 FLOW DIAGRAM - 1160 SERIES PIEZOMETERS
- FIGURE 1.5 JUNE 1995 FLOW DIAGRAM - 1170 SERIES PIEZOMETERS
- FIGURE 1.6 JUNE 1995 FLOW DIAGRAM - 1180 SERIES PIEZOMETERS
- FIGURE 1.7 JUNE 1995 FLOW DIAGRAM - 1190 SERIES PIEZOMETERS

LIST OF TABLES

TABLE 1.1SUMMARY OF DETECTED PARAMETERS1995 LONG-TERM MONITORING

LIST OF APPENDICES

- APPENDIX A CHEMICAL RESULTS
- APPENDIX B WATER LEVEL MEASUREMENTS

¢

1.0 INTRODUCTION

Operation of the Love Canal Site (Site) was transferred from the New York State Department of Environmental Conservation (NYSDEC) to Occidental Chemical Corporation (OxyChem) in April, 1995. This report is the first annual report prepared by OxyChem and covers the activities for 1995.

Activities at the Site included:

- i) operation of the barrier drain and treatment system; and
- ii) hydraulic and chemical monitoring (Long-Term Monitoring).

There were no major problems, repairs, or changes, other than the normal maintenance, in the operation of the system. No carbon change-outs were performed by OxyChem. The total volume of groundwater from the Site treated at the Love Canal Leachate Treatment Facility was 3,292,000 gallons which is equal to an average monthly volume of 274,340 gallons.

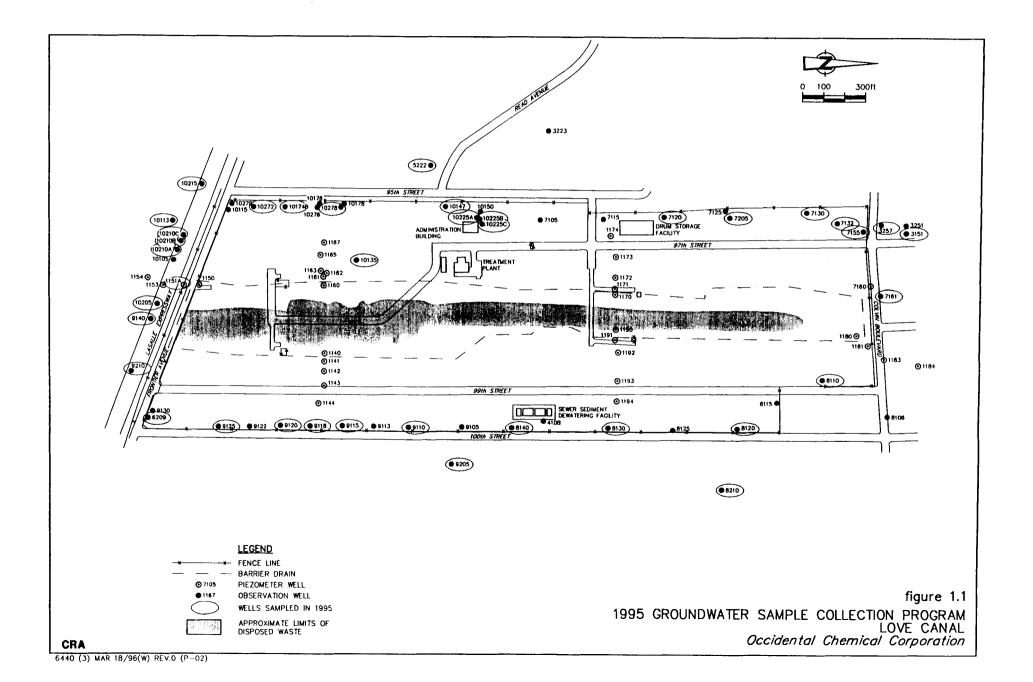
The 1995 chemical sampling event was performed over a 5-week period from May 1 to June 1, 1995 in which 38 wells were sampled and analyzed for Site-specific parameter. Figure 1.1 shows the wells sampled and Table 1.1 presents a summary of the number and location of detected compounds. The chemical results are presented in Appendix A.

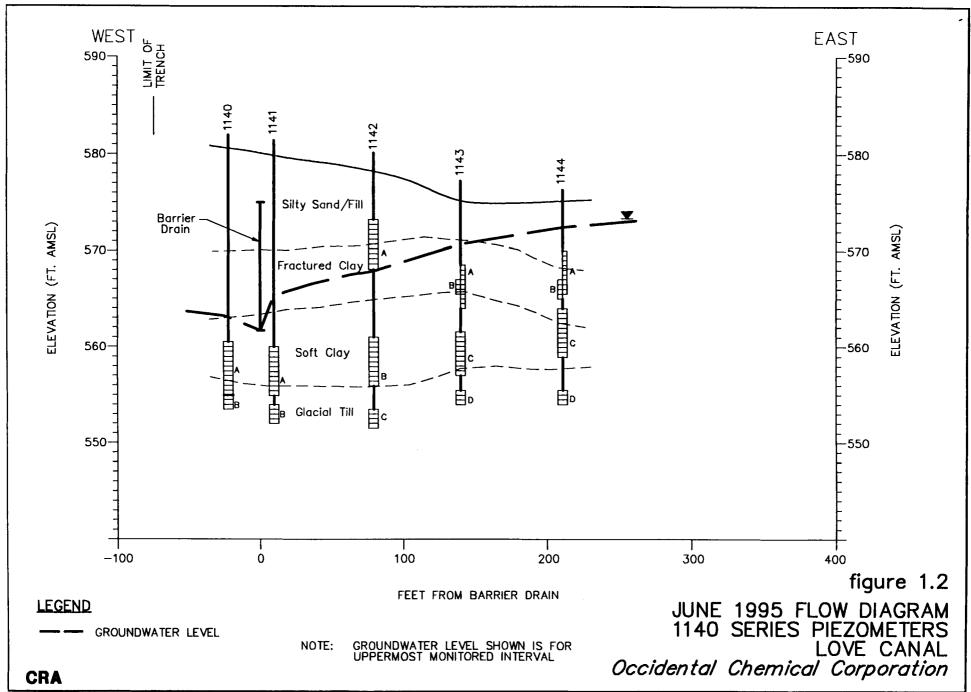
Water levels were measured at six nested piezometer strings in April, June, November, and December 1995. Figures 1.2 to 1.7 show the overburden groundwater flow conditions for June 1995 along the six piezometer strings. The water levels are presented in Appendix B.

The 1995 groundwater levels showed that groundwater gradients were towards the barrier drain. Therefore, the barrier drain is pulling in groundwater from outside the drain and successfully capturing horizontal groundwater flow from the Site. Similar to previous Long-Term Monitoring events which were performed by the NYSDEC, there was minimal detection of chemicals in the wells sampled in 1995. Chemicals that were detected were at low levels, do not indicate a failure in the barrier drain, and do not pose an immediate threat to groundwater quality. The 1995 chemical analytical results are consistent with previous Long-Term Monitoring analytical results. Therefore, the 1995 results showed no significant change in chemical and hydrological conditions at the Site. The barrier drain is successfully capturing leachate from the Site, and preventing off-Site migration of chemicals. The remediation system is functioning as designed.

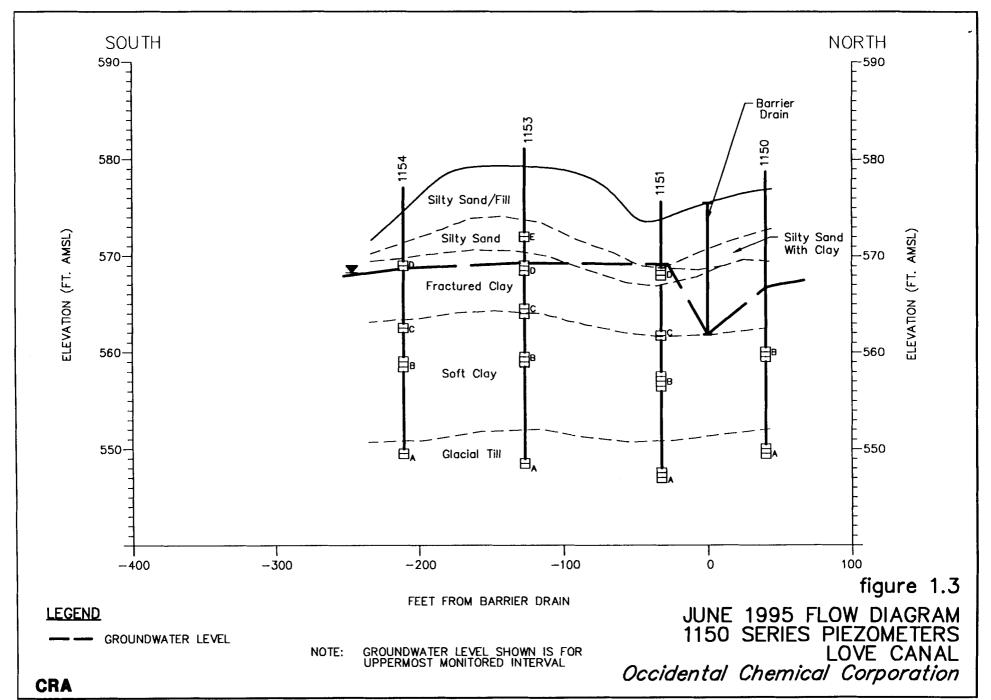
١,

٠



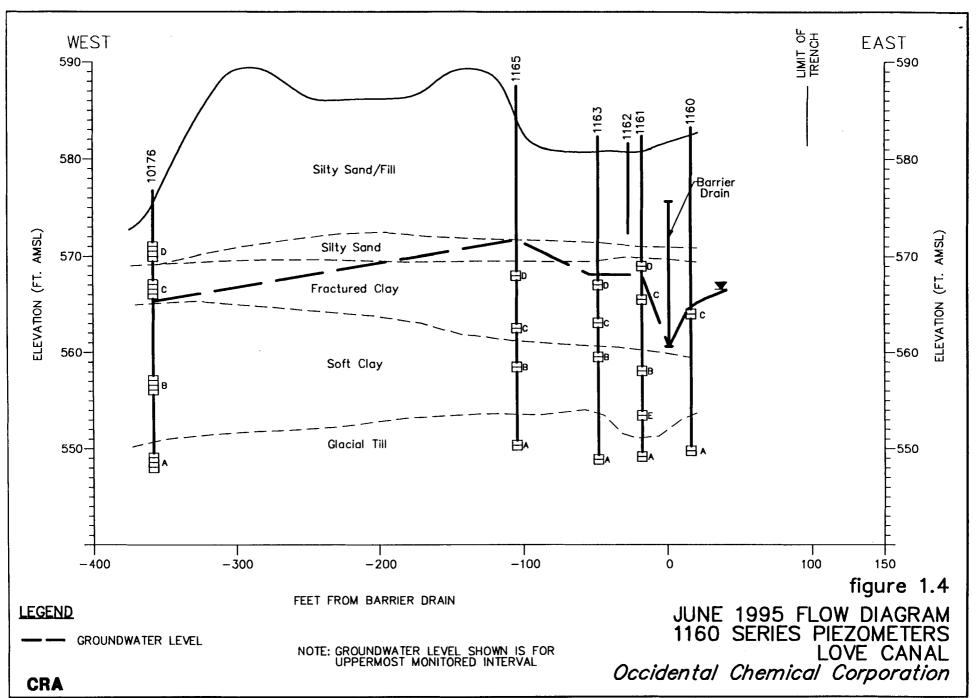


6440 (3) MAR 18/96(W) REV.0 (X-07)

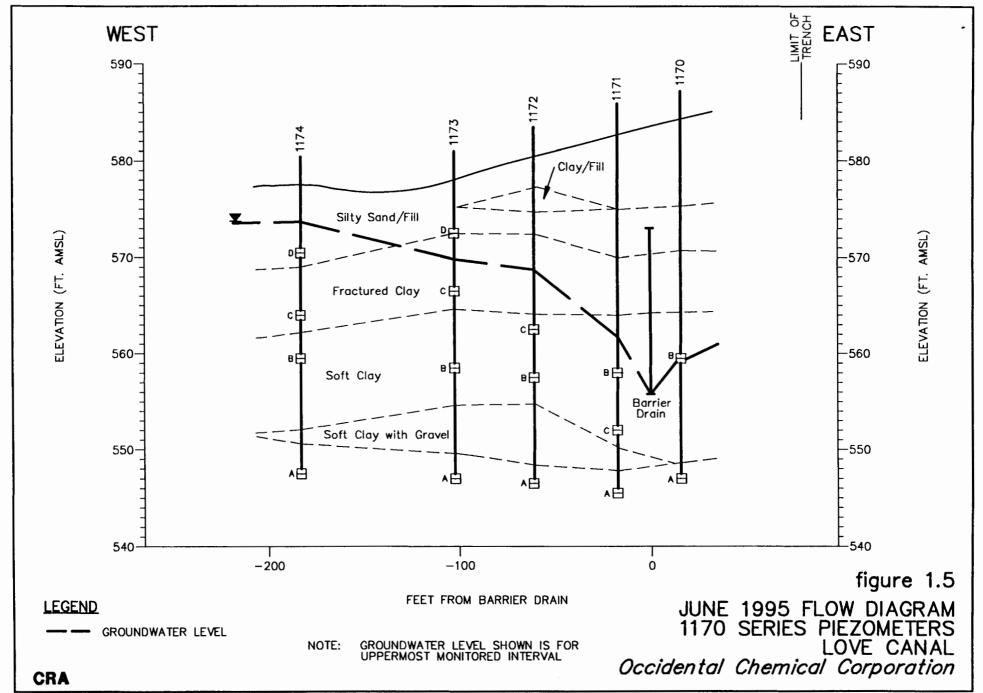


٠

6440 (3) MAR 18/96(W) REV.0 (X-08)

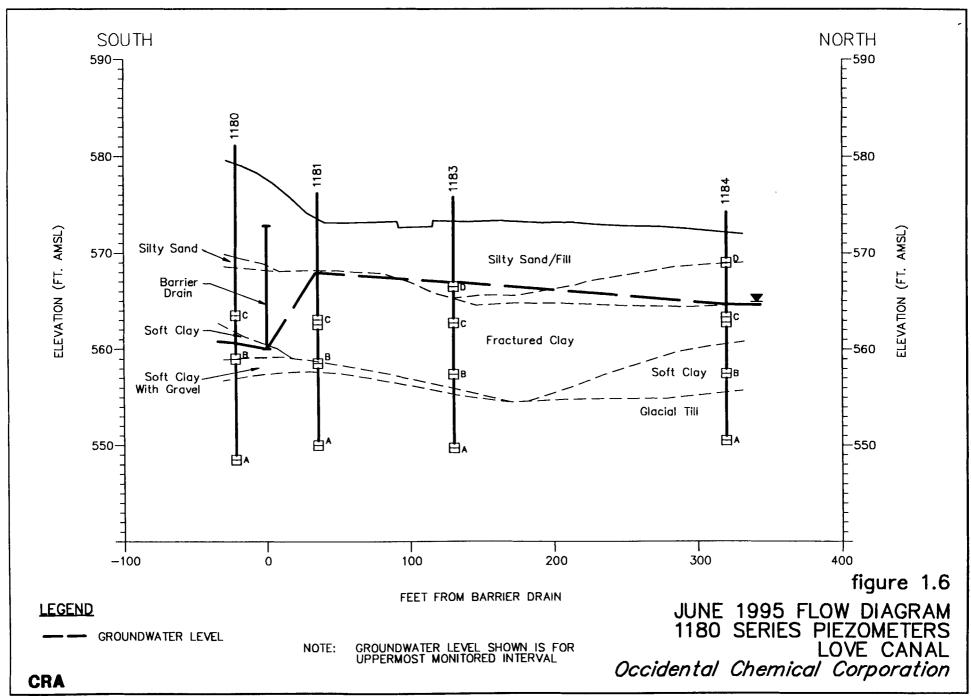


6440 (1) MAR 18/96(W) REV.0 (X-09)

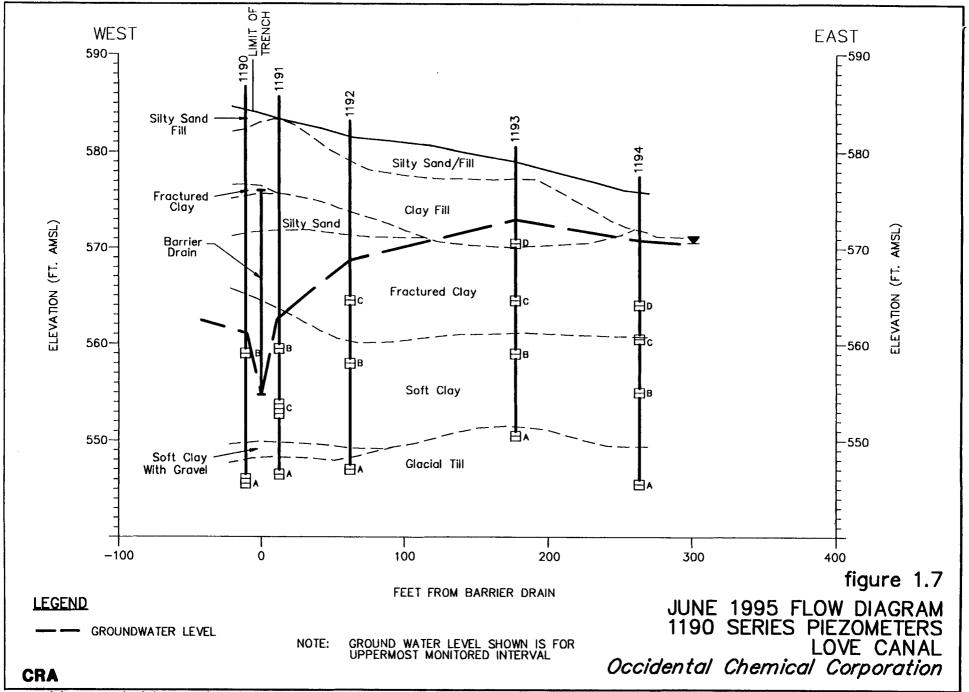


٠

6440 (3) MAR 18/96(W) REV.0 (X-10)



6440 (3) MAR 18/96(W) REV.0 (X-11)



6440 (3) MAR 18/96(W) REV.0 (X-12)

TABLE 1.1

SUMMARY OF DETECTED PARAMETERS 1995 LONG-TERM MONITORING LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

	VOCs	SVOCs	Pesticides/PCBs
Overburden Wells			
3151	ND	1	ND
7120	ND	ND	ND
7130	ND	1	ND
7132	ND	ND	ND
7155	ND	1	ND
7161	ND	ND	ND
8110	ND	ND	ND
8120	ND	ND	ND
8130	ND	1	ND
8140	ND	1	ND
9110	ND	ND	ND
9115	ND/ND	1	ND/ND
9118	ND	1	ND
9120	ND	ND	ND
9125	ND	ND	ND
9140	ND	ND	ND
10113	ND	ND	ND
10135	9	5	3
10147	ND	ND	ND
10174B	ND	ND	ND
1151A	ND	1	1
Bedrock Wells			
3257	ND/ND	1/1	ND/ND
5222	ND	1	1
6209	ND/ND	1/1	ND/ND
7205	ND	1	ND
8210	ND	ND	ND
9205	ND	1	ND
9210	ND	ND	ND
10205	ND	1	ND
10210A	1	1	ND
10210B	1	ND	ND
10210C	ND	2	ND
10215	ND	1	ND
10225A	1	ND	ND
10225B	ND/ND	ND/ND	ND
10225C	ND	ND	ND
10272	ND	1	ND
10278	ND	ND	ND
Total # of Detections	12	24	5

Notes:

9 - Number of parameters detected.
1/1 - Duplicate analyses.
ND - No parameters detected at or above detection limits.

•

4

APPENDIX A

CHEMICAL RESULTS

•

٠

					TABLE A.1	_					Pa	Page 1 of 16
				ANALYT LONG -TER OCCIDENTA	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	S SUMMARY ING PROGRA CORPORATI	M					
Sample ID:	7120	7130	7132	7155	7205	8210	9205	3257	12010 Dup. of 3257	3151	7161	5222
Collection Date:	05/01/95	05/01/95	05/01/95	05/01/95	05/02/95	05/02/95	05/02/95	05/03/95	05/03/95	05/03/95	05/03/95	05/04/95
Volatiles (µg/L)												
Chloromethane Bromomethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10					ND 10
Vinyl Chloride	ND 10	ND 10	ND 10	ND 10		01 UN	01 UN	01 UN		01 UN	01 UN	
Chloroethane	ND 10	ND 10	ND 10	ND 10								ND 10
Methylene Chloride	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acetone	ND 10	ND 10	ND 10	ND 10					ND 10			ND 10
Carbon Disulfide		ND 10	ND 10	ND 10					ND 10			ND 10
1,1-Dichloroethene				ND 10		ND 10		ND 10	ND 10			ND 10
1,1-Dichloroethene (fotal)										01 UN		ND 10
Chloroform	ND 10											
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
2-Butanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon Tetrachloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane			01 UN	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
1,2-Dichloropropane cis-1 3-Dichloropropane										ND 10		ND 10
Trichloroethene	ND 10			01 UN		01 UN	01 UN					
Dibromochloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		
1,1,2-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
Benzene	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10			
Trans-1,3-Dichloropropene			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
bromororm 4-Methyl-2-nentanone												01 UN
2-Hexanone												
Tetrachloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		
1,1,2,2-Tetrachloroethane	ND 10	ND 10		ND 10			ND 10	ND 10	ND 10			ND 10
Toluene	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	ND 10	ND 10	ND 10	ND 10			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Styrene	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	
Vinyl Acetate	ND 10	ND 10	ND 10	ND 10								
2-Chloroethylvinylether	01 UN	01 UN	01 UN	01 CN	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	ND 10	ND 10

۰

					I APLE A.	-					8	1 age 2 01 10
				ANALYT LONG - TER OCCIDENTA	ICAL RESULTS M MONITORIN L CHEMICAL C LOVE CANAL MAY 1995	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995 MAY 1995	W					
Sample ID:	7120	7130	7132	7155	7205	8210	9205	3257	12010 Dun of 3257	3151	7161	5222
Collection Date:	05/01/95	05/01/95	05/01/95	05/01/95	05/02/95	05/02/95	05/02/95	05/03/95	05/03/95	05/03/95	05/03/95	05/04/95
Semi-Volatiles (µg/L)												
Phenol	ND 10	ND 10		ND 10								
bis(2-Chloroethyl)ether	ND 10											
2-CNorophenol 1.2-Dichlorohenzene	01 UN 01 UN											
1.4-Dichlorobenzene	01 ON			ND 10								
1,2-Dichlorobenzene												
2-Methylphenol								11 UN				
2,2'-oxybis(1-Chloropropane)												
4-Methylphenol	01 UN									01 ON		
Hexachloroethane												
Nitrobenzene	ND 10	ND 10		ND 10				ND 11				
Isophorone		ND 10		ND 10		01 UN		11 UN	01 UN	ND 10		
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 11	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol				ND 10				II QN	ND 10	ND 10	ND 10	
bis(2-Chloroethoxy)methane	ND 10	ND 10							01 ON	01 ON	01 ON	ND 10
2,4-DACHIOFOPHEROI 1.2.4-Trichlorohenzene												
Naphthalene				ND 10	01 ON					ND 10		01 DN
4-Chloroaniline		ND 10		ND 10	ND 10	ND 10	01 UN	ND 11	ND 10			ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 11	01 UN	ND 10		ND 10
4-Chloro-3-methylphenol	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 11	01 ON	ND 10		ND 10
2-Methylnaphthalene Heverehorociclonentacione					01 UN	01 UN	01 UN					01 UN
2,4,6-Trichlorophenol		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10				01 ON	01 UN
2,4,5-Trichlorophenol	ND 26	ND 26		ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26
2-Chloronaphthalene	ND 10	ND 10		ND 10	ND 10	ND 10		11 UN	ND 10	ND 10		ND 10
2-Nitroanline	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26		ND 26		ND 26		ND 26
Dimethylphthalate	01 ON			01 UN					ND 10	ND 10		ND 10
Acenapricrylene 2 6. Dimitrotoluene												
3-Nitroaniline	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26		ND 26
Acenaphthene	ND 10	ND 10	ND 10	ND 10		ND 10		ND 11				
2,4-Dinitrophenol	ND 26	ND 26	ND 26	ND 26		ND 26	ND 26	ND 26	ND 26	ND 26		ND 26
4-Nitrophenol	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26	ND 26		ND 26		ND 26
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 11	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	01 ON	01 ON	01 02 92 93	ND 10		ND 10				ND 10		ND 10
Dietnyipninaiate 4. Chloronheaul-nheaulether												

CRA6440(3)

Page 2 of \$6

Page 3 of 16		5222	05/04/95						ND 26			ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	59			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 51
Η		7161	05/03/95	ND 10						ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
		3151	05/03/95	ND 10	ND 26	ND 26	01 UN	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	. 44	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
		12010	1676 03/05 05/03/95	ND 10	ND 26	ND 26		ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 51
		3257	05/03/95	11 UN	ND 26	ND 26		II ON	ND 26	ND 11	11 UN	11 UN	ND 11	11 UN	ND 11	ND 11	ND 11	11 UN	11	11 UN	11 UN	11 UN	ND 11	11 UN	11 UN	ND 11		ND 53
	NOI	9205	05/02/95			ND 26			ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	20	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 52
1	S SUMMAR) ING PROGR CORPORAT AL	8210	05/02/95	ND 10	ND 26	ND 26		ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 52
TABLE A.1	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	7205	05/02/95	01 UN	ND 26	ND 26		ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	40	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
	ANALYT LONG - TER OCCIDENTA	7155	05/01/95	01 JU	ND 26	ND 26		ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	46	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 52
		7132	05/01/95	01 UN		ND 26			ND 26	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10		ND 52
		7130	05/01/95	ND 10	ND 26	ND 26		ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	51	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 52
		7120	05/01/95	ND 10	ND 26	ND 26	ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
		Sample ID:	Collection Date:	Semi-Volatiles (μg/L) Fluorene	4-Nitroaniline	4,6-Uinitro-2-methylphenol	4-Bromobhenvl-phenvlether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate	3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octyl phthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	Benzyl alcohoł	Benzoic acid

				ANALYT LONG -TER OCCIDENTA	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL	S SUMMARY ING PROGR/ CORPORATI	NOI					
Sample ID:	7120	7130	7132	7155	7205	8210	9205	3257	12010	3151	7161	5222
Collection Date:	96/10/50	05/01/95	05/01/95	05/01/95	05/02/95	05/02/95	05/02/95	05/03/95	Dup. of 3257 05/03/95	05/03/95	05/03/95	05/04/95
Pesticides/PCBs (μg/L) Alpha-BHC Beta-BHC	ND 0.050 ND 0.050	ND 0.052 ND 0.052	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.051 ND 0.051	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	0.061 ND 0.050
Delta-BHC gamma-BHC (Lindane)	ND 0.050 ND 0.050	ND 0.052 ND 0.052	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.051 ND 0.051	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050
Heptachlor Aldrin	ND 0.050 ND 0.050	ND 0.052 ND 0.052	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.051 ND 0.051	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050
Heptachlor epoxide Endosulfan I	ND 0.050 ND 0.050	ND 0.052 ND 0.052	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.051 ND 0.051	ND 0.052 ND 0.052	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050	ND 0.050 ND 0.050
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Endosulfan II 4,4'-DDD	ND 0.10 ND 0.10	01.0 UN ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10	ND 0.10 ND 0.10
Endosulfan sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Methoxychlor Fudrin ketone	ND 0.50 ND 0.10	ND 0.52 ND 0.10	ND 0.52 ND 0.10	ND 0.50	ND 0.50	ND 0.51	ND 0.52 ND 0.10	ND 0.50	ND 0.50	ND 0.50 ND 0.10	ND 0.50	ND 0.50
alpha-Chlordane	ND 0.050	ND 0.052	ND 0.052	ND 0.050	ND 0.050	ND 0.051	ND 0.052	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
gamma-Chlordane	ND 0.050	ND 0.052	ND 0.052	ND 0.050	ND 0.050	ND 0.051	ND 0.052	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Toxaphene	ND 5.0	ND 5.2	ND 5.2	ND 5.0	ND 5.0		ND 5.2	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016 Aroclor-1221	ND 2.0	ND 2.1	ND 2.1	ND 2.0	ND 2.0	ND 2.0	ND 2.1	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Aroclor-1232	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1254	ND 1.0				ND 1.0	ND 1.0	ND 1.0	ND 1.0				ND 1.0
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

Notes: ND Non-detect at or above the associated value. J Associated value is estimated. D Associated value is from a dilution.

TABLE A.1

Page 4 of 16

	10278 9120 9125 115	5 05/09/95 05/12/95 05/12/95		UD 10 ND 10 ND 10	10 ND 10 ND	10 ND 10 ND	01 ON 01 ON 01								UN DI UN DI UN DI UN DI	CIN OF CIN OF	DN 01 DN 01	10 ND 10 ND	10 ND	10 ND 10	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	10 ND 10 ND	ND 10 ND 10 ND 10
	12015 Dun of 9115	05/08/95																ND 10		ND 10	ND 10			ND 10	ND 10	ND 10							ND 10	ND 10			ND 10
	10272	05/08/95		ND 10													ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
A AM FION	9118	05/08/95															ND 10	ND 10		ND 10	01 UN	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10					ND 10	ND 10			ND 10
ANALYTICAL RESULTS SUMMARY LONG - TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	9115	05/08/95															ND 10			ND 10	ND 10	ND 10	ND 10		ND 10			ND 10	ND 10					ND 10			ND 10
TICAL RESULTS RM MONITORIN AL CHEMICAL C LOVE CANAL MAY 1995	9110	05/05/95													ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 UN		ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10		01 ON
ANALY LONG - TEI OCCIDENT	8140	05/05/95		ND 10	ND 10											ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 ON	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10		ND 10
	8130	05/05/95		ND 10	ND 10	01 ON									ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		01 CN	ND 10	ND 10	ND 10	01 ON	01 ON	ND 10	ND 10	ND 10	ND 10		ND 10
	8120	05/04/95		01 UN	ND 10	01 ON									ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10			ND 10	ND 10	01 ON	01 ON	01 ON	ND 10	ND 10	ND 10	ND 10		ND 10
	8110	05/04/95		01 ON	01 ON										ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 UN				01 ON	01 ON			ND 10	ND 10	ND 10	ND 10	01 ON	01 UN
	Sample ID:	Collection Date:	Volatiles (µg/L)	Chloromethane	Bromomethane		Undervious Chinese	Areting terre Childrage	Carbon Disulfide	1 1-Dichloroethene	1 1-Dichloroethane	1 2-Dichloroethene (total)	Chloroform	1.2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene	Trichloroethene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	I rans-1,3-Dichloropropene	bromotorm	4-Methyl-2-pentanone	2-Hexanone	Tetrachloroethene	1,1,2,2-1 etrachloroethane	Toluene	Chlorobenzene	Ethylbenzene	Styrene	Xylene (total)	Vinyl Acetate	2-Chloroethylvinylether

Page 5 of 16

•

					TABLE A.1	1					Pag	Page 6 of 15
				ANALYT LONG -TER OCCIDENTA	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	IS SUMMAR) LING PROGR CORPORAT AL	AM					·
Sample ID:	8110	8120	8130	8140	9110	9115	9118	10272	12015 Dun of 9115	10278	9120	9125
Collection Date:	05/04/95	05/04/95	05/05/95	05/05/95	05/05/95	05/08/95	05/08/95	05/08/95	05/08/95	05/09/95	05/12/95	05/12/95
Semi-Volatiles (µg/L)												
Phenol bis(2-Chlornethvl)ether	01 UN	01 UN 01 UN	01 UN 01 UN	01 UN	01 UN	01 UN	01 UN	01 UN		01 UN	01 UN	01 UN
2-Chlorophenol	ND 10	ND 10	01 ON	ND 10			ND 10	ND 10		ND 10		
1,3-Dichlorobenzene	ND 10	ND 10		ND 10								
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10			ND 10			ND 10		
1,2-Dicniorobenzene 2-Methylahenol										01 UN		01 UN
2,2'-oxybis(1-Chloropropane)	ND 10	ND 10		ND 10								01 UN
4-Methylphenol	ND 10	ND 10		ND 10						ND 10		
N-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		
Hexachloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Nitrobenzene			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone								01 UN		01 ON	ND 10	01 10 10
z-initioprietioi 2.4-Dimethylphenol												
bis(2-Chloroethoxy)methane	01 ON	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	01 ON	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Cruoroantime Hexachlorobutadiene	01 UN	01 UN 01 UN	01 UN 01 UN	01 UN	01 UN 01 UN	01 UN 01 UN	01 UN	01 UN	01 UN	01 UN	01 UN	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 ON	ND 10	ND 10	ND 10		ND 10
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	91 QN	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-1 richlorophenol 2 4 5-Trichlorophenol		01 UN 26 UN	01 UN	01 UN 36 UN	01 UN	ND 10	01 UN	01 UN		ND 10	01 QN	ND 10
2-Chloronaphthalene		ND 10		ND 10	ND 10	ND 10	ND 10	ND 10		01 CN	01 CIN	01 UN
2-Nitroaniline	ND 26	ND 26	ND 26	ND 26	ND 26	ND 25	ND 26	ND 26	ND 25	ND 25	ND 26	ND 26
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 26	ND 26	ND 26	ND 26		ND 25		ND 26	ND 25	ND 25	ND 26	ND 26
Acenaphthene						01 ON	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Uinitrophenol	82 CIN	ND 26	ND 26	ND 26	ND 26	ND 25	ND 26	ND 26	ND 25	ND 25		ND 26
4-Nitrophenol	ND 26	01 20 01 01 01 0	97. CIN	97. CIN	97. CIN	ND 25	ND 26	ND 26	ND 25	ND 25	ND 26	ND 26
Ulbenzoruran 2.4 Dinitratoluana									01 UN	ND 10		ND 10
2,4-Diffictorutere Diathythethalata											01 UN	01 UN
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10							

			0	LUNG - TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	CHEMICAL C LOVE CANAL MAY 1995	CORPORATI L	NO					
Sample ID: 8	8110	8120	8130	8140	9110	9115	9118	10272	12015 Dun. of 9115	10278	9120	9125
Collection Date: 05	05/04/95 (05/04/95	05/05/95	05/05/95	05/05/95	05/08/95	05/08/95	05/08/95	05/08/95	05/09/95	05/12/95	05/12/95
Semi-Volatiles (µg/L) Fluorene	01 GN	01 CIN	01 CN	01 (UN	01 CIN	01 CN				01.014		
iline		ND 26		ND 26		ND 25	ND 26			ND 25		
		ND 26	ND 26	ND 26	ND 26	ND 25	ND 26	ND 26	ND 25	ND 25		
		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
nylether		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
e		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		
ienol		ND 26	ND 26	ND 26	ND 26	ND 25	ND 26	ND 26	ND 25	ND 25	ND 26	ND 26
ne		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
			ND 10	ND 10	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	ND 10	ND 10
halate	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
ithene			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	ND 10
			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
ne			ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
nthracene			ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
halate		01 UN	24	32	ND 10	12	150D	200D	ND 10	ND 10	ND 36	ND 10
		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
thene		ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	ND 10
Benzo(a)pyrene NI		ND 10		ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	01 JU	ND 10	ND 10
Indeno(1,2,3-cd)pyrene NE		ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 JU	ND 10	ND 10
Dibenz(a,h)anthracene NI		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
rylene		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
ol	10		ND 10			ND 10		01 UN	ND 10	ND 10	ND 10	ND 10
Benzoic acid ND	51	ND 51	ND 52	ND 52	ND 51	ND 50	ND 51	ND 51	ND 50	ND 50	ND 51	ND 51

۰ Page 7 of 16

				ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995 MAY 1995	CAL RESULTS M MONITORIN L CHEMICAL C LOVE CANAL MAY 1995	ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM DCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	NOI					
Sample ID:	8110	8120	8130	8140	9110	9115	9118	10272	12015 Due 260115	10278	9120	9125
Collection Date:	05/04/95	05/04/95	05/05/95	05/05/95	05/05/95	05/08/95	05/08/95	05/08/95	05/08/95	05/09/95	05/12/95	05/12/95
Pesticides/PCBs (µg/L) Alpha-BHC Bets-2HC	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.05	ND 0.50	ND 0.051	0.050 0.050	ND 0.050
Delta-BHC	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.05		ND 0.051	ND 0.050	ND 0.050
gamma-BHC (Lindane)	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.05	ND 0.50	ND 0.051	ND 0.050	ND 0.050
Heptachlor	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.05	ND 0.50	ND 0.051	ND 0.050	ND 0.050
Aların Hantachlar anavida	050.0 UN	0000 CIN	0000 CIN					50.0 UN		160.0 UN		
Endosultan I	ND 0.050	ND 0.050	050.0 UN	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.05	ND 0.50	ND 0.051	ND 0.050	ND 0.050
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 1.0	ND 0.10	ND 0.10	ND 0.10
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 1.0	ND 0.10	ND 0.10	ND 0.10
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 1.0	ND 0.10	ND 0.10	ND 0.10
Endosulfan Il	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
4,4'-DDD	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 1.0	ND 0.10	ND 0.10	ND 0.10
Endosulfan sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.51	ND 0.50	ND 0.51	ND 0.50	ND 0.50
Endrin ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
alpha-Chlordane	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.05	ND 0.50	ND 0.051	ND 0.050	ND 0.050
gamma-Chlordane Town-bood	ND 0.050	ND 0.050	ND 0.050	NU 0.050	ND 0.050	NU 0.050	ND 0.050	ND 0.05	ND 0.50	ND 0.051	ND 0.050	ND 0.050
Arochor-1016	ND 1.0	ND 1.0		ND 1.0		01 UN						
Aroclor-1221	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 20	ND 2.0	ND 2.0	ND 20	ND 2.0	ND 2.0	ND 2.0
Aroclor-1232	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0	ND 1.0	ND 10	ND 1.0	ND 1.0	ND 1.0
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0	ND 1.0	ND 10	ND 1.0	ND 1.0	ND 1.0
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0	ND 1.0	01 JU	ND 1.0	ND 1.0	ND 1.0
Aroclor-1254	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0		ND 1.0			ND 1.0	ND 1.0
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

Notes: ND Non-detect at or above the associated value. J Associated value is estimated. D Associated value is from a dilution.

TABLE A.1

Page 8 of 16

				ANALYT LONG - TER OCCIDENTA	ICAL RESULTS M MONITORIN L CHEMICAL C LOVE CANAL MAY 1995	ANALYTICAL RESULTS SUMMARY LONG - TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	NN			÷		
Sample ID:	9140	10113	9210	10205	10215	6209	1151A	10174B	10147	12020 Dun of 6209	10210A	10225A
Collection Date:	05/12/95	05/12/95	05/16/95	05/16/95	05/16/95	05/17/95	05/17/95	05/17/95	05/17/95	05/17/95	05/25/95	05/26/95
Volatiles (µg/L)												
Chloromethane	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10
Bromomethane	ND 10	ND 10				ND 10	ND 10			ND 10	ND 10	ND 10
Vinyl Chloride	ND 10	ND 10										ND 10
Chloroethane	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10		ND 10	ND 10		ND 10
Methylene Chloride	ND 10	ND 10	ND 10	ND 10						ND 10		ND 10
Acetone	ND 10	ND 10	ND 10	ND 10						ND 10	ND 16	ND 28
Carbon Disulfide	ND 10	ND 10	ND 10	ND 10						ND 10	20	43
1,1-Dichloroethene	ND 10	ND 10		ND 10						ND 10	ND 10	ND 10
1,1-Dichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10	ND 10	ND 10
Chloroform	ND 10	ND 10	ND 10	ND 10	ND 10			ND 10		ND 10		ND 10
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10			ND 10	ND 10		ND 10		ND 10
2-Butanone	ND 10	ND 10		ND 10	ND 10			ND 10		ND 10		ND 10
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon Tetrachloride	01 ON	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	ND 10	ND 10	ND 10	ND 10	ND 10			ND 10		ND 10		ND 10
1,2-Dichloropropane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 10	ND 10		ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Trichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	01 QN	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2-1 richloroethane	01 ON	ND 10	01 ON	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10
Benzene T13 Disklammene								01 IQ	ND 10	ND 10	ND 10	ND 10
										01 ON	01 UN	01 UN
4-Methyl-2-nentanone										ND 10		
2-Hexanone	01 CIN	01 CIN	01 CIN	01 (IN		ND 10						
Tetrachloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	01 UN	ND 10	ND 10	ND 10	ND 10	01 CIN
1,1,2,2-Tetrachloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10				
Toluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	ND 10	ND 10	ND 10	ND 10	ND 10			ND 10		ND 10	ND 10	ND 10
Styrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl Acetate	ND 10	ND 10		ND 10								
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

Page 9 of 16

•

A.1	
TABLE	

ANA! VTICAL RESULTS SUMMARY

ANALYLICAL KESULIS SUMMARY LONG - TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION	LOVE CANAL MAY 1995
---	------------------------

Cultane Date 61736 67136	Sample ID:	9140	10113	9210	10205	10215	6209	1151A	10174B	10147	12020 Duv. of 6209	10210A	10225A
Model Model <th< th=""><th>Collection Date:</th><th>05/12/95</th><th>05/12/95</th><th>05/16/95</th><th>05/16/95</th><th>05/16/95</th><th>05/17/95</th><th>05/17/95</th><th>05/17/95</th><th>05/17/95</th><th>05/17/95</th><th>05/25/95</th><th>05/26/95</th></th<>	Collection Date:	05/12/95	05/12/95	05/16/95	05/16/95	05/16/95	05/17/95	05/17/95	05/17/95	05/17/95	05/17/95	05/25/95	05/26/95
ND1 ND1 <td>mi-Volatiles (µg/L)</td> <td></td>	mi-Volatiles (µg/L)												
Motion Motion<	lenol 17 Chlorothullatha-												
	Chlorophenol	ND 10	01 ON		ND 10			ND 10					
NU NU<	-Dichlorobenzene	ND 10	ND 10		ND 10			ND 10					
NU NU<	I-Dichlorobenzene				ND 10			ND 10					
NU NU<	2-Dichlorobenzene	ND 10			ND 10			ND 10					
ND10 ND10 <th< td=""><td>Methylphenol</td><td>ND 10</td><td>ND 10</td><td></td><td>ND 10</td><td></td><td></td><td>01 UN</td><td></td><td></td><td></td><td></td><td></td></th<>	Methylphenol	ND 10	ND 10		ND 10			01 UN					
ND10 ND10 <th< td=""><td>2'-oxybis(1-Chloropropane)</td><td></td><td></td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	2'-oxybis(1-Chloropropane)				ND 10			ND 10					
ND10 ND10 <th< td=""><td>Methylphenol</td><td>ND 10</td><td>01 UN</td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	Methylphenol	ND 10	01 UN		ND 10			ND 10					
ND10 ND10 <th< td=""><td>-Nitroso-di-n-propylamine</td><td>ND 10</td><td>ND 10</td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	-Nitroso-di-n-propylamine	ND 10	ND 10		ND 10			ND 10					
ND10 ND10 <th< td=""><td>exachloroethane</td><td>ND 10</td><td>ND 10</td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	exachloroethane	ND 10	ND 10		ND 10			ND 10					
WD10 WD10 <th< td=""><td>itrobenzene</td><td></td><td></td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	itrobenzene				ND 10			ND 10					
	ophorone	ND 10	ND 10	ND 10	ND 10			ND 10					
	Nitrophenol	ND 10	ND 10	ND 10	ND 10			ND 10					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4-Dimethylphenol				ND 10			ND 10					
MD 10 ND 10 <th< td=""><td>s(2-Chloroethoxy)methane</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	s(2-Chloroethoxy)methane	ND 10	ND 10	ND 10	ND 10			ND 10					
cme ND 10 N	4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10			ND 10					
ND 10 ND 10 <th< td=""><td>2,4-Trichlorobenzene</td><td></td><td>ND 10</td><td></td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	2,4-Trichlorobenzene		ND 10		ND 10			ND 10					
MD10 ND10 ND10 <th< td=""><td>aphthalene</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	aphthalene	ND 10	ND 10	ND 10	ND 10			ND 10					
me ND10 N	Chloroaniline	ND 10	ND 10	ND 10	ND 10			ND 10					
phenol ND10 <	exachlorobutadiene	ND 10	ND 10	ND 10	ND 10			ND 10					
madiene ND10	Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10			ND 10					
entadiene ND10	Methylnaphthalene	ND 10	ND 10	ND 10	ND 10			ND 10					
nd ND10 N	exachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10			ND 10					
nol ND26	4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10			ND 10					
Inte ND 10	4,5-Trichlorophenol	ND 26	ND 26	ND 26	ND 26			ND 26					
ND 26 ND 10 ND 10 <th< td=""><td>Chloronaphthalene</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	Chloronaphthalene	ND 10	ND 10	ND 10	ND 10			ND 10					
i ND10 ND	Nitroaniline	ND 26	ND 26	ND 26	ND 26			ND 26					
ND 10 ND 10 <th< td=""><td>methylphthalate</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	methylphthalate	ND 10	ND 10	ND 10	ND 10			ND 10					
ND 10 ND 10 <th< td=""><td>cenaphthylene</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	cenaphthylene	ND 10	ND 10	ND 10	ND 10			ND 10					
ND 26 ND 26 <th< td=""><td>ó-Dinitrotoluene</td><td>01 UN</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	ó-Dinitrotoluene	01 UN	ND 10	ND 10	ND 10			ND 10					
ND 10 ND 10 <th< td=""><td>Nitroaniline</td><td></td><td>ND 26</td><td>ND 26</td><td>ND 26</td><td></td><td></td><td>ND 26</td><td></td><td></td><td></td><td></td><td></td></th<>	Nitroaniline		ND 26	ND 26	ND 26			ND 26					
ND 26 ND 26 <th< td=""><td>cenaphthene</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	cenaphthene	ND 10	ND 10	ND 10	ND 10			ND 10					
ND 26 ND 25 ND 25 ND 25 ND 26 ND 26 ND 25 ND 27 ND 10 ND 10 <th< td=""><td>-Dinitrophenol</td><td>ND 26</td><td>ND 26</td><td>ND 26</td><td>ND 26</td><td></td><td></td><td>ND 26</td><td></td><td></td><td></td><td></td><td></td></th<>	-Dinitrophenol	ND 26	ND 26	ND 26	ND 26			ND 26					
ND 10 ND 10 <th< td=""><td>Nitrophenol</td><td>ND 26</td><td>ND 26</td><td>ND 26</td><td>ND 26</td><td></td><td></td><td>ND 26</td><td></td><td></td><td></td><td></td><td></td></th<>	Nitrophenol	ND 26	ND 26	ND 26	ND 26			ND 26					
ND 10 ND 10 <th< td=""><td>benzofuran</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	benzofuran	ND 10	ND 10	ND 10	ND 10			ND 10					
ND 10 ND 10 <th< td=""><td>4-Dinitrotoluene</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td>ND 10</td><td></td><td></td><td>ND 10</td><td></td><td></td><td></td><td></td><td></td></th<>	4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10			ND 10					
UD 10 ND 10	iethylphthalate		ND 10	ND 10	ND 10			ND 10					
	Chlorophenyl-phenylether				ND 10			ND 10					

Page 10 of **1**6

·	10225A	05/26/95		ND 20 ND 50					ND 50	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20		ND 20	ND 20	ND 20	ND 20	ND 100
	10210A	05/25/95		ND 10	ND 25					ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	51	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 50
	12020 Duv. of 6209	05/17/95		ND 10 8 CIN			ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	23]	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 51
	10147	05/17/95		ND 10 85 CIN							ND 10				ND 10				ND 10								ND 10	ND 51
	10174B	05/17/95		ND 10 85 CIN			ND 10		ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 51
WO	1151A	05/17/95		01 UN 26 UN	ND 26	ND 10	ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	47]	ND 10	ND 10	ND 10	ND 10			ND 10	ND 10	ND 51
ANALYTICAL RESULTS SUMMARY LONG - TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995	6209	05/17/95		ND 10 8 CIN	ND 26		ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	15J	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
ANALYTICAL RESULTS SUMMARY NG -TERM MONITORING PROGRA CIDENTAL CHEMICAL CORPORATI LOVE CANAL MAY 1995	10215	05/16/95		ND 10	ND 26		ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	11J	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
ANALYTI LONG -TERN OCCIDENTAI	10205	05/16/95		01 UN 26 UN			ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	19]	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
	9210	05/16/95		01 UN 26 UN	ND 26	ND 10	ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 10		ND 10	ND 10	ND 51
	10113	05/12/95		01 UN 26 UN	ND 26	01 UN	ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
	9140	05/12/95		01 ON 20 X	ND 26	ND 10	ND 10	ND 10	ND 26	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10		ND 51
	Sample ID:	Collection Date:	Semi-Volatiles (μg/L)	Fluorene 4-Nitroaniline	4,6-Dinitro-2-methylphenol	N-Nitrosodiphenylamine (1)	4-Bromophenyl-phenylether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-n-butylphthalate	Fluoranthene	Pyrene	Butylbenzylphthalate	3,3'-Dichlorobenzidine	Benzo(a) anthracene	Chrysene	bis(2-Ethylhexyl)phthalate	Di-n-octyl phthalate	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	Benzyl alcohol	Benzoic acid

• Page 11 of 16

TABLE A.1

					LOVE CANAL MAY 1995	AL						
Sample ID:	9140	10113	9210	10205	10215	6209	1151A	10174B	10147	12020	10210A	10225A
Collection Date:	05/12/95	05/12/95	05/16/95	05/16/95	05/16/95	05/17/95	05/17/95	05/17/95	05/17/95	Uup. 01 0209 05/17/95	05/25/95	05/26/95
Pesticides/PCBs (µg/L)												
Alpha-BHC	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Beta-BHC	ND 0.050	ND 0.051	0.071J	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Delta-BHC	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
gamma-BHC (Lindane)	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Heptachlor	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Aldrin	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Heptachlor epoxide	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Endosulfan I	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
Endosulfan Il	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
4,4'-DDD	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
Endosulfan sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
Methoxychlor	ND 0.50	ND 0.51	ND 0.51	ND 0.52	ND 0.50	ND 0.51	ND 0.50	ND 1.0				
Endrin ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20				
alpha-Chlordane	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
gamma-Chlordane	ND 0.050	ND 0.051	ND 0.051	ND 0.052	ND 0.050	ND 0.051	ND 0.050	ND 0.10				
Toxaphene	ND 5.0	ND 5.1	ND 5.1	ND 5.2	ND 5.0	ND 5.1	ND 5.0	ND 10				
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0				
Aroclor-1221	ND 2.0	ND 2.0	ND 2.0	ND 2.1	ND 2.0	ND 2.0	ND 2.0	ND 4.0				
Aroclor-1232	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0				
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0				
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0				
Aroclor-1254				ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0				

Notes:

 ND
 Non-detect at or above the associated value.

 J
 Associated value is estimated.

 D
 Associated value is from a dilution.

CRA6440(3)

TABLE A.1

Page 12 of 16

ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION

ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

			ŏ		CHEMICAL C LOVE CANAL MAY 1995	OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995
Sample ID:	10225B	12510	10210B	10210C	10225C	10135
Collection Date:	05/26/95	Dup. of 10225B 05/26/95	06/01/95	<u> 96/01/92</u>	06/01/95	06/01/95
Volatiles (µg/L)						
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	01 UN	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl Chloride			ND 10	ND 10	ND 10	<u>44</u>]
Chloroethane	01 UN		ND 10	ND 10		ND 10
Methylene Chloride			ND 10			ND 12
Acetone		ND 52		ND 10		100]
Carbon Disulfide	ND 10	ND 10	ND 10	ND 10		ND 10
1,1-Dichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	ND 10	ND 10	ND 10	ND 10		670JD
Chloroform	ND 10	ND 10	ND 10	ND 10	ND 10	86]
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10		
2-Butanone	ND 10	ND 10		ND 10		
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon Tetrachloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloropropane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 10		ND 10	ND 10		ND 10
Trichloroethene	ND 10	ND 10	ND 10		ND 10	18]
Dibromochloromethane	ND 10	ND 10	ND 10	ND 10		ND 10
1,1,2-Trichloroethane	ND 10		ND 10	ND 10	ND 10	ND 10
Benzene	ND 10	01 UN	ND 10	ND 10	ND 10	4900D
Trans-1,3-Dichloropropene	ND 10		ND 10			ND 10
Bromoform	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methyl-2-pentanone	ND 10		ND 10	ND 10	ND 10	ND 10
2-Hexanone	01 UN					ND 10
Tetrachloroethene	01 UN	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2,2-Tetrachloroethane	ND 10			ND 10		ND 10
Toluene	ND 10	ND 10	ND 10			18000D
Chlorobenzene	ND 10					2000D
Ethylbenzene	ND 10	ND 10	ND 10	ND 10		ND 10
Styrene	ND 10	ND 10	ND 10			ND 10
Xylene (total)	ND 10	ND 10	ND 10	ND 10		37]
Vinyl Acetate	ND 10	ND 10				ND 10
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

CRA6440(3)

Page 13 of 16

•

•

ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROCE

LONG -TERM MONITORING PROGRAM CCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID:	102258	12510 Dup. of 10225B	10210B	10210C	10225C	10135
Collection Date:	05/26/95	05/26/95	06/01/95	06/01/95	06/01/95	06/01/95
Semi-Volatiles (µg/L)						
Phenol	ND 10	ND 10	ND 10	22	ND 10	140
bis(2-Chloroethyl)ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2-Chlorophenol						ND 100
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
1,4-Dichlorobenzene				ND 10		ND 100
1,2-Dichlorobenzene						
2-Methylphenol		ND 10	ND 10	ND 10		ND 100
2,2'-oxybis(1-Chloropropane)		ND 10		ND 10		ND 100
4-Methylphenol	ND 10	ND 10		29		ND 100
N-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
Hexachloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
Nitrobenzene	ND 10	ND 10	ND 10		ND 10	
Isophorone	ND 10	ND 10	ND 10		ND 10	
2-Nitrophenol	ND 10	ND 10	ND 10		ND 10	ND 100
2,4-Dimethylphenol	ND 10	ND 10	ND 10		ND 10	
bis(2-Chloroethoxy)methane	ND 10	ND 10	ND 10		ND 10	ND 100
2,4-Dichlorophenol	ND 10	ND 10	ND 10		ND 10	150
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
4-Chloroaniline	ND 10	ND 10	ND 10		ND 10	ND 100
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2-Methylnaphthalene	ND 10	ND 10	ND 10		ND 10	
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2,4,5-Trichlorophenol	ND 25	ND 25	ND 26	ND 26	ND 26	ND 260
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	150
2-Nitroaniline	ND 25	ND 25	ND 26	ND 26	ND 26	ND 260
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2,6-Dinitrotoluene	ND 10	ND 10		ND 10	ND 10	ND 100
3-Nitroaniline	ND 25	ND 25	ND 26	ND 26	ND 26	ND 260
Acenaphthene	ND 10	ND 10		ND 10	ND 10	ND 100
2,4-Dinitrophenol	ND 25	ND 25		ND 26	ND 26	ND 260
4-Nitrophenol	ND 25	ND 25	ND 26	ND 26	ND 26	ND 260
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
Diethylphthalate						
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100

ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

			-	LUVE LANAL MAY 1995	
10225B	12510 Dun of 10775R	10210B	10210C	10225C	10135
05/26/95	05/26/95	06/01/95	06/01/95	06/01/95	06/01/95
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
	ND 25	ND 26	ND 26	ND 26	ND 260
ND 25	ND 25	ND 26	ND 26	ND 26	ND 260
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10		ND 100
ND 25	ND 25	ND 26	ND 26		ND 260
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
01 UN	ND 10	ND 10	ND 10	ND 10	ND 100
01 UN	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 20		ND 100
ND 10	ND 10	ND 10	ND 10		ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	
ND 10	ND 10	ND 10	ND 10		
	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
ND 10	ND 10	ND 10	ND 10	ND 10	ND 100
	ND 10	ND 10	ND 10		380
	ND 50	ND 52	ND 52	ND 10	6400D
	10258 05/26/95 05/26/95 05/26/95 05/26/95 05/26/95 05/26/95 05/26/95 05/26/95 00 10 00 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 100000000	258 01 01 01 01 01 01 01 01 01 01	5.8 12510 5/95 Dup. of 10225B 5/95 05/26/95 25 ND 10 10 ND	5.B 12510 10210B 5.95 Dup. of 10225B 06/01/95 501 05/26/95 06/01/95 501 ND 10 ND 10 100 ND 10 ND 10 101 ND 1	5.8 12510 10210B 10210C $Dup. of 10225B$ $Dup. of 10225B$ $10210B$ $10210C$ 10 ND 10 ND 10 ND 10 ND 10 25 ND 25 ND 26 ND 26 ND 26 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND 10 ND 10 10 ND 10 ND 10 ND

Page 15 of 16

٠

,

ANALYTICAL RESULTS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995 MAY 1995

					MAY 1995	
Sample ID:	10225B	12510 Dup. of 10225B	10210B	10210C	10225C	10135
Collection Date:	05/26/95	05/26/95	06/01/95	06/01/95	06/01/95	06/01/95
Pesticides/PCBs (μg/L)						
Alpha-BHC	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	28D
Beta-BHC	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	10D
Delta-BHC	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	4.7
gamma-BHC (Lindane)	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Heptachlor	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Aldrin	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Heptachlor epoxide	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Endosulfan I	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Dieldrin	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
4,4'-DDE	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
Endrin	ND 0.50	ND 1.0	ND 1.0	ND 0.010	ND 0.10	ND 1.0
Endosulfan Il	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
4,4'-DDD	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
Endosulfan sulfate	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
4,4'-DDT	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
Methoxychlor	ND 2.50	ND 5.0	ND 5.0	ND 0.50	ND 0.52	ND 5.1
Endrin ketone	ND 0.50	ND 1.0	ND 1.0	ND 0.10	ND 0.10	ND 1.0
alpha-Chlordane	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
gamma-Chlordane	ND 0.25	ND 0.50	ND 0.50	ND 0.050	ND 0.052	ND 0.51
Toxaphene	ND 25	ND 50	ND 50	ND 5.0	ND 5.2	ND 51
Aroclor-1016	ND 5.0	ND 10	ND 10	ND 1.0	ND 1.0	ND 10
Aroclor-1221	ND 10	ND 20	ND 20		ND 2.1	ND 20
Aroclor-1232	ND 5.0	ND 10	ND 10	ND 1.0	ND 1.0	ND 10
Aroclor-1242	ND 5.0	ND 10	ND 10	ND 1.0	ND 1.0	ND 10
Aroclor-1248	ND 5.0	ND 10	ND 10		ND 1.0	ND 10
Aroclor-1254	ND 5.0				ND 1.0	ND 10
Aroclor-1260	ND 5.0	ND 10	ND 10	ND 1.0	ND 1.0	ND 10

Notes: ND Non-detect at or above the associated value.

Associated value is from a dilution. Associated value is estimated. <u>م</u> م

Page 16 of 16

SUMMARY OF TRIP BLANK RESULTS LONG-TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	Trip Blank 05/01/95	Trip Blank 05/03/95	Trip Blank 05/05/95	Trip Blank 05/08/95	Trip Blank 05/12/95	Trip Blank 05/16/95	Trip Blank 05/26/95	T rip Blank 06/01/95
Volatiles* (µg/L)								
Chloromethane	ND 10							
Bromomethane	ND 10							
Vinyl Chloride	ND 10							
Chloroethane	ND 10							
Methylene Chloride	4J	4J	6BJ	4 J	14B	6J	8]	8BJ
Acetone	3J	4J	ND 10	5)	ND 10	6J	5 TB	ND 10
Carbon Disulfide	ND 10							
1,1-Dichloroethene	ND 10							
1,1-Dichloroethane	ND 10							
1,2-Dichloroethene (total)	ND 10							
Chloroform	ND 10							
1,2-Dichloroethane	ND 10							
2-Butanone	ND 10							
1,1,1-Trichloroethane	ND 10							
Carbon Tetrachloride	ND 10							
Bromodichloromethane	ND 10							
1,2-Dichloropropane	ND 10							
cis-1,3-Dichloropropene	ND 10							
Trichloroethene	ND 10							
Dibromochloromethane	ND 10							
1,1,2-Trichloroethane	ND 10							
Benzene	ND 10							
Trans-1,3-Dichloropropene	ND 10							
Bromoform	ND 10							
4-Methyl-2-pentanone	ND 10							
2-Hexanone	ND 10							
Tetrachloroethene	ND 10							
1,1,2,2-Tetrachloroethane	ND 10							
Toluene	ND 10							
Chlorobenzene	ND 10							
Ethylbenzene	ND 10							
Styrene	ND 10							
Xylene (total)	ND 10							
Vinyl Acetate	ND 10							
2-Chloroethylvinylether	ND 10							

٠

٠

Notes: Data validation qualifiers have not been assigned.

ND Non-detect at or above the associated value.

Associated value is estimated. J

B Compound was detected in the associated laboratory method blank.

SUMMARY OF FIELD BLANK RESULTS LONG-TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample 1 Collection Da		Bailer Blank 05/09/95	Glove Rinse Blank 05/25/95	Tube Blank 06/01/95
Volatiles (µg/L)				
Chloromethane	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 10	ND 10	ND 10	ND 10
Vinyl Chloride	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 10	ND 10	ND 10	ND 10
Methylene Chloride	ND 10	ND 10	ND 10	ND 10
Acetone	ND 10	ND 10	ND 13	ND 10
Carbon Disulfide	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethane	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	ND 10	ND 10	ND 10	ND 10
Chloroform	ND 10	ND 10	ND 10	12
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10
2-Butanone	ND 10	ND 10	ND 10	ND 10
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10
Carbon Tetrachloride	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	ND 10	ND 10	ND 10	ND 10
1,2-Dichloropropane	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10
Trichloroethene	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	ND 10	ND 10	ND 10	ND 10
1,1,2-Trichloroethane	ND 10	ND 10	ND 10	ND 10
Benzene	ND 10	ND 10	ND 10	ND 10
Trans-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10
Bromoform	ND 10	ND 10	ND 10	ND 10
4-Methyl-2-pentanone	ND 10	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	ND 10	ND 10	ND 10	ND 10
1,1,2,2-Tetrachloroethane	ND 10	ND 10	ND 10	ND 10
Toluene	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	ND 10	ND 10	ND 10	ND 10
Styrene	ND 10	ND 10	ND 10	ND 10
Xylene (total)	ND 10	ND 10	ND 10	ND 10
Vinyl Acetate	ND 10	ND 10	ND 10	ND 10
2-chloroethylvinylether	ND 10	ND 10	ND 10	ND 10

٠

SUMMARY OF FIELD BLANK RESULTS LONG-TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

٠

		MAT 1995		
Sample ID: Collection Date:	DI Water Rinse 05/02/95	Baile r Blank 05/0 9 /95	Glove Rinse Blank 05/25/95	Tube Blank 06/01/95
Semi-Volatiles (µg/L)				
Phenol	ND 11	ND 10	55	ND 10
bis(2-Chloroethyl)ether	ND 11	ND 10	ND 10	ND 10
2-Chlorophenol	ND 11	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 11	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 11	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 11 ND 11	ND 10 ND 10	ND 10 ND 10	ND 10
2-Methylphenol 2,2'-oxybis(1-Chloropropane)	ND 11	ND 10	ND 10	ND 10 ND 10
4-Methylphenol	ND 11	ND 10	ND 10	ND 10
N-Nitroso-di-n-propylamine	ND 11	ND 10	ND 10	ND 10
Hexachloroethane	ND 11	ND 10	ND 10	ND 10
Nitrobenzene	ND 11	ND 10	ND 10	ND 10
Isophorone	ND 11	ND 10	ND 10	ND 10
2-Nitrophenol	ND 11	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 11 ND 11	ND 10 ND 10	ND 10 ND 10	ND 10 ND 10
bis(2-Chloroethoxy)methane 2,4-Dichlorophenol	ND 11	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 11	ND 10	ND 10	ND 10
Naphthalene	ND 11	ND 10	ND 10	ND 10
4-Chloroaniline	ND 11	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 11	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 11	ND 10	ND 10	ND 10
2-Methylnaphthalene	ND 11	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	ND 11	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 11	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol 2-Chloronaphthalene	ND 26 ND 11	ND 26 ND 10	ND 25 ND 10	ND 26 ND 10
2-Nitroaniline	ND 26	ND 26	ND 25	ND 26
Dimethylphthalate	ND 11	ND 10	ND 10	ND 10
Acenaphthylene	ND 11	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 11	ND 10	ND 10	ND 10
3-Nitroaniline	ND 26	ND 26	ND 25	ND 26
Acenaphthene	ND 11	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 26	ND 26	ND 25	ND 26
4-Nitrophenol Dibenzofuran	ND 26 ND 11	ND 26 ND 10	ND 25 ND 10	ND 26 ND 10
2.4-Dinitrotoluene	ND 11	ND 10	ND 10	ND 10
Diethylphthalate	ND 11	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 11	ND 10	ND 10	ND 10
Fluorene	ND 11	ND 10	ND 10	ND 10
4-Nitroaniline	ND 26	ND 26	ND 25	ND 26
4,6-Dinitro-2-methylphenol	ND 26	ND 26	ND 25	ND 26
N-Nitrosodiphenylamine (1)	ND 11	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether Hexachlorobenzene	ND 11 ND 11	ND 10 ND 10	ND 10 ND 10	ND 10 ND 10
Pentachlorophenol	ND 26	ND 26	ND 25	ND 10
Phenanthrene	ND 11	ND 10	ND 10	ND 10
Anthracene	ND 11	ND 10	ND 10	ND 10
Di-n-butylphthalate	ND 11	ND 10	ND 10	ND 10
Fluoranthene	ND 11	ND 10	ND 10	ND 10
Pyrene	ND 11	ND 10	ND 10	ND 10
Butylbenzylphthalate 3,3'-Dichlorobenzidine	ND 11 ND 11	ND 10 ND 10	ND 10 ND 10	ND 10 ND 10
Benzo(a)anthracene	ND 11	ND 10	ND 10	ND 10
Chrysene	ND 11	ND 10	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	ND 11	ND 10	ND 10	25
Di-n-octyl phthalate	ND 11	ND 10	ND 10	ND 10
Benzo(b)fluoranthene	ND 11	ND 10	ND 10	ND 10
Benzo(k)fluoranthene	ND 11	ND 10	ND 10	ND 10
Benzo(a)pyrene	ND 11	ND 10	ND 10	ND 10
Indeno(1,2,3-cd)pyrene	ND 11	ND 10	ND 10	ND 10
Dibenz(a,h)anthracene Benzo(g,h,i)perylene	ND 11 ND 11	ND 10 ND 10	ND 10 ND 10	ND 10 ND 10
Benzyl alcohol	ND 11	ND 10	ND 10	ND 10
Benzoic acid	ND 53	ND 51	ND 50	ND 50
CRA6440 (3)				

.

SUMMARY OF FIELD BLANK RESULTS LONG-TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	ample ID: tion Date:	DI Water Rinse 05/02/95	Bailer Blank 05/09/95	Glove Rinse Blank 05/25/95	Tube Blank 06/01/95
Pesticides/PCBs (µg/L)					
Alpha-BHC		ND 0.052	ND 0.051	R	ND 0.051
Beta-BHC		ND 0.052	ND 0.051	R	ND 0.051
Delta-BHC		ND 0.052	ND 0.051	R	ND 0.051
gamma-BHC (Lindane)		ND 0.052	ND 0.051	R	ND 0.051
Heptachlor		ND 0.052	ND 0.051	R	ND 0.051
Aldrin		ND 0.052	ND 0.051	R	ND 0.051
Heptachlor epoxide		ND 0.052	ND 0.051	R	ND 0.051
Endosulfan I		ND 0.052	ND 0.051	R	ND 0.051
Dieldrin		ND 0.10	ND 0.10	R	ND 0.10
4,4'-DDE		ND 0.10	ND 0.10	R	ND 0.10
Endrin		ND 0.10	ND 0.10	R	ND 0.10
Endosulfan II		ND 0.10	ND 0.10	R	ND 0.10
4,4'-DDD		ND 0.10	ND 0.10	R	ND 0.10
Endosulfan sulfate		ND 0.10	ND 0.10	R	ND 0.10
4,4'-DDT		ND 0.10	ND 0.10	R	ND 0.10
Methoxychlor		ND 0.52	ND 0.51	R	ND 0.51
Endrin ketone		ND 0.10	ND 0.10	R	ND 0.10
Endrin aldehyde		ND 0.10	ND 0.10	R	ND 0.10
alpha-Chlordane		ND 0.052	ND 0.051	R	ND 0.051
gamma-Chlordane		ND 0.052	ND 0.051	R	ND 0.051
Toxaph e ne		ND 5.2	ND 5.1	R	ND 5.1
Aroclor-1016		ND 1.0	ND 1.0	R	ND 1.0
Aroclor-1221		ND 2.1	ND 2.0	R	ND 2.0
Aroclor-1232		ND 1.0	ND 1.0	R	ND 1.0
Aroclor-1242		ND 1.0	ND 1.0	R	ND 1.0
Aroclor-1248		ND 1.0	ND 1.0	R	ND 1.0
Aroclor-1254		ND 1.0	ND 1.0	R	ND 1.0
Aroclor-1260		ND 1.0	ND 1.0	R	ND 1.0

Notes:

•

ND Non-detect at or above the associated value.

R Data Rejected.

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	7120 5/1/95	7130 5/1/95	7132 5/1/95	7155 5/1/95	D.I. BLANK 5/2/95	7205 5/2/95	8210 5/2/95	9205 5/2/95	3257 5/3/95
Volatiles (µg/L)									
Chloromethylbenzene	-	-	-	-	-		-	-	-
Dichloromethylbenzene Isomer 1	•	-	-		-	-	-	-	-
Dichloromethylbenzene Isomer 2	-	•	-	-	-		-	-	-
Dimethyldisulfide	-	-	-	-	-	-	-	-	•
Dimethylsulfide Unknown 1		-	-	-	-	-		-	•
Unknown 2	-	-	_	-	-	-	•	-	
Unknown 3	-	-	-	-	-	-	-	-	
Unknown 4	-	-	-		-	-	-	-	-
Unknown 5	-	-	-	-	-		-	-	-
Semi-Volatiles (µg/L)									
2-Ethylhexanoic Acid	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-
Alkane 1	-	-	-	-	-	-	-	-	-
Alkane 2 Alkane 3	-	-	-	-	-	-	-	-	-
Aromatic		-	-		-	-	-	-	-
Benzeneacetic Acid	-	-	-	-		-	-	-	-
Chlorobenzoic Acid Isomer 1		-	-	-	-	-	-	-	
Chlorobenzoic Acid Isomer 2		-	-	•	-	-	-	-	-
Chlorobenzoic Acid Isomer 3	-	-	-	-	-	-	-	-	-
Chloromethylbenzene Isomer 1	-	-	-	-	-	-	-	-	-
Chloromethylbenzene Isomer 2 Chlorotoluene	-	-	-	-	-	-	-	-	-
Cyclohexanol	-	-		-		-	-	-	
Dimethyltetrasulphide	-	_	•	-	-	-	-	-	-
Dimethyltrisulfide		-	-	-	-	-	-	-	-
Isobenzofuranone	-	-	-	-	-	-	-	-	-
Lenthionine	-	-	-	-	-	-	-	-	-
Methylbenzenesulfonamide	-	-	-	-	-	-	-	-	4 J
Methylstyrene Mehanden Sulfan	-	•	•	-	-	-	-	-	•
Molecular Sulfur Organic Acid 1		-	-	-	-	-	-		-
Organic Acid 2	-	-	-	-	-	-	-	-	-
Organic Acid 3	-	-	-			-	-	-	-
Organic Acid 4	-	-	-	-	-	-	-	-	-
Organic Acid 5	-	-	-	-	-	-	-	-	-
Organic Acid 6	-	-	-	-	-	-	•	-	-
Phthalate 1 Phthalate 2	-	-	-	-	-	-	-	-	-
Phthalate 3		-	-			-	-	-	-
Phthalate 4	-	-	-		-	-	-	-	-
Phthalate 5	-	-	-	-		-	-	-	•
Phthalate 6	-	-	-	-	-	-	•	-	-
Phthalate 7	-	-	-	-	-	-	-	-	-
Phthalate 8 Phthalate 9		-	-	-	-	-	-	-	
Phthalate 10				-	-	-	-	_	
Phthalate 11		-	-		-	-	-	-	-
Phthalate 12	-	-			-	-	-	-	-
Phthalate 13	-	-	-	-	-	-	-	-	•
Sulfur	-	-	-	-	-	-	-	500 J	-
Trifluoromethylchlorobenzene	-	-	- 51	-	-	-	- 71	- 10 ľ	-
Unknown 1 Unknown 2	20 J		5 J	-	10 J	5 J	7 J	10 J	
Unknown 2 Unknown 3	-		-	-	-	-	-	-	
Unknown 4	-	-	-	-	-	-	-	-	-
Unknown 5	-	-	-	-	-	-		-	
Unknown 6	-	-		-	-	-	-	3 J	-
Unknown 7	-	-	-	-	-	-	-	-	-
Unknown 8	-	-	-	-	-	-	-	-	•
Unknown 9	-		-	-	-	-	-	-	

٠

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	12010 5/3/95	3151 5/3/95	7161 5/3/95	5222 5/4/95	8110 5/4/95	8120 5/4/95	8130 5/5/95	8140 5/5/95	9110 5/5/95	9115 5/8/95
Volatiles (µg/L)										
Chloromethylbenzene	-	-	-	-	-	-	-	-	-	-
Dichloromethylbenzene Isomer 1	-	-	-	-	•	-	-	-	-	-
Dichloromethylbenzene Isomer 2	•	-	-	-	-	-	-	-	-	-
Dimethyldisulfide	-	-	-	-	-	-	· -	-	-	-
Dimethylsulfide	-	-	-	-	-	-	-	-	-	-
Unknown 1	-	-	-	-	-	-	-	-	-	-
Unknown 2	-	-	-	•	-	•	-	-	-	-
Unknown 3	•	-	-	-	-	-	-	-	-	-
Unknown 4 Unknown 5	-	-	-	-	-	-	-	-	-	-
Semi-Volatiles (µg/L)										
2-Ethylhexanoic Acid			-	-	_	_				
Acetophenone		-	-		_	_	-	-	-	•
Alkane 1	-	-	-	-		_		-	-	-
Alkane 2	-	-	-	-		-			-	-
Alkane 3	-	-	-	-	-	-		-	-	-
Aromatic	-	_ ·	-	-		-			-	
Benzeneacetic Acid		-	-	-	-	-	-	-	-	
Chlorobenzoic Acid Isomer 1		-	-	-	-	-	_	-	-	-
Chlorobenzoic Acid Isomer 2	-	-		-	-		-	_	-	
Chlorobenzoic Acid Isomer 3	-	-	-	-	-	-		-		-
Chloromethylbenzene Isomer 1	-	-	-	-	-	-		_	-	-
Chloromethylbenzene Isomer 2	-	-	-	-	-	-	-	_	_	_
Chlorotoluene		-	-	3 J	-	-		-	-	-
Cyclohexanol	4 J	-	-	-,	-	-		_	-	-
Dimethyltetrasulphide	-	-	-	-		-	-	-		
Dimethyltrisulfide	-	-	-	-	-		-	-		-
Isobenzofuranone	-	-	-	-	-	-	-	-	-	_
Lenthionine			-		-	-		-	-	-
Methylbenzenesulfonamide	3 J		-	-	-	-	-	-	-	-
Methylstyrene	3 j		-	-	-	-		-	-	_
Molecular Sulfur		-	-		-	-		-	-	-
Organic Acid 1	-	-	-	-				-	-	-
Organic Acid 2	-	-		-	-	-	-	-	-	-
Organic Acid 3			-	-	-	3 J	-	-	-	-
Organic Acid 4	-	-	-	-	-	-	-	-	-	-
Organic Acid 5	-	-	-	-		-		-	-	-
Organic Acid 6	2 J	-	-	-	-	-	-	-	-	
Phthalate 1	-	-	-	-	-	-	-	-	-	-
Phthalate 2	-	-		-	-	-	-	-		-
Phthalate 3	-	-	-	-	-	-	-	-	-	-
Phthalate 4	-	-	-	•	-	-	-	-	-	-
Phthalate 5	-	•	-	-	-	-	•	-	-	-
Phthalate 6	-	-	-	•	-	-	-	-	-	-
Phthalate 7	-	-	-	-	-	-	-	-	-	-
Phthalate 8	-	-	-	-	-	-	-	-	-	-
Phthalate 9	-	-	-	-	-	-	-	-	-	-
Phthalate 10	-	-	-	-	-	-	-	-	-	-
Phthalate 11	-	-	-	•	-	-	-	-	-	-
Phthalate 12	-	•	-	-	-	-	-	-	-	-
Phthalate 13	-	-	-	-	-	-	-	-	-	-
Sulfur	-	-	-	-	-	-	-	-	-	-
Trifluoromethylchlorobenzene	-	-	-	3 J	-	-	-	-	-	-
Unknown 1	-	-	-	-	-	-	-	-	-	-
Unknown 2	-	-	-	-	-	-	-	-	-	-
Unknown 3	-	-	-	-	-	-	-	-		•
Unknown 4	-	-	-	-	-	-	-	-	-	
Unknown 5	•	-	-	-	-	-	-	-	-	-
Unknown 6	-	-	-	2 J	-	-	-	-	-	-
Unknown 7	-	-	-	-	-	-	-	-	-	-
Unknown 8	-	-	-	-	-	-	-	-	-	-
Unknown 9	-	-	-	-	-	-	-	-	-	•
	-	-	-	-	-	-	-	-	-	-

.

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	9118 5/8/95	102 72 5/8/95	12015 5/8/95	102 78 5/9/95	BAILER BLANK 5/9/95	9120 5/12/95	9125 5/12/95	9140 5/12/95	10113 5/12/95
Volatiles (µg/L)									
Chloromethylbenzene	-	-	-	-	-	-	-	-	
Dichloromethylbenzene Isomer 1	-	-	-	-	-	-	-	-	
Dichloromethylbenzene Isomer 2	•	-	-	-	-	-	-		
Dimethyldisulfide	-	-	-	-	•	-	-	-	-
Dimethylsulfide	-	-	-	-	-	-	-	-	-
Unknown 1	-	-	-	•	-	-	-	-	-
Unknown 2	-	-	-	-	-	10 J	-	30 J	•
Unknown 3 Unknown 4	-	-	-	-	-	-	-	-	-
Unknown 5	•	•	-	-	-	-		-	-
	-	-		-	-	-		-	•
Semi-Volatiles (µg/L)									
2-Ethylhexanoic Acid	-	-	-	-	-	•	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-
Alkane 1	•	•	-	•	-	-	-	•	•
Alkane 2	-	-	-	-	-	-	-	-	-
Alkane 3	-	-	-	-	•	-	-	-	-
Aromatic Benzeneacetic Acid	•	-	-	-	-		-	-	•
Chlorobenzoic Acid Isomer 1	-	-	_	-	-	-	_		-
Chlorobenzoic Acid Isomer 2	-	_	-	-	_	-			-
Chlorobenzoic Acid Isomer 3		-	-	-	-		-	-	-
Chloromethylbenzene Isomer 1		-		-	-	-	-	-	-
Chloromethylbenzene Isomer 2	-	-	-			-	-	-	-
Chlorotoluene	-	-	-	-		-	-	-	-
Cyclohexanol	-	-	•	-	3 J	-	-	-	-
Dimethyltetrasulphide	-	-	-	-		-	-	-	-
Dimethyltrisulfide	-	-	-	-	-	-	-	-	-
Isobenzofuranone	•	•	•	-	•	-	-	-	-
Lenthionine	-	•	-	-	-	-	-	- 71	-
Methylbenzenesulfonamide Methylstyrene	-	-	-	-	•	-	-	7 J	
Molecular Sulfur			-		-	-	-		
Organic Acid 1	-	-	-		-	-	-		
Organic Acid 2	-		-	-	-	-	-		-
Organic Acid 3	-	-	-	-	-	-	-		
Organic Acid 4	-	-	-	-	-	-	-	-	-
Organic Acid 5	-	•	-	-	-	-	-	-	-
Organic Acid 6	-	-	-	-	-	-	-	-	•
Phthalate 1	•	-	-	-	-	-	-	-	-
Phthalate 2 Phthalate 3	•	-	-	-	-	-	-	-	-
Phthalate 4	-	-	-		-		-		
Phthalate 5	-	-	-	-	-	-	-	-	-
Phthalate 6	-	-	-		-	-	-	-	-
Phthalate 7	-	-	-	-	-	-	-		-
Phthalate 8	-	-	-	-		-	-		•
Phthalate 9	-	-	-	-	-	-	-	-	•
Phthalate 10	-	-	-	-	-	-	-	-	-
Phthalate 11	-	-	-	-	-	-	-	-	-
Phthalate 12 Phthalate 13	•	-	-			-	-	-	-
Sulfur		· _	-	-	-	-	-	-	-
Trifluoromethylchlorobenzene	-	-	-	-	-	-	-	-	-
Unknown 1		-	-	-	-	-	-	-	-
Unknown 2	-	-	-	-	-		-	-	
Unknown 3	-	-	-	-	-	-	-	-	-
Unknown 4	-	-	-	-	-	-	-	-	-
Unknown 5	-	-	-	-	-	-	-	-	-
Unknown 6	•	-	-	-	-	-	-	-	-
Unknown 7	-	-	-	-	-	•	-	-	-
Unknown 8 Unknown 9	•	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-		-

٠

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	9210 5/16/95	10205 5/16/95	10215 5/16/95	6209 5/17/95	1151A 5/17/95	10174B 5/17/95	10147 5/17/95	12020 5/17/95	GLOVE RIN SE 5/25/95
Volatiles (µg/L)									
Chloromethylbenzene	-	-	-	-	-	-	-	-	-
Dichloromethylbenzene Isomer 1	-	-	-	-	•	-	-	-	-
Dichloromethylbenzene Isomer 2	-	-	-	-	-	-		-	-
Dimethyldisulfide	-	-	-	-	-	-	-	-	•
Dimethylsulfide	-	-	-	-	-	-	-	-	
Unknown 1 Unknown 2	-	-	-	-	-	-	-	-	-
Unknown 3	-	-	-	-		-		-	-
Unknown 4	-	-	-	-	-	-	-	-	
Unknown 5	-	-	-	-	-	-	-	-	
Semi-Volatiles (µg/L)			-						80 I
2-Ethylhexanoic Acid Acetophenone	-	-	-	-	-			-	80 J
Alkane 1	-			-	3 J	20 J	20 J	-	4 J
Alkane 2	-	-		-	-	-	10 J	-	-
Alkane 3	-		-	-	-	10 J	2 J	-	-
Aromatic	-	-	-	-	-	-	-	-	-
Benzeneacetic Acid	-	-	-	-	-	-	-	-	-
Chlorobenzoic Acid Isomer 1	-	-	-	-	-	-	-	-	-
Chlorobenzoic Acid Isomer 2	-	-	-	-	-	-	•	•	-
Chlorobenzoic Acid Isomer 3	-	•	-	-	-	-	•	•	-
Chloromethylbenzene Isomer 1	-	-	-		-	-	-		-
Chloromethylbenzene Isomer 2 Chlorotoluene		-	-	-					-
Cyclohexanol	-		-		-	-			
Dimethyltetrasulphide	-	-	-	-		-	-		-
Dimethyltrisulfide	-	-	-	-	-	-	-	-	-
Isobenzofuranone	-		-	-	-		-	-	-
Lenthionine	-	-	•	-	-	- ·	-	-	-
Methylbenzenesulfonamide	-	-	•	-	•	-	-	-	-
Methylstyrene	-	-	-	-	•	•	-	-	-
Molecular Sulfur	-	•	-	-	-	-	-	•	-
Organic Acid 1		-	-	-	-	-	-	•	-
Organic Acid 2 Organic Acid 3	-	-				-	-		-
Organic Acid 4	-	-	_		-	-	-	•	-
Organic Acid 5	-	-		-	-	-			-
Organic Acid 6	-	-	-	-	-	-	-	-	-
Phthalate 1	-	-	-	-	-	-	-	-	4 J
Phthalate 2	-	-	-	-	-	-	-	-	3 J
Phthalate 3	-	-	-	•	-	-	-	•	2 J
Phthalate 4	-	-		-	•	-	-	-	20 J
Phthalate 5 Phthalate 6	-		-						2 J
Phthalate 6 Phthalate 7				-		-	-	-	4 J 10 J
Phthalate 8			-	-		-	-	-	5 J
Phthalate 9	-	-	-	-	-	-	-		6 J
Phthalate 10		-	•	-	-	-	-	-	6 J
Phthalate 11	-	•	-	-	-	-	•	•	6 J
Phthalate 12	-	-	-	•	-	•	-	-	6 J
Phthalate 13	- 200 I	-	-	-	-	-	-	200 J	4 J
Sulfur Trifluoromethylchlorobenzene	200 J	100 J			-	-	-	200 j	-
Unknown 1		-	-	-	-	-		-	-
Unknown 2	-		-		-	-	-		-
Unknown 3	-	-	-	-	-	-			-
Unknown 4	-	-	-	-	-	-	3 J	3 J	-
Unknown 5	-	-	-	-	-	-		-	-
Unknown 6	-	-	-	-	-	-	-	-	-
Unknown 7	-	-	-	•	-	-	-	-	-
Unknown 8	-	-	-	-	-	-	-	-	-
Unknown 9	•	-	-	•	-	-	-	-	

٠

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

Sample ID: Collection Date:	10210A 5/25/95	10225A 5/26/95	10225B 5/26/95	12510 5/26/95	10210B 6/1/95	10210C 6/1/95	10225C 6/1/95	10135 6/1/95	TUBE BLANK 6/1/95
Volatiles (µg/L)									
Chloromethylbenzene	-	•	-	-	-	-	6 J	-	-
Dichloromethylbenzene Isomer 1	-	-	-	-	-	-	-	40 J	-
Dichloromethylbenzene Isomer 2	-	-	-	•	-	•	-	9 J	-
Dimethyldisulfide Dimethylsulfide	60 J 300 J	50 J 400 J	- 20 J	- 20 J	-	-	-	-	-
Unknown 1	200 J	400 J 200 J	20 J 50 J	20 J		-	-	-	-
Unknown 2	-	-	-	-	-	-		-	-
Unknown 3	-	8 J	-	-	-	-	-	-	-
Unknown 4	-	-	-	-	-	-	-	200 J	-
Unknown 5	-	•	-	-	-	-	-	100 J	-
Semi-Volatiles (µg/L)									
2-Ethylhexanoic Acid	-	-	-	-	-	-	-	-	-
Acetophenone	-	•	-	-	-	3 J	-	-	-
Alkane 1	-	-	-	-	-	-	-	-	-
Alkane 2	-	-	-	-	-	•	-	-	-
Alkane 3	-	-	-	-	-	-	•	•	-
Aromatic Benzeneacetic Acid	2 J	-	-	-	- 3 J	-	-	- 80 J	-
Chlorobenzoic Acid Isomer 1	-	-	-	-	-		-	3000 J	-
Chlorobenzoic Acid Isomer 2	-	-	-	-	-	-	-	900 J	-
Chlorobenzoic Acid Isomer 3	-	-	-	-	-	-	-	4000 J	-
Chloromethylbenzene Isomer 1	-	-	-	-	-	-	-	3000 J	-
Chloromethylbenzene Isomer 2	-	-	-	-	•	-	-	2000 J	-
Chlorotoluene	-	-	-	•	-	-	-	-	-
Cyclohexanol	-	-	-	-	-	-	-	-	-
Dimethyltetrasulphide Dimethyltrisulfide	20 J 40 J	- 60 J	-	-	•	-	-	-	-
Isobenzofuranone	40) 6J	-	-	-			-	-	-
Lenthionine	3 J	-	-	-		-	-	-	-
Methylbenzenesulfonamide	-	-	-	-	-	-	-	-	-
Methylstyrene	-	-	-	-	-	-	-	-	-
Molecular Sulfur	J	J	J	J	-	-	-	-	-
Organic Acid 1	-	-	-	-	4 J	-	•	-	-
Organic Acid 2	-	-	-	-	10 J	4 J 2 J	-	-	-
Organic Acid 3 Organic Acid 4	-	-	-	-	- 5 J	2J 3J	3 J	-	31
Organic Acid 5		-	-	-	31	-	-	-	-
Organic Acid 6	-	-	-	-	4Ĵ	-	-	-	-
Phthalate 1	-		-	-	-	-	-	-	-
Phthalate 2	-	-	-	-	-	-	-	-	-
Phthalate 3	-	-	-	-	-	-	-	-	-
Phthalate 4	-	-	-	-	-	-	-	-	-
Phthalate 5 Phthalate 6		-	-	-	-	-	-	-	-
Phthalate 7	-	-	-		· _			-	-
Phthalate 8	-	-	-	-	-	-	-	-	-
Phthalate 9	•	-	-	-	-	-	-	-	-
Phthalate 10	-	-	-	-	-	-	-	-	-
Phthalate 11	•	-	-	-	-	-	-	-	-
Phthalate 12 Phthalate 13	-	-	-	-			-	-	-
Sulfur	-	-	_	-		-	-	-	-
Trifluoromethylchlorobenzene	-	-	-	-	-	-	-	-	-
Unknown 1	-	4 J	-	-	-	-	-	-	-
Unknown 2	-	-	-	-	-	-	6 J	900 J	3 J
Unknown 3	-	-	-	-	10 J	3 J	-	90 J	2 J
Unknown 4	-		-	-	-	-	-	100 J 100 J	-
Unknown 5 Unknown 6	- 3 J	- 9J	5 J	2 J	-	- 2 J	-	100 J -	-
Unknown 7	-	9j -	5]	-	-	-	-	40 J	-
Unknown 8		-	-	-	-	-	-	400 J	-
Unknown 9	-	10 J	-	-	10 J	3 J	-	-	-

٠

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	Sample ID: Collection Date:	7120 5/1/95	7130 5/1/95	7132 5/1/95	7155 5/1/95	D.I. BLANK 5/2/95	7205 5/2/95	821 0 5/2/95	9205 5/2/95	3257 5/3/95
Semi-Volatiles	(µg/L)									
Unknown 10		-	-	-	-	-	-	-	-	-
Unknown 11		-	-	-	-	-	-	-	-	-
Unknown 12		-	-	5 J	-	-	-	3 J	-	-
Unknown 13		-	-	-	-	-	-	-	-	-
Unknown 14		-	-	-	-	-	-	-	-	-
Unknown 15		-	-	-	-	-	•	-	-	-
Unknown 16		-	-	-	-	-	-	•	-	-
Unknown 17		-	-	-	-	-	•	-	-	-
Unknown 18		-	-	-	-	-	-	-	-	-
Unknown 19		-	-	-	-	-	•	•	-	-
Unknown 20		-	-	-	-	-	-	•	-	-
Unknown 21		-	-	-	-	2 J	-	•	-	-
Unknown 22		-	-	-	-		-	-	-	-
Unknown 23		-	-	-	-	-	-	-	-	-
Unknown 24		-	-	-	•	-	-	-	-	-
Unknown 25		-	-	-	-	-	-	-	-	-
Unknown 26		-	3 J	-	-	-	-	-	-	-
Unknown 27		-	-	-	-	-	-	-	-	8 J
Unknown 28		-	-	-	-	-	-	-	-	-
Unknown 29		-	-	-	-	-	-	-	-	-
Unknown 30		-	-	-	-	-	-	-	-	-
Unknown 31		-	-	-	-	-	-	-	-	-
Unknown 32		-	-	-	-	-	-	-	-	-
Unknown 33		•	-	-	-	-	-	-	-	-
Unknown 34		•	-	-	-	-	-	-	-	-
Unknown 35		-	-	-	-	-	-	-	-	-
Unknown chlor	rophenol		-	-	-	-	-	-	-	-
Vanillin		-	-	-	-	•	-			-

Notes:

٠

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	Sample ID: Collection Date:	12010 5/3/95	3151 5/3/95	7161 5/3/95	5222 5/4/95	8110 5/ 4 /95	8120 5/4/95	8130 5/5/95	8140 5/5/95	9110 5/5/95	9115 5/8/95
Semi-Volatiles (µ	g/L)										
Unknown 10	•	-	-	-	-	-	-	-	-	-	-
Unknown 11		-	-	-	-	-	-	-	-	-	-
Unknown 12		-	•	-	-	-	-	-	-	-	
Unknown 13		-	-	-	-	-	-	-	-	-	-
Unknown 14		-	-	•	-	-	-	-	-	-	-
Unknown 15		-	-	-	-	-	-	-	3 J	-	-
Unknown 16		-	-	-	-	-	-	-	-	-	-
Unknown 17		-	-	-	-	-	-	•	-	-	-
Unknown 18		-	-	-	-	-	-	-	-	-	•
Unknown 19		-	-	-	-	-	-	-	-	-	-
Unknown 20		-	-	-	-	-	-	-	-	-	-
Unknown 21		-	-	-	-	-	-	~	-	-	-
Unknown 22		-	-	-	-	-	-	-	-	-	-
Unknown 23		-	-	•	-		-	-	-	-	-
Unknown 24		-	-	-	-	-	-	-	-	-	-
Unknown 25		-	-	-	-	-	-	-	-	-	-
Unknown 26		-	-	•	2 J	-	-	-	-	-	-
Unknown 27		-	-	-	-	-	-	-	-	-	-
Unknown 28		-	-	-	2 J	-	-	-	-	-	-
Unknown 29		-	-	-	-	-	-	-	-	-	-
Unknown 30		-	-	-	-	-	-	-	-	-	-
Unknown 31		-	•	-	-	-	-	-	-	-	-
Unknown 32		-	7 J	7 J	-	•	-	-	-	-	-
Unknown 33		4 J	5 J	-	-	-	-	3 J	-	-	-
Unknown 34		-	-	-	-	-	-	-	-	-	-
Unknown 35		-	-	-	-	-	-	-	-	-	-
Unknown chlorop	ohenol	-	•	-	-	-	-	-	-	-	-
Vanillin		-	-		-	-		-	-	-	-

Notes:

.

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	Sample ID: Collection Date:	9118 5/8/95	10272 5/8/95	12015 5/8/95	10278 5/9/95	BAILER BLANK 5/9/95	9120 5/12/95	9125 5/12/95	9140 5/12/95	10113 5/12/95
S em i-Volatiles	(µg/L)									
Unknown 10		-	-	-	-	-	-	-	-	-
Unknown 11		-	-	-	-	-	-	-	-	-
Unknown 12		-	-	-	-	-	-	-	-	-
Unknown 13		-	-	-	-	-	-	-	-	-
Unknown 14		-	-	-	-	-	-	-	-	-
Unknown 15		-	-	-	•	-	-	-	-	-
Unknown 16		-	-	-	-	-	-	-	-	-
Unknown 17		-	-	-	-	-	-	-	-	-
Unknown 18		-	-	-	-	-	-	-	-	-
Unknown 19		-	-	-	-	-	-	-	-	-
Unknown 20		-	-	-	-	-	-	-	-	-
Unknown 21		-	-	-	-	-	-	-	-	-
Unknown 22		-	-	-	-	-	-	-	-	-
Unknown 23		-	-	-	-	•	-	-	-	-
Unknown 24		-	-	-	-	-	-	-	-	-
Unknown 25		-	-	-	-	-	-	-	-	-
Unknown 26		-	-	-	-	-	-	-	-	-
Unknown 27		-	-	-	-	-	-	-	-	-
Unknown 28		-	-	-	-	-	-	-	-	-
Unknown 29		-	-	-	-	-	2]	-	-	-
Unknown 30		-	-	-	-	-	-	-	-	-
Unknown 31		-	-	-	-	-	-	-	-	-
Unknown 32		-	-	-	-	-	-	-	-	-
Unknown 33		-	-	-	-	-	2 J	-	-	-
Unknown 34		-	-	-	•	-	-	-	-	-
Unknown 35		-	-	-	-	-	-	-	-	-
Unknown chlo	rophenol	-	-	-	•	-	-	-	-	-
Vanillin		-	-	-	-	-	-	-	-	-

Notes:

•

.

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	Sample ID: Collection Date:	9210 5/16/95	10205 5/16/95	10215 5/16/95	6209 5/17/95	1151A 5/17/95	10174B 5/17/95	10147 5/17/95	12020 5/17/95	GLOVE RINSE 5/25/95
Semi-Volatiles	(µg/L)									
Unknown 10		-	-	-	-	-	-	-	-	2 J
Unknown 11		-	-	-	-	-	-	-	-	3 J
Unknown 12		-	-	-	-	-	-	-	-	-
Unknown 13		-	-	-	-	-	-	-	-	-
Unknown 14		-	-	-	-	-	-	-	-	-
Unknown 15		-	-	-	-	-	-	-	-	2 J
Unknown 16		4 J	5 J	-	-	-	-	-	-	80 J
Unknown 17		-	-	-	-	-	-	-	-	-
Unknown 18		-	-	-	-	-	-	-	-	-
Unknown 19		-	-	-	-	-	-	-	-	-
Unknown 20		-	-	-	-	-	-	-	-	-
Unknown 21		-	3 J	-	-	-	3 J	-	•	50 J
Unknown 22		-	-	-	-	-	-	-	-	-
Unknown 23		-	-	-	-	-	-	-	-	10 J
Unknown 24		-	-	-	-	-	-	-	4 J	-
Unknown 25		-	-	-	-	-	-	-	10 J	-
Unknown 26		-	3 J	-	7 J	-	-	-	-	-
Unknown 27		-	-	-	-	-	-	-	-	-
Unknown 28		-	-	-	-	-	-	-	-	-
Unknown 29		-	-	-	-	-	-	-	3 J	-
Unknown 30		-	-	-	-	-	-	-	-	-
Unknown 31		-	-	-	-	-	-	-	-	2 J
Unknown 32		-	-	-	-	-	-	-	-	-
Unknown 33		-	-	-	-	-	-	-	-	-
Unknown 34		•	-	-	-	-	-	-	-	-
Unknown 35		•	-	-	-	-	-	-	-	-
Unknown chlor	ophenol	-	-	-	-	-	-	-	•	-
Vanillin		-	-	-	-	-	-	-	-	-

Notes:

٠

4

TENTATIVELY IDENTIFIED COMPOUNDS SUMMARY LONG -TERM MONITORING PROGRAM OCCIDENTAL CHEMICAL CORPORATION LOVE CANAL MAY 1995

	Sample ID: Collection Date:	10210A 5/25/95	10225A 5/26/95	10225B 5/26/95	12510 5/26/95	10210B 6/1/95	10210C 6/1/95	10225C 6/1/95	10135 6/1/95	TUBE BLANK 6/1/95
Semi-Volatiles	(µg/L)									
Unknown 10		-	-	-	-	•	-		-	-
Unknown 11		-	-	-	-	-	-	-	•	-
Unknown 12		-	-	-	-	-	3 J	-	50 J	-
Unknown 13		-	-	-	-	-	-	-	300 J	
Unknown 14		-	-	-	-	3 J	-	-	-	
Unknown 15		-	-	-	-	5 J	-	-	-	-
Unknown 16		-	-	-	3 J	-	-	-	4 0 J	-
Unknown 17		6 J	7 J	4 J	-	-	-	4 J	100 J	-
Unknown 18		-	-	-	4 J	-	-	-	200 J	
Unknown 19		-	-	-	-	-	-		40 J	-
Unknown 20		-	-	-	-	5 J		-	30 J	
Unknown 21		-	-	-	3 J	-	3 J	-	30 J	-
Unknown 22		-	-	3 J	-	-	-	-	-	-
Unknown 23		-	-	-	-	-	-	-	-	-
Unknown 24		-	-	-	-		-		-	-
Unknown 25		-	-	-	-	-	-	-	-	-
Unknown 26		-	-	-	4 J	10 J	-	-	-	-
Unknown 27		-	-	-	4 J	5 J	8 J	-	-	-
Unknown 28		-	-	-	-	-	-	-	-	-
Unknown 29		-	-	-	-	-	-	-	-	-
Unknown 30		-	-	-	-	10 J	-	-	•	-
Unknown 31		-	-	-	-	-	-	-	-	-
Unknown 32		-	-	-	-	-	-	-	-	-
Unknown 33		-	-	-	-	-	-	-	-	-
Unknown 34		-	-	-	-	10 J	-	•	-	-
Unknown 35		-	10 J	-	-	-	-	-	-	-
Unknown chlor	ophenol	-	-	-	-	-	-	-	2000 J	-
Vanillin	-	-	-	-	-	3 J	-	-	-	-

Notes:

•

•

J Associated value is estimated.

Page 10 of 10

APPENDIX B

WATER LEVEL MEASUREMENTS

.

.

QUARTERLY WATER LEVELS - APRIL 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1170A	А	584.68	21.70	562.98
1170B	В	584.56	22.97	561.59
1171A	Ā	583.37	17.88	565.49
1171B	В	583.63	20.64	562.99
1171C	C	583.26	21.00	562.26
1172A	A	581.73	15.31	566.42
11 72 B	В	581.78	12.40	569.38
11 72 C	С	581.77	12.61	569.16
1173A	А	578.14	9.65	568.49
1173B	В	578.36	8.81	569.55
1173C	С	578.45	7.13	571.32
1173D	D	578.60	7.15	571.45
1174A	Α	577.77	5.21	572.56
1174B	В	577.73	2.86	574.87
1174C	С	578.14	2.57	575.57
1174D	D	577.78	1.93	575.85
1180A	Α	582.59	19.07	563.52
1180B	В	582.47	20.98	561.49
1180C	С	583.27	DRY	NA
1181A	Α	576.81	9.21	567.60
1181B	В	577.15	9.76	567.39
1181C	С	577.07	7.10	569.97
1190A	Α	586.53	21.13	565.40
1190B	В	586.22	22.03	564.19
1191A	Α	584.91	17.90	567.01
1191B	В	584.90	18.80	566.10
1191 C	В	585.18	20.50	564.68
1192A	Α	583.43	19.10	564.33
1192B	В	583.46	14.64	568.82
1192C	С	583.85	13.71	570.14
1193A	Α	579.97	14.12	565.85
1193B	В	579.45	10.55	568.90
1193C	С	579.60	8.57	571.03
1193D	D	579.60	7.79	571.81
1194A	A	578.40	13.97	564.43
1194B	В	578.03	8.08	569.95
1194C	В	578.56	5.20	573.36
1194D	С	578.54	4.56	573.98

.

QUARTERLY WATER LEVELS - APRIL 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Rise r Elevation	Depth to Water	Water Level Elevation
1140A	В	583.50	19.14	564.36
1140B	А	583.50	18.80	564.70
1141A	В	581.70	15.27	566.43
1141B	А	581.90	15.15	566.75
11 42 A	C/D	579.70	DRY	NA
11 42 B	В	579.50	11.72	567.78
1142C	А	579.60	13.31	566.29
1143A	С	577.70	6.32	571.38
11 4 3B	С	577.20	5.81	571.39
1143C	В	576.70	7.00	569.70
1143D	Α	576.80	8.70	568.10
1144A	D/C	579.70	6.00	573.70
11 44 B	С	576.90	5.61	571.29
11 44 C	В	577.30	6.28	571.02
11 44 D	Α	577.20	7.41	569.79
1150A	А	579.80	12.50	567.30
1150B	В	578.08	11.60	566.48
1160A	А	584.20	19.70	564.50
1160C	С	583.50	13.20	570.30
1161A	А	582.30	17.50	564.80
1161B	В	582.61	16.02	566.59
1161C	С	582.50	13.69	568.81
1161D	D	582.20	16.68	565.52
1161E	В	583.81	18.40	565.41
1162A		581.35	* 11.18	570.17
1162C		581.60	* 14.64	566.96
1162D		582.14	* 11.65	570.49
1163A	А	581.40	12.40	569.00
1163B	В	581.20	11.35	569.85
1163C	С	581.30	10.85	570.45
1163D	D	581.20	11.79	569.41
1165A	Α	589.40	18.34	571.06
1165B	В	592.20	17.02	575.18
1165C	С	592.40	18.89	573.51
1165D	D	589.90	BLOCKED	NA
101 7 6A	Α	573.60	9.95	563.65
101 7 6B	В	573.60	8.65	564.95
10176C	С	573.60	7.34	566.26
101 7 6D	D	573.60	7.80	565.80
10276			12.80	NA
1151A	А	578.06	8.00	570.06

ŧ

QUARTERLY WATER LEVELS - APRIL 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1151B	В	578.08	10.10	567.98
1151C	С	578.27	8.87	569.40
1151D	D	578.36	8.24	570.12
1153A	А	577.46	8.34	569.12
1153B	В	576.67	8.02	568.65
1153C	С	577.68	8.30	569.38
1153D	D	577.31	8.00	569.31
1153E	D	576.80	7.46	569.34
1154A	Α	572.87	4.68	568.19
1154B	В	573.93	5.54	568.39
1154C	С	574.03	4.98	569.05
1154D	D	573.81	4.82	568.99
1183A	Α	576.62	11.48	565.14
1183B	В	576.54	10.96	565.58
1183C	С	577.33	9.52	567.81
1183D	D	576.91	9.65	567.26
1184A	Α	575.08	10.80	564.28
1184B	В	575.54	9.90	565.64
1184C	C	575.08	7.25	567.83
1184D	D	574.95	6.60	568.35
6209			13.92	NA
5222			12.95	NA
3251			12.10	NA
8210		576.83	12.19	564.64
9502		577.66	13.22	564.44

* Top of riser elevations are not confirmed.

Except as noted above:

Monitored Zone = A Glacial Till

- B Soft Clay
- C Fractured Clay
- D Silty Sand/Fill

QUARTERLY WATER LEVELS - JUNE 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1170A	А	584.68	23.61	561.07
1170B	В	584.56	24.57	559.99
1171A	Ā	583.37	19.70	563.67
1171B	В	583.63	22.63	561.00
1171C	С	583.26	22.76	560.50
1172A	А	581.73	16.83	564.90
1172B	В	581.78	13.88	567.90
11 72 C	С	581.77	13.17	568.60
1173A	А	578.14	11.30	566.84
1173B	В	578.36	10.80	567.56
1173C	С	578.45	8.72	569.73
11 7 3D	D	578.60	8.83	569.77
1174A	А	577.77	6.74	571.03
11 74 B	В	577.73	5.09	572.64
1174C	С	578.14	4.00	574.14
1174D	D	577.78	3.76	574.02
1180A	Α	582.59	20.70	561.89
1180B	В	582.47	22.45	560.02
1180C	С	583.27	DRY	NA
1181A	Α	576.81	11.10	565.71
1181B	В	577.15	11.60	565.55
1181C	С	577.07	9.27	567.80
1190A	Α	586.53	24.50	562.03
1190B	В	586.22	25.02	561.20
1191A	Α	584.91	19.02	565.89
1191B	В	584.90	22.13	562.77
1191 C	В	585.18	22.27	562.91
1192A	А	583.43	20.50	562.93
1192B	В	583.46	16.03	567.43
1192C	С	583.85	15.20	568.65
1193A	A	579.97	15.66	564.31
1193B	В	579.45	12.10	567.35
1193C	С	579.60	10.20	569.40
1193D	D	579.60	6.60	573.00
1194A	A	578.40	15.37	563.03
1194B	В	578.03	10.70	567.33
1194C	В	578.56	8.60	569.96
1194D	С	578.54	7.90	570.64

, **,** ,

QUARTERLY WATER LEVELS - JUNE 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1140A	В	583.50	20.38	563.12
1140B	Α	583.50	20.36	563.14
1141A	В	581.70	16.64	565.06
1141B	Α	581.90	16.20	565.70
11 42A	C/D	579.70	DRY	NA
11 42 B	В	579.50	12.04	567.46
11 42 C	Α	579.60	13.68	565.92
11 4 3A	С	577.70	7.04	570.66
11 4 3B	С	577.20	6.52	570.68
1143C	В	576.70	7.46	569.24
1143D	Α	576.80	9.11	567.69
1144A	D/C	579.70	6.90	572.80
11 44 B	С	576.90	6.40	570.50
11 44 C	В	577.30	7.30	570.00
1144D	А	577.20	7.98	569.22
1150A	А	579.80	12.95	566.85
1150B	В	578.08	11.52	566.56
1160A	Α	584.20	21.25	562.95
1160C	С	583.50	18.10	565.40
1161A	Α	582.30	18.02	564.28
1161B	В	582.60	17.65	564.95
1161C	С	582.50	14.95	567.55
1161D	D	582.20	13.90	568.30
1161E	В	583.80	19.92	563.88
1162A		581.35	• 16.50	564.85
1162 C		581.60	• 12.51	569.09
1162D		582.14	• 13.35	568.79
1163A	Α	581.40	14.41	566.99
1163B	В	581.20	12.54	568.66
1163C	С	581.30	12.14	569.16
1163D	D	581.20	13.29	567.91
1165A	Α	589.40	20.08	569.32
1165B	В	592.20	20.80	571.40
1165C	С	592.40	20.69	571.71
1165D	D	589.90	18.45	571.45
10176A	Α	573.60	10.57	563.03
10176B	В	573.60	9.47	564.13
10176C	С	573.60	8.49	565.11
10176D	D	573.60	8.28	565.32
10276			13.06	NA
1151A	А	578.06	9.58	568.48

• ``

QUARTERLY WATER LEVELS - JUNE 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1151B	В	578.08	10.28	567.80
1151C	С	578.27	9.26	569.01
1151D	D	578.36	9.13	569.23
1153A	А	577.46	8.42	569.04
1153B	В	576.67	8.60	568.07
1153C	С	577.68	8.55	569.13
1153D	D	577.31	8.15	569.16
1153E	D	576.80	7.68	569.12
1154A	Α	572.87	5.32	567.55
1154B	В	573.93	5.96	567.97
1154C	С	574.03	5.66	568.37
1154D	D	573.81	5.13	568.68
1183A	Α	576.62	11.80	564.82
1183B	В	576.54	11.40	565.14
1183C	С	577.33	10.11	567.22
1183D	D	576.91	9.65	567.26
1184A	А	575.08	11.10	563.98
1184B	В	575.54	10.55	564.99
1184C	С	575.08	10.58	564.50
1184D	D	574.95	DRY	NA
6209			14.13	NA
5222			13.10	NA
3251			12.70	NA
8210		576.83	12.33	564.50
9502		577.66	13.32	564.34

* Top of riser elevations are not confirmed.

Except as noted above:

Monitored Zone = A Glacial Till

B Soft Clay

C Fractured Clay

D Silty Sand/Fill

QUARTERLY WATER LEVELS - NOVEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Rise r Elevation	Depth to Wate r	Water Level Elevation
1170A	А	584.68	22.34	562.34
1170B	В	584.56	22.93	561.63
1171A	A	583.37	18.42	564.95
1171B	В	583.63	21.10	562.53
1171C	C	583.26	21.48	561.78
1172A	A	581.73	15.74	565.99
11 7 2B	В	581.78	13.18	568.60
11 72 C	C	581.77	13.09	568.68
1173A	A	578.14	10.10	568.04
1173B	В	578.36	9.05	569.31
1173C	С	578.45	7.96	570.49
11 7 3D	D	578.60	7.61	570.99
1174A	А	577.77	4.30	573.47
1174B	В	577.73	2.90	574.83
1174C	С	578.14	2.32	575.82
1174D	D	577.78	1.52	576.26
1180A	Α	582.59	19.60	562.99
1180B	В	582.47	21.05	561.42
1180C	С	583.27	DRY	NA
1181A	Α	576.81	9.33	567.48
1181B	В	577.15	9.10	568.05
1181C	С	577.07	7.18	569.89
1190A	Α	586.53	13.32	573.21
1190B	В	586.22	22.36	563.86
1191A	Α	584.91	18.47	566.44
1191B	В	584.90	19.12	565.78
1191C	В	585.18	20.73	564.45
1192A	Α	583.43	18.96	564.47
1192B	В	583.46	15.58	567.88
1192C	С	583.85	14.20	569.65
1193A	Α	579.97	14.58	565.39
1193B	В	579.45	11.30	568.15
1193C	С	579.60	6.58	573.02
1193D	D	579.60	9.21	570.39
1194A	A	578.40	14.40	564.00
1194B	В	578.03	9.20	568.83
1194C	В	578.56	4.38	574.18
1194D	С	578.54	6.49	572.05

•

QUARTERLY WATER LEVELS - NOVEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Rise r Elevation	Depth to Water	Water Level Elevation
1140A	В	583.50	18.85	564.65
1140B	Α	583.50	18.50	565.00
1141A	В	581.70	15.30	566.40
1141B	Α	581.90	15.05	566.85
11 42 A	C/D	579.70	DRY	NA
11 42 B	В	579.50	12.06	567.44
11 42C	Α	579.60	13.87	565.73
1143A	С	577.70	7.23	570.47
1143B	С	577.20	7.22	569.98
1143C	В	576.70	7.80	568.90
1143D	Α	576.80	9.36	567.44
1144A	D/C	579.70	6.52	573.18
1144B	С	576.90	6.17	570.73
1144C	В	577.30	7.45	569.85
1144D	А	577.20	9.79	567.41
1150A	Α	579.80	20.00	559.80
1150B	В	578.08	10.78	567.30
1160A	Α	584.20	18.50	565.70
1160C	С	583.50	17.70	565.80
1161A	Α	582.30	18.57	563.73
1161B	В	582.61	15.95	566.66
1161C	С	582.50	13.86	568.64
1161D	D	582.20	13.22	568.98
1161E	В	583.81	18.41	565.40
1162A		581.35 *	14.78	566.57
1162C		581.60 *	11.45	570.15
1162D		582.14 *	12.20	569.94
1163A	Α	581.40	12.41	568.99
1163B	В	581.20	11.58	569.62
1163C	С	581.30	11.37	569.93
1163D	D	581.20	DRY	NA
1165A	Α	589.40	18.81	570.59
1165B	В	592.20	19.44	572.76
1165C	С	592.40	19.40	573.00
1165D	D	589.90	17.29	572.61
10176A	Α	573.60	11.00	562.60
10176B	В	573.60	9.55	564.05
10176C	С	573.60	6.73	566.87
10176D	D	573.60	6.53	567.07
10276				NA
1151A	Α	578.06	8.82	569.24

QUARTERLY WATER LEVELS - NOVEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Wate r Level Elevation
1151B	В	578.08	10.84	567.24
1151C	С	578.27	10.72	567.55
1151D	D	578.36	8.43	569.93
1153A	Α	577.46	7.63	569.83
1153B	В	576.67	7.93	568.74
1153C	С	577.68	7.98	569.70
1153D	D	577.31	8.79	568.52
1153E	D	576.80	8.40	568.40
1154A	Α	572.87	6.24	566.63
1154B	В	573.93	6.43	567.50
1154C	С	574.03	6.47	567.56
1154D	D	573.81	6.20	567.61
1183A	Α	576.62	11.97	564.65
1183B	В	576.54	11.99	564.55
1183C	С	577.33	10.32	567.01
1183D	D	576.91	10.68	566.23
1184A	Α	575.08	11.78	563.30
1184B	В	575.54	11.45	564.09
1184C	С	575.08	DRY	NA
1184D	D	574.95	DRY	NA
6209			14.80	NA
5222			13.68	NA
3251			DECOMMISSIONED	NA
8210		576.83	12.94	563.89
9502		577.66	13.97	563.69

* Top of riser elevations are not confirmed.

Except as noted above:

Monitored Zone =	Α	Glacial Till
	В	Soft Clay
	С	Fractured Clay
	D	Silty Sand/Fill

QUARTERLY WATER LEVELS - DECEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1170A	А	584.68	22.30	562.38
1170B	В	584.56	23.78	560.78
1171A	А	583.37	19.32	564.05
1171B	В	583.63	22.00	561.63
1171C	С	583.26	22.30	560.96
1172A	А	581.73	16.84	564.89
11 72 B	В	581.78	13.98	567.80
1172C	С	581.77	13.18	568.59
1173A	Α	578.14	10.47	567.67
1173B	В	578.36	9.68	568.68
1173C	С	578.45	8.55	569.90
1173D	D	578.60	8.17	570.43
11 74 A	А	577.77	5.30	572.47
1174B	В	577.73	3.37	574.36
1174C	С	578.14	3.27	574.87
1174D	D	577.78	2.68	575.10
1180A	А	582.59	20.52	562.07
1180B	В	582.47	22.32	560.15
1180C	С	583.27	DRY	NA
1181A	А	576.81	9.08	567.73
1181B	В	577.15	10.40	566.75
1181C	С	577.07	7.87	569.20
1190A	А	586.53	14.60	571.93
1190B	В	586.22	22.62	563.60
1191A	Α	584.91	19.86	565.05
1191B	В	584.90	20.30	564.60
1191C	В	585.18	21.70	563.48
1192A	Α	583.43	19.80	563.63
1192B	В	583.46	16.12	567.34
1192C	С	583.85	15.52	568.33
1193A	A	579.97	15.21	564.76
1193B	В	579.45	11.99	567.46
1193C	С	579.60	10.57	569.03
1193D	D	579.60	9.58	570.02
1194A	A	578.40	15.40	563.00
1194B	B	578.03	9.16	568.87
1194C	B	578.56	5.00	573.56
1194D	С	578.54	6.30	572.24

QUARTERLY WATER LEVELS - DECEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1140A	В	583.50	19.86	563.64
1140B	Α	583.50	19.42	564.08
1141A	В	581.70	16.54	565.16
1141B	А	581.90	16.40	565.50
11 42 A	C/D	579.70	DRY	NA
11 42 B	В	579.50	12.85	566.65
11 42 C	Α	579.60	15.10	564.50
1143A	С	577.70	7.35	570.35
1143B	С	577.20	7.29	569.91
1143C	В	576.70	7.96	568.74
1143D	Α	576.80	10.06	566.74
11 44 A	D/C	579.70	6.23	573.47
11 44 B	С	576.90	5.98	570.92
11 44 C	В	577.30	6.75	570.55
1144D	Α	577.20	9.55	567.65
1150A	Α	579.80	DECOMMISSIONED	NA
1150B	В	578.08	DECOMMISSIONED	NA
1160A	Α	584.20	18.40	565.80
1160C	С	583.50	17.73	565.77
1161A	Α	582.30	17.40	564.90
1161B	. B	582.61	16.90	565.71
1161C	С	582.50	15.10	567.40
1161D	D	582.20	14.08	568.12
1161E	В	583.81	19.30	564.51
1162A		581.35	* 15.64	565.71
1162C		581.60	* 12.50	569.10
1162D		582.14	* 13.56	568.58
1163A	Α	581.40	13.37	568.03
1163B	В	581.20	11.55	569.65
1163C	С	581.30	12.78	568.52
1163D	D	581.20	DRY	NA
1165A	Α	589.40	19.45	569.95
1165B	В	592.20	20.37	571.83
1165C	С	592.40	20.16	572.24
1165D	D	589.90	18.02	NA
101 7 6A	Α	573.60	9.83	563.77
10176B	В	573.60	8.03	565.57
10176C	С	573.60	5.48	568.12
10176D	D	573.60	5.23	568.37
10276			12.75	NA
1151A	Α	578.06	7.23	570.83

QUARTERLY WATER LEVELS - DECEMBER 1995 LOVE CANAL OCCIDENTAL CHEMICAL CORPORATION

Well/Piezometer Identification #	Monitored Zone	Top of Riser Elevation	Depth to Water	Water Level Elevation
1151B	В	578.08	9.33	568.75
1151C	С	578.27	8.84	569.43
1151D	D	578.36	7.37	570.99
1153A	А	577.46	6.68	570.78
1153B	В	576.67	6.87	569.80
1153C	С	577.68	6.85	570.83
1153D	D	577.31	7.84	569.47
1153E	D	576.80	7.38	569.42
1154A	Α	572.87	5.10	567.77
1154B	В	573.93	5.28	568.65
1154C	С	574.03	5.37	568.66
1154D	D	573.81	5.11	568.70
1183A	Α	576.62	10.80	565.82
1183B	В	576.54	10.52	566.02
1183C	С	577.33	9.23	568.10
1183D	D	576.91	9.67	567.24
1184A	Α	575.08	10.70	564.38
1184B	В	575.54	9.95	565.59
1184C	С	575.08	DRY	NA
1184D	D	574.95	5.13	569.82
6209			14.04	NA
5222			12.65	NA
3251			DECOMMISSIONED	NA
8210		576.83	11.92	564.91
9502		577.66	12.97	564.69

* Top of riser elevations are not confirmed.

Except as noted above:

Monitored Zone =	Α	Glacial Till
	В	Soft Clay
	С	Fractured Clay
	D	Silty Sand/Fill
