Occidental Chemical Corporation

1996 MONITORING REPORT

Love Canal
Occidental Chemical Corporation
Niagara Falls, New York

Ben please review. 2/25

GLENN SPRINGS HOLDINGS, INC.

1795 Baseline Road Grand Island, NY 14072-2010

Subsidiary of Occidental Petroleum Corporation

Gene Dworzanski
WNY Office

Telephone (716)773-8303
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February 24, 1997

Gerald J. Rider, P.E.
Chief, Operation, Maintenance and Support Section
Bureau of Hazardous Site Control
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233-0001

Re: Love Canal 1996 Annual Report

Dear Mr. Rider:

Enclosed are three (3) copies of:

- Love Canal 1996 Annual Operation and Maintenance Report; and
- Love Canal 1996 Monitoring Report.

The 1996 Monitoring Report incorporates OxyChem's responses dated September 6, 1996 to New York State Department of Environmental Conservation comments received July 31, 1996 on the 1995 Monitoring Report.

If you have any questions please do not hesitate to call me at 716-773-8303.

Very truly yours,

Klaus Schmidtke

for Gene Dworzanski
Program Manager

GD/csm/2

Occidental Chemical Corporation

1996 MONITORING REPORT

Love Canal
Occidental Chemical Corporation
Niagara Falls, New York

FEBRUARY 1997
REF. NO. 6440 (4)
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CONESTOGA-ROVERS & ASSOCIATES

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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 second annual report prepared by OxyChem and covers the activities for 1996.

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 normal maintenance, in the operation of the system. No carbon change-outs were performed by OxyChem in 1996. The total volume of groundwater from the Site treated at the Love Canal Leachate Treatment Facility was 4,434,710 gallons for an average monthly volume of 369,560 gallons (Table 1.1). The 1996 average monthly and total treated volumes are significantly greater than in 1995 (274,340 and 3,292,085 gallons, respectively). It is believed that the increased groundwater volume was a consequence of the larger than average rainfall in April, May, June and September of 1996 (5.6, 4.1, 5.2 and 7.5 inches respectively compared to averages of 2.9, 3.1, 3.6 and 3.5 inches respectively), which increased infiltration into the shallow overburden groundwater system.

The 1996 chemical sampling event was performed over a 4-week period from June 6 to July 5, 1996 in which 35 wells were sampled and analyzed for Site-specific parameters. Figure 1.1 shows the wells sampled and Table 1.2 presents a summary of the number and location of compounds detected at or above detection limits. Thirteen volatile organic compounds (VOCs), three semi-VOCs and four pesticides were detected in total. The majority of these compounds (twelve VOCs, one semi-VOC and four pesticides) were detected in well 10135, which historically has the highest number and concentration of compounds (Table 1.3). Table 1.3 presents a summary of detected compounds in selected wells from 1990 to 1996. Table 1.3 shows that the compounds which were detected in 1996 were at similar concentrations to those compounds detected in 1995.

Table 1.3 shows that the compounds which were detected in 1996 were at similar concentrations to those compounds detected in 1995.

The chemical results and QA/QC evaluation are presented in Appendix A. The QA/QC review showed all sample results were acceptable with the exception of one 2-chloroethylvinylether result and three hexachlorocyclopentadiene results, which were rejected due to poor instrument sensitivity.

Water levels were measured at six nested piezometer strings in January, May, July 1996. Figures 1.2 to 1.7 show the overburden groundwater flow conditions for July 1996 along the six piezometer strings. The water levels are presented in Appendix B.

The 1996 groundwater levels and flow nets show that groundwater flow was toward the barrier drain. The barrier drain is drawing in groundwater from outside the drain and successfully capturing horizontal groundwater flow from the Site. As in previous Long-Term Monitoring events which were performed by the NYSDEC, there was minimal detection of chemicals in the wells sampled in 1996. Detected chemicals were at low levels and do not indicate a failure in the barrier drain or pose an immediate threat to groundwater quality. The source of the phthalate detected in the de-ionized water field blank was likely the food-grade vinyl tubing. The 1996 chemical analytical results are consistent with previous Long-Term Monitoring analytical results. Therefore, the 1996 results show that there was 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.

2.0 OTHER MAJOR ACTIVITIES

A summary of other activities performed in 1996 are listed in Table 2.1. A brief description of select major activities is presented below.

The NYSDEC completed decommissioning of 115 wells at the Love Canal Site. The well parts were drummed and transported to the OxyChem Buffalo Avenue Plant for temporary storage pending appropriate disposal. Decommissioning details are presented in the NYSDEC report entitled "NPL Well Decommissioning Project Report for the Love Canal and the Suffern Village Wellfield" dated September 1996.

Monitoring well 8135 was installed May 8, 1996 to replace monitoring well 4108 which had been decommissioned by the NYSDEC.

The Dewatering Containment Facility (DCF) was excavated and the DCF materials placed at the 102nd Street Landfill Site.

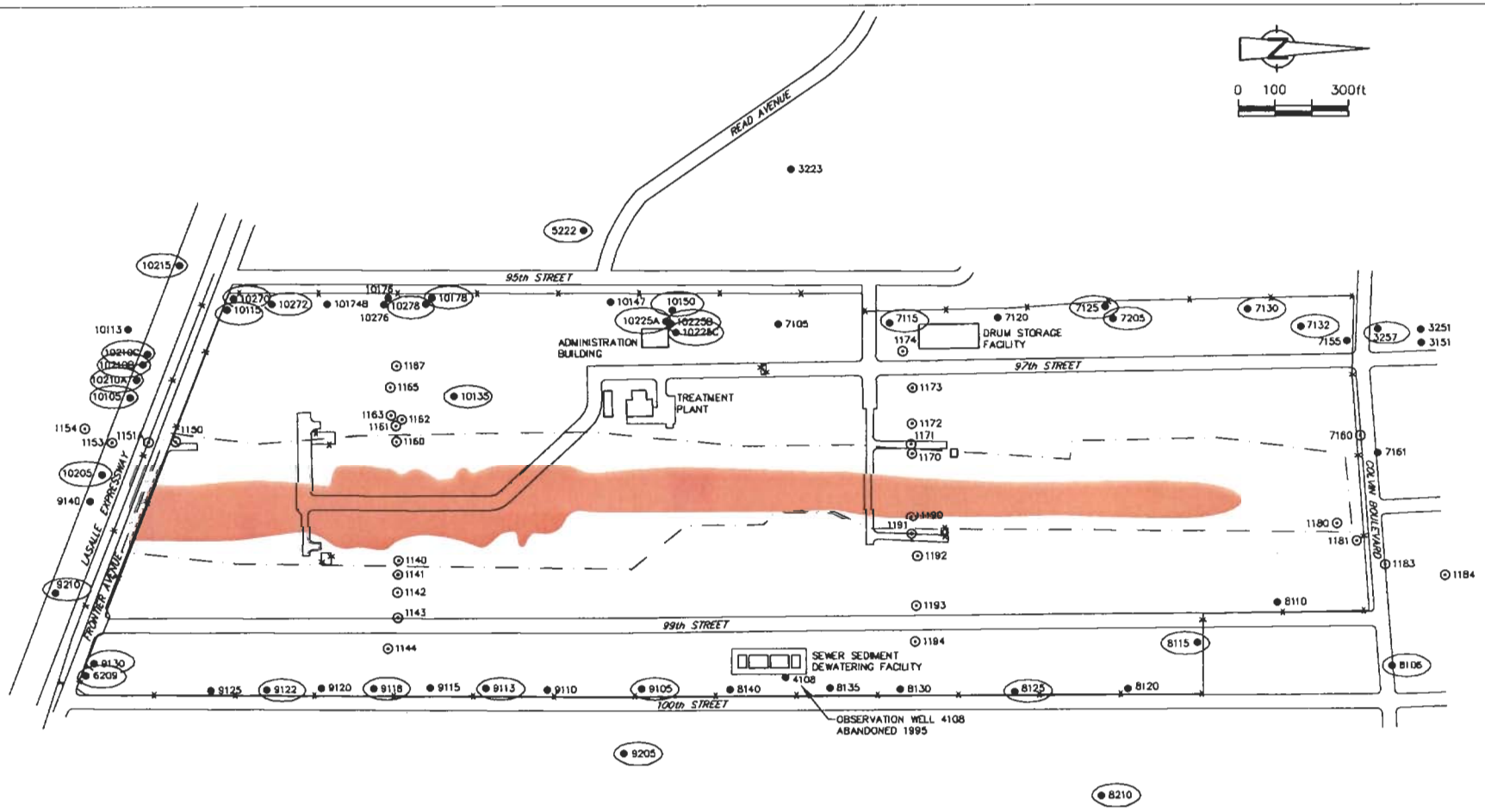

figure 1.1

1996 GROUNDWATER SAMPLE COLLECTION PROGRAM
LOVE CANAL
Occidental Chemical Corporation

CRA

6440 (4) FEB 24/97(W) REV.0 (P-06)

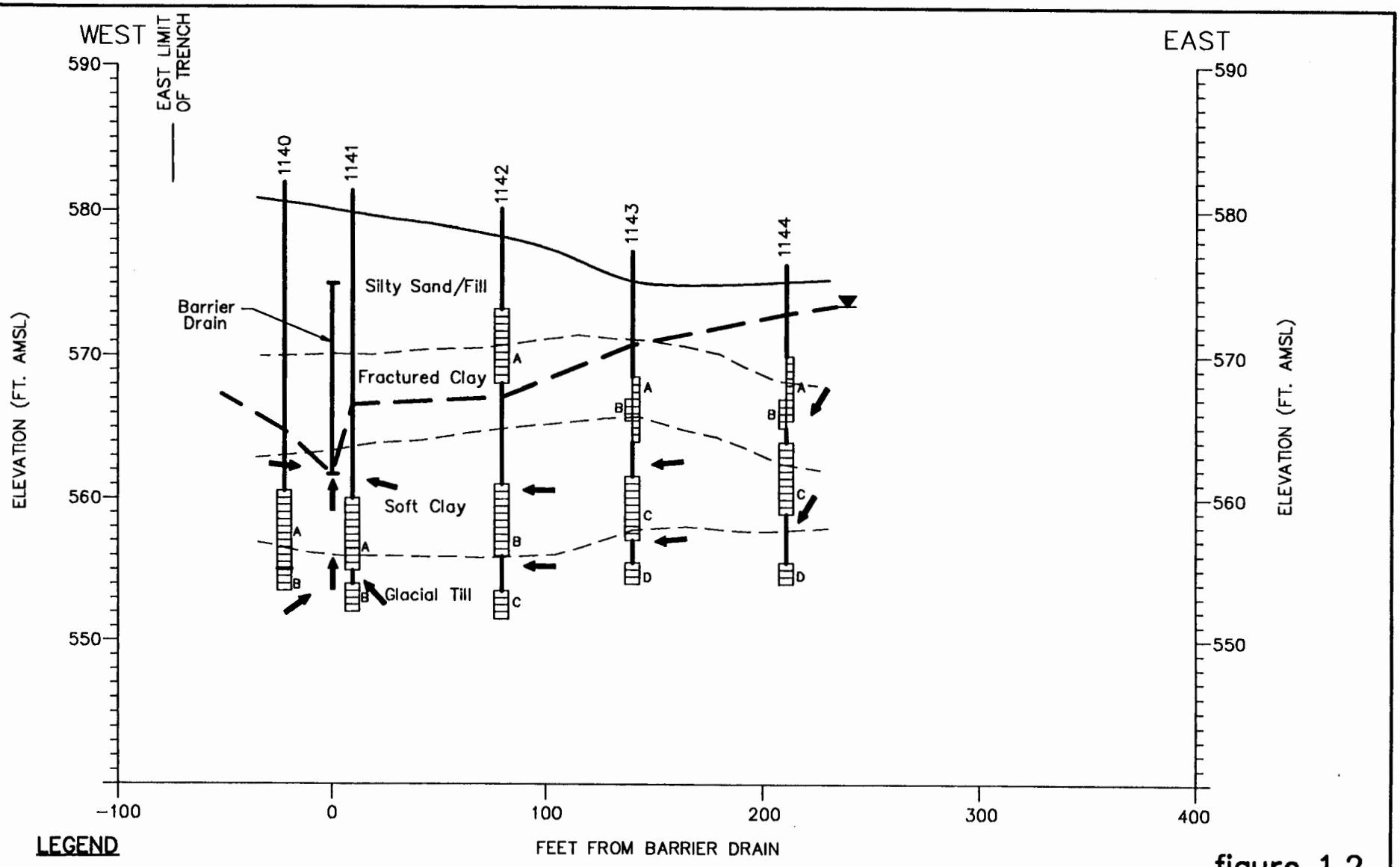

figure 1.2

JULY 1996 FLOW DIAGRAM
1140 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

CRA

6440 (4) JAN 22/97(W) REV.0 (X-13)

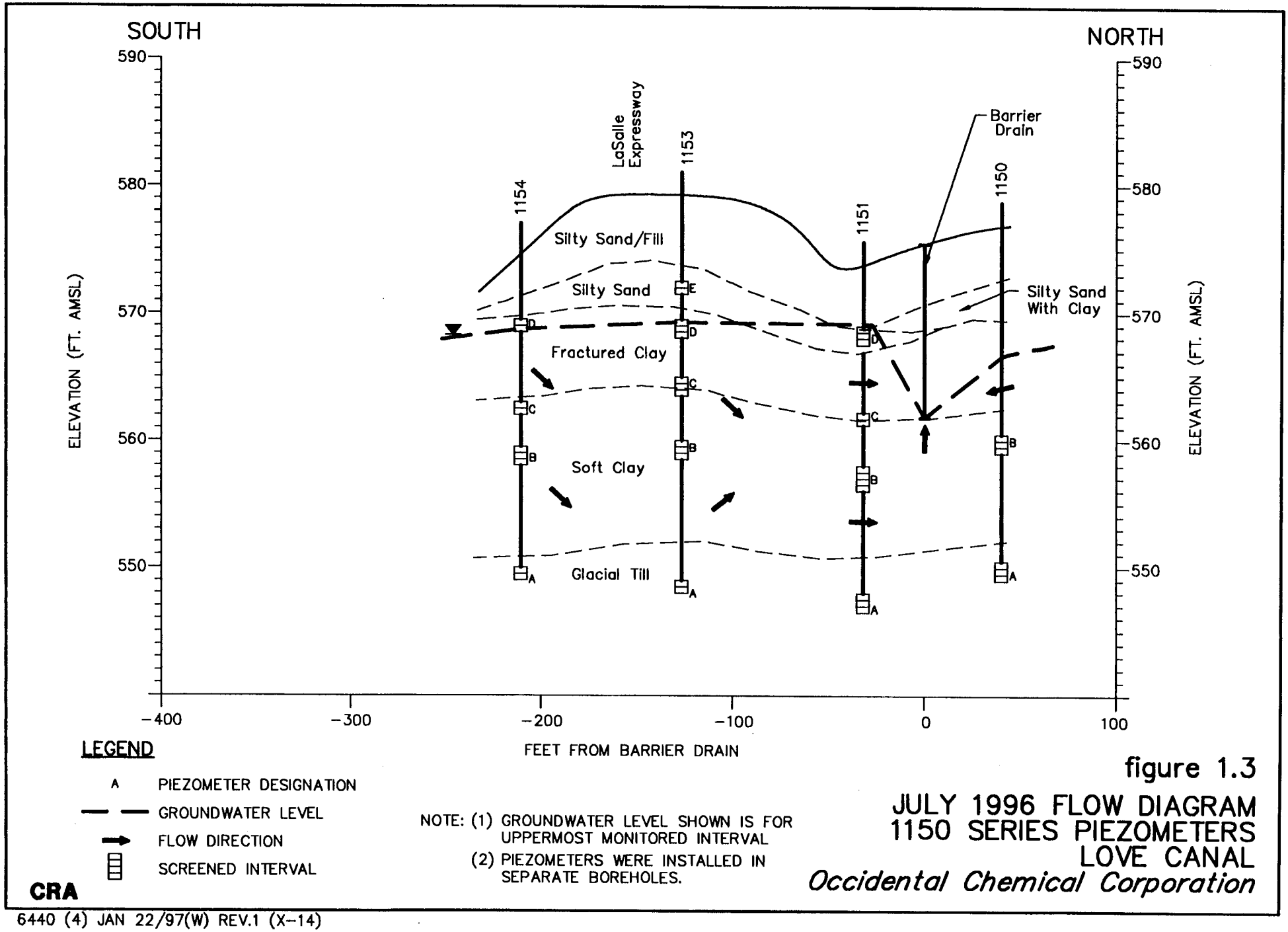

figure 1.3

JULY 1996 FLOW DIAGRAM
1150 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

CRA

6440 (4) JAN 22/97(W) REV.1 (X-14)

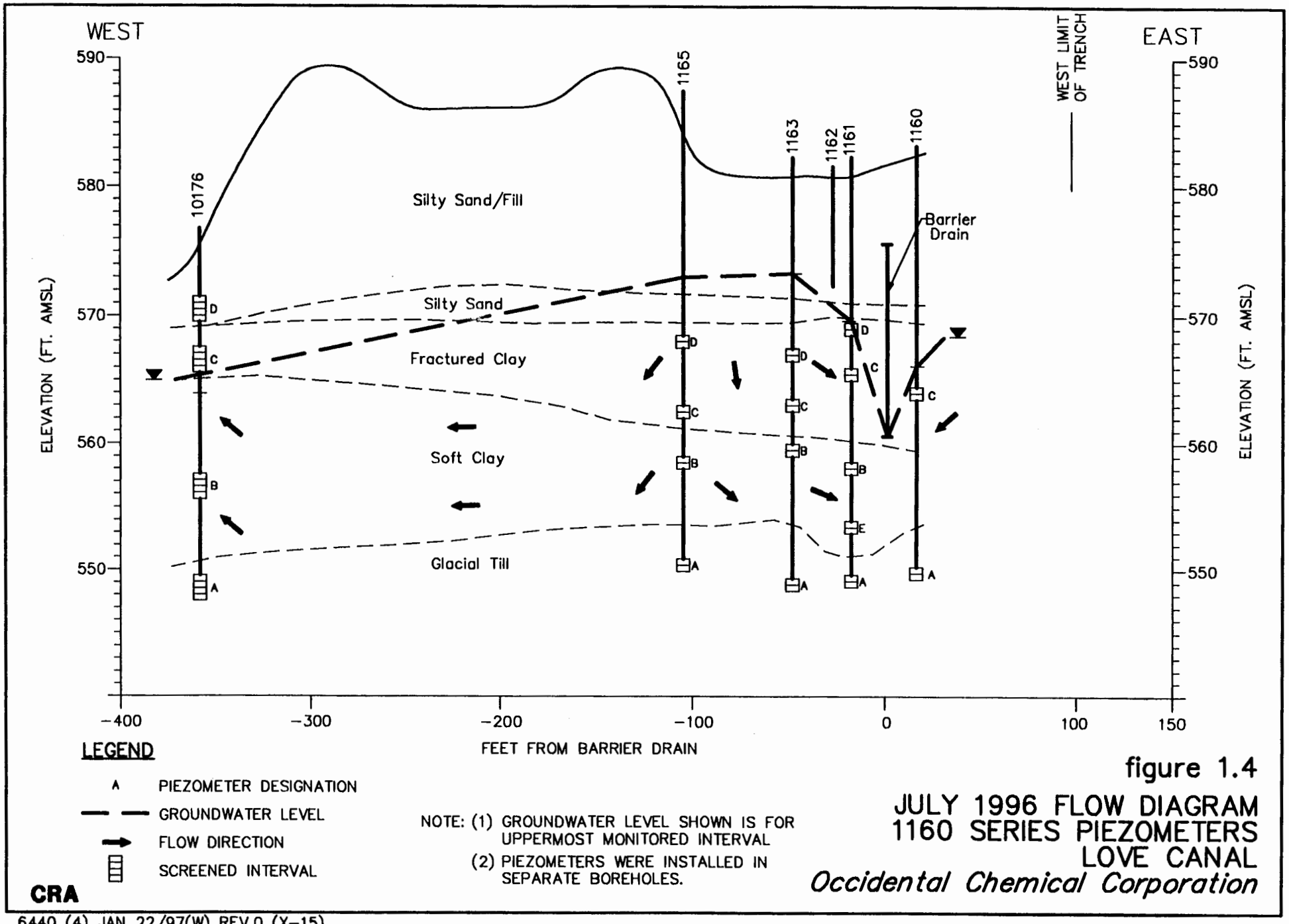

figure 1.4

JULY 1996 FLOW DIAGRAM
1160 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

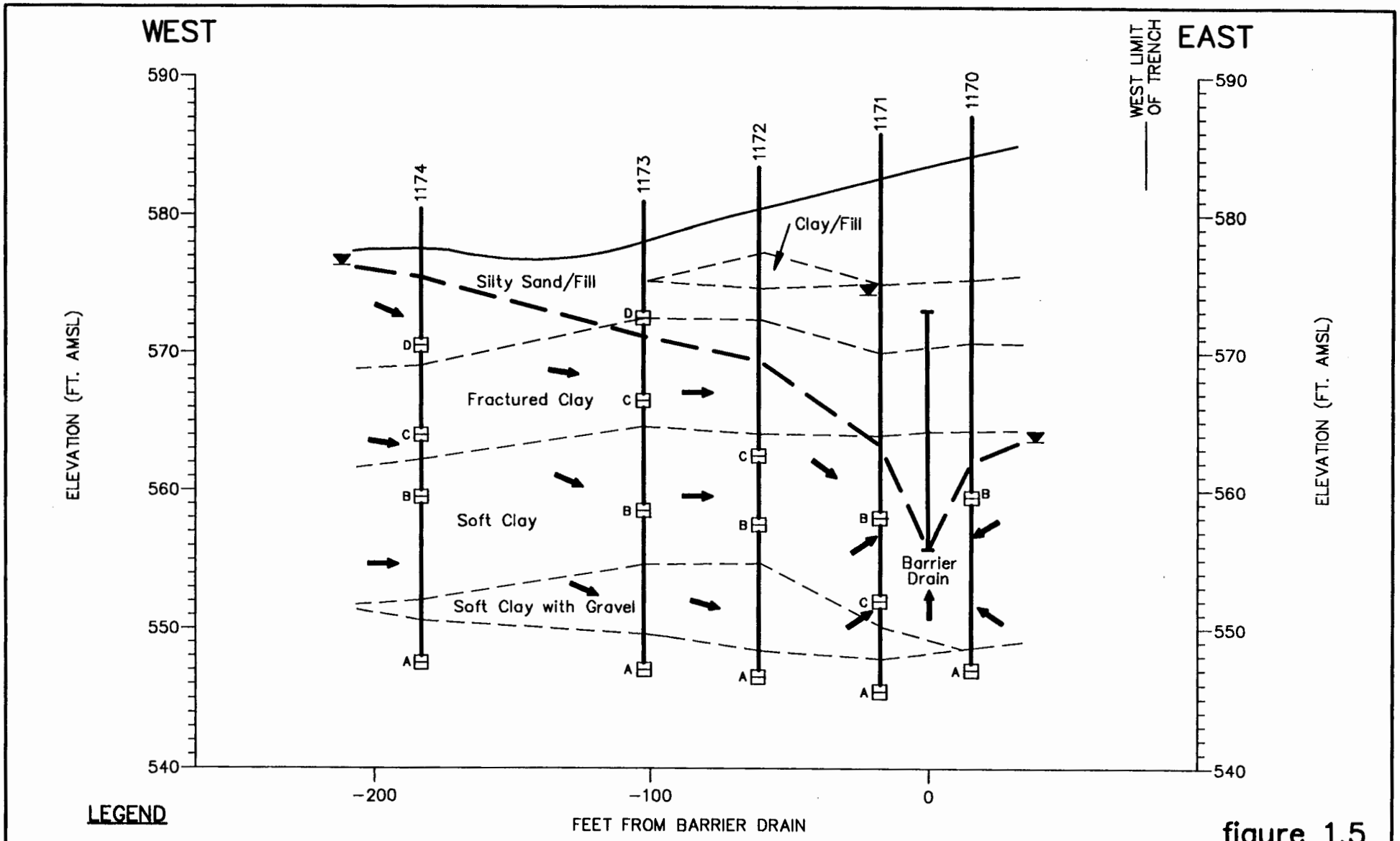

figure 1.5

JULY 1996 FLOW DIAGRAM
1170 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

CRA

6440 (4) JAN 22/97(W) REV.0 (X-16)

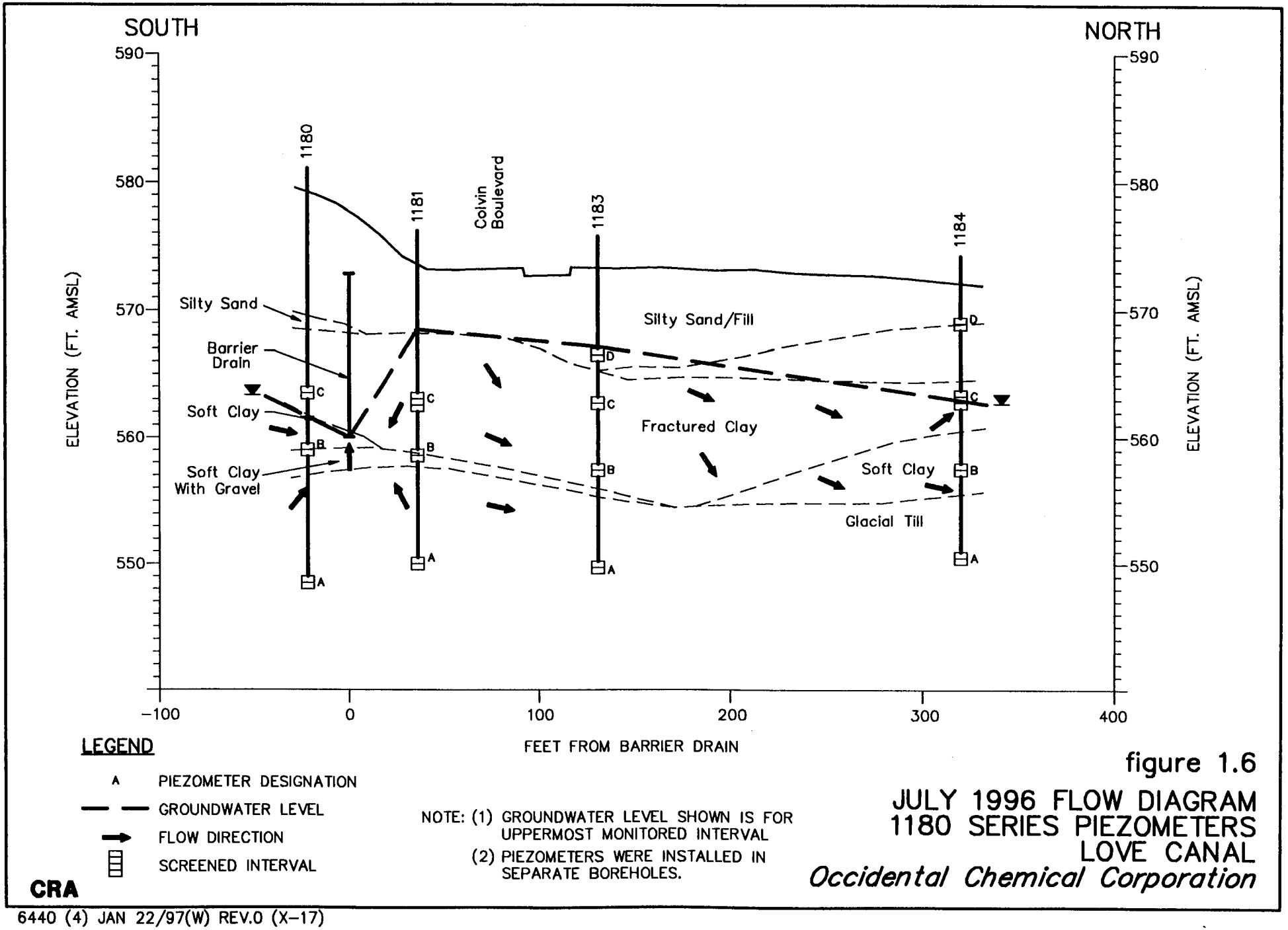

figure 1.6

JULY 1996 FLOW DIAGRAM
1180 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

6440 (4) JAN 22/97(W) REV.0 (X-17)

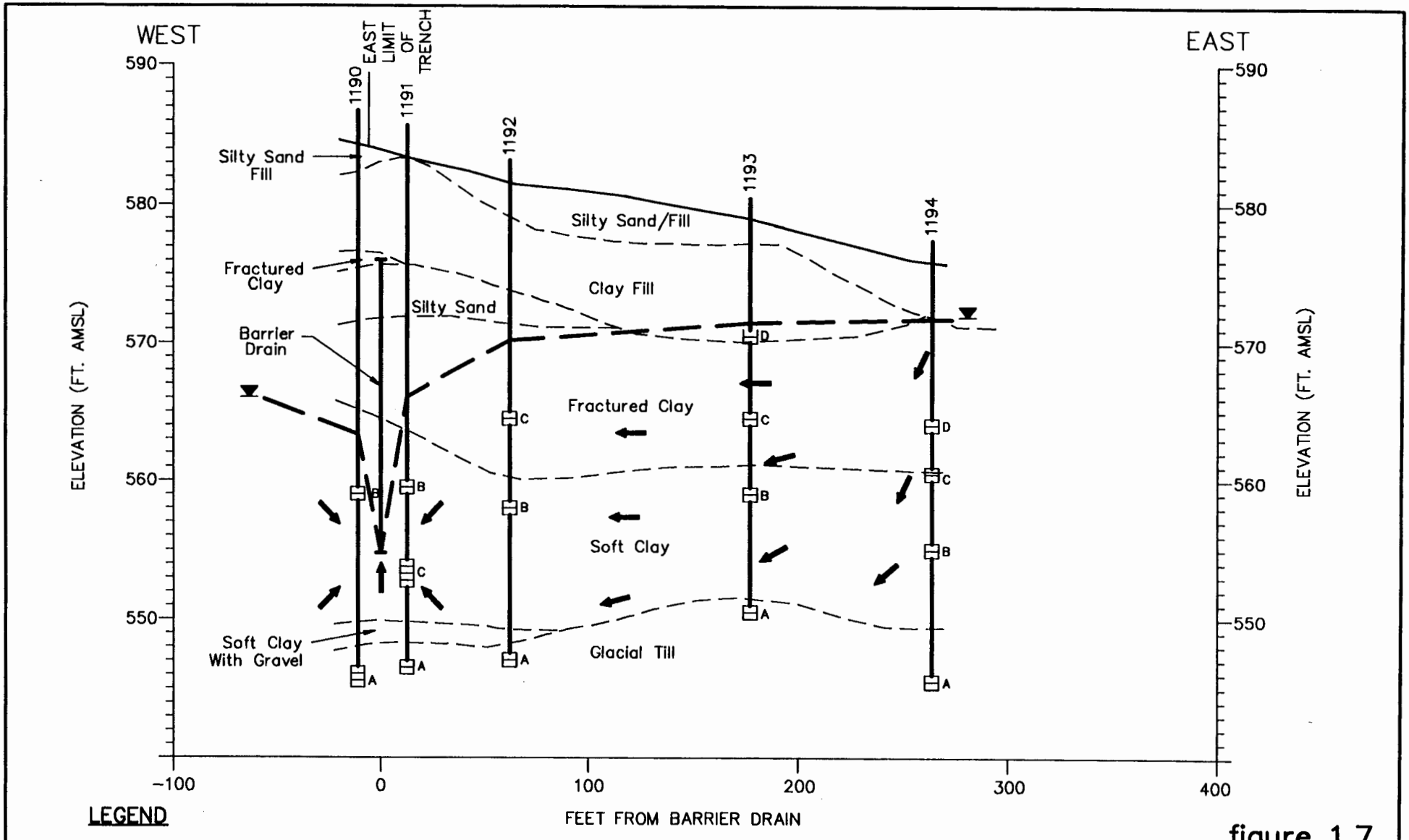

figure 1.7

JULY 1996 FLOW DIAGRAM
1190 SERIES PIEZOMETERS
LOVE CANAL
Occidental Chemical Corporation

CRA

6440 (4) JAN 22/97(W) REV.0 (X-18)

TABLE 1.1

MONTHLY VOLUMES OF GROUNDWATER TREATED
LOVE CANAL LEACHATE TREATMENT FACILITY
OCCIDENTAL CHEMICAL CORPORATION

Month	*Volume (gal)*	
	1995	*1996*
January	597,650	474,330
February	202,235	252,450
March	385,910	331,690
April	132,790	615,350
May	123,140	513,310
June	125,300	251,400
July	132,400	113,300
August	112,910	146,700
September	111,200	310,550
October	491,440	532,360
November	641,210	393,730
December	235,900	499,540
Total	3,292,085	4,434,710
Monthly Average	274,340	369,560

TABLE 1.2

SUMMARY OF DETECTED COMPOUNDS
1996 LONG-TERM MONITORING PROGRAM
LOVE CANAL
OCCIDENTAL CHEMICAL CORPORATION

	VOCs	*SVOCs*	*Pesticides/PCBs*
Overburden Wells			
7115	ND	ND	ND
7125	ND	ND	ND
7130	ND	ND	ND
7132	ND	ND	ND
8106	ND	ND	ND
8115	ND	ND	ND
8125	ND	ND	ND
9105	ND/ND	ND/ND	ND/ND
9113	ND	ND	ND
9118	ND	ND	ND
9122	ND	ND	ND
9130	ND	ND	ND
10105	ND	ND	ND
10115	ND	ND	ND
10135	12	1	4
10150	ND/ND	ND/ND	ND/ND
10178	ND	ND	ND
Bedrock Wells			
3257	ND	ND	ND
5222	ND/ND	ND/ND	ND/ND
6209	ND	ND	ND
7205	ND	ND	ND
8210	ND	ND	ND
9205	ND	ND	ND
9210	ND	ND	ND
10205	ND	ND	ND
10210A	1	ND	ND
10210B	ND	ND	ND
10210C	ND	1	ND
10215	ND/ND	ND/ND	ND/ND
10225A	ND	ND	ND
10225B	ND	ND	ND
10225C	ND	ND	ND
10270	ND	ND	ND
10272	ND	ND	ND
10278	ND	1	ND
Total Number of Detections	**13**	**3**	**4**

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

TABLE 1.3

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 to 1996
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

Well Number:	*10210A*						*10210B*						
Sample Date:	*7/24/90*	*8/22/91*	*8/26/92*	*8/11/93*	*5/25/95*	*7/1/96*	*7/24/90*	*8/22/91*	*8/26/92*	*8/11/93*	*6/15/94*	*6/1/95*	*7/5/96*
Volatiles (ug/L)													
Vinyl Chloride													
Methylene Chloride													
Acetone	14C			13B					31		12B	23	
Toluene													
1,1-Dichloroethane													
1,2-Dichloroethene (total)													
Carbon Disulfide					20	310							
2-Butanone													
Chloroform													
Trichloroethene													
1,1,2-Trichloroethane													
Benzene													
Chlorobenzene													
Xylene (total)													
1,1,2,2-Tetrachloroethane													
Vinyl Acetate													
Ethylbenzene													
Semi-volatiles (ug/L)													
Pentachlorophenol													
Phenol								3					
bis(2-Ethylhexyl)Phthalate		12	21	31	51		7B	13		11			
2,4-Dichlorophenol													
2,4,5-Trichlorophenol													
2-Methylphenol													
4-Methylphenol													
2-Chloronaphthalene													
Benzyl Alcohol													
Benzoic Acid													
Di-n-Octyl Phthalate	3B												
Dimethyl Phthalate	16												
1,2-Dichlorobenzene													
1,4-Dichlorobenzene													
1,2,4-Trichlorobenzene													
Aldrin													

TABLE 1.3

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 to 1996
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

Well Number:	*10210A*						*10210B*						
Sample Date:	*7/24/90*	*8/22/91*	*8/26/92*	*8/11/93*	*5/25/95*	*7/1/96*	*7/24/90*	*8/22/91*	*8/26/92*	*8/11/93*	*6/15/94*	*6/1/95*	*7/5/96*
Semi-volatiles (cont'd) (ug/L)													
Bis(2-Chloroethyl)Ether													
Endrin													
Endosulfan Sulfate													
Pesticides/PCBs (ug/L)													
Alpha-BHC													
Beta-BHC													
Delta-BHC													
Beta & Gamma-BHC (sum of isomers)													

Notes:

B - Found in blank.
C - Confirmed data.
E - Exceeded calibration range of the instrument
P - Greater than 25% difference for detected concentrations between the two GC columns in the pesticide target analyte. Lower of two values is reported.

TABLE 1.3

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 to 1996
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

Well Number:	*10210C*							*10135*				
Sample Date:	*7/25/90*	*8/22/91*	*8/26/92*	*8/11/93*	*6/8/94*	*6/1/95*	*7/1/96*	*8/26/92*	*8/19/93*	*6/22/94*	*6/1/95*	*6/27/96*
Volatiles (ug/L)												
Vinyl Chloride												50
Methylene Chloride									41			11
Acetone			10B	23B	19B				270	100B		60
Toluene								2700	1700E	21500BE	18000D	14000
1,1-Dichloroethane									15			
1,2-Dichloroethene (total)								700	840			560
Carbon Disulfide												
2-Butanone									5200			
Chloroform									100			110
Trichloroethene									24			36
1,1,2-Trichloroethane												14
Benzene										6000E	4900D	4800
Chlorobenzene								2600	1700		2000D	1500
Xylene (total)									47	10B		28
1,1,2,2-Tetrachloroethane									12			26
Vinyl Acetate								6800		12B		
Ethylbenzene									13			
Semi-volatiles (ug/L)												
Pentachlorophenol									52			
Phenol		6				22			96	91	140	
bis(2-Ethylhexyl)Phthalate	7B	13		38					50			
2,4-Dichlorophenol								1200B	420	610	150	
2,4,5-Trichlorophenol									70			
2-Methylphenol									51			
4-Methylphenol						29	110		80			
2-Chloronaphthalene											150	
Benzyl Alcohol											380	
Benzoic Acid											6400D	4000
Di-n-Octyl Phthalate												
Dimethyl Phthalate												
1,2-Dichlorobenzene									35			
1,4-Dichlorobenzene								110	94	91		
1,2,4-Trichlorobenzene									74	87B		
Aldrin								0.53	0.24P			

TABLE 1.3

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 to 1996
LOVE CANAL LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION

Well Number:	*10210C*							*10135*				
Sample Date:	*7/25/90*	*8/22/91*	*8/26/92*	*8/11/93*	*6/8/94*	*6/1/95*	*7/1/96*	*8/26/92*	*8/19/93*	*6/22/94*	*6/1/95*	*6/27/96*
Semi-volatiles (cont'd) (ug/L)												
Bis(2-Chloroethyl)Ether									23			
Endrin										0.15P		
Endosulfan Sulfate									0.43P			
Pesticides/PCBs (ug/L)												
Alpha-BHC								84	42C	24CEP	28D	29
Beta-BHC											10D	11
Delta-BHC								15	9.8P	7.5CE	4.7	5.2
Beta & Gamma-BHC (sum of isomers)								33	19.5	20.4CE		

Notes:

B - Found in blank.
C - Confirmed data.
E - Exceeded calibration range of the instrument
P - Greater than 25% difference for detected concentrations between the two GC columns in the pesticide target analyte. Lower of two values is reported.

TABLE 2.1

1996 LOVE CANAL SYSTEM REPAIRS
OCCIDENTAL CHEMICAL CORPORATION

RESET COMMUNICATION BOARD FOR WET WELLS 1A, 2A, 3A TO REESTABLISH COMMUNICATION.

REPLACED DIAPHRAGMS NORTH FILTER FEED PUMP.

REPLACED BALLCOCK GASKETS NORTH FILTER FEED PUMP, TIGHTENED GASKETS.

REPAIRED TRANQUILIZER SOUTH FILTER FEED PUMP.

REPLACED NORTH FILTER FEED PUMP GASKETS. (3 TIMES)

REBUILT SOUTH FILTER FEED PUMP, REPLACED BOTH BOTTOM GASKETS, TIGHTENED INLET BOLTS. (3 TIMES)

IN PROCESS OF PURCHASING A REPLACEMENT FOR PC2A PUMP.

REPLACED DRAVO HEATING UNIT FOR TREATMENT BUILDING.

REPLACED THE SECURITY SYSTEMS FOR ALL LOVE CANAL BUILDINGS.

DECOMMISSIONED 115 WELLS AT THE LOVE CANAL SITE.
WELL PARTS WERE DRUMMED AND DELIVERED TO NIAGARA PLANT FOR DISPOSAL. (189 DRUMS)

RESTORED THE CAP AND LAWNS AFTER THE WELL DECOMMISSIONING.

SENT 19 ROLLOFFS TO NIAGARA PLANT FOR DISPOSAL.

REMOVED THE DCF BOTH OPEN AND CLOSED CELLS TO 102ND STREET.

REMOVED THE BERM TO 102ND STREET.

REMOVED THE PORTABLE DCF UNIT ON 100TH STREET.

REPLACED THE FENCE AND GATES ALONG FRONTIER AVE.

REPAIRED THE FENCE ALONG 95TH STREET.

LANDSCAPED ALONG FENCE LINE ON 100TH STREET.

PAINTED OUTSIDE TREATMENT AND ADMIN BUILDINGS.

NO CARBON REPLACEMENT IN 1996.

REPLACED WELL 4108 WITH WELL 8135, MAY 8, 1996.

APPENDIX A

ANALYTICAL RESULTS AND QA/QC REVIEW
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE-JULY 1996

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LIST OF ATTACHMENTS

1.0 EXECUTIVE SUMMARY

Thirty-nine groundwater samples were collected in support of the Long-Term Monitoring Program (LTMP) at the Love Canal Site in Niagara Falls, New York (Site), from June 6 through July 5, 1996. The samples were submitted for Site-specific volatile, semi-volatile, and pesticide/polychlorinated biphenyl (PCB) analysis. A sample collection and analysis summary is presented in Table A.1.

All sample results were acceptable with the exception of one 2-chloroethylvinylether result and three hexachlorocyclopentadiene results which were rejected due to poor instrument sensitivity.

2.0 INTRODUCTION

Thirty-nine groundwater samples (including four field duplicates) were collected in support of the LTMP Love Canal Site in Niagara Falls, New York (Site), from June 6 through July 5, 1996. The samples were analyzed for Site-specific volatiles, semi-volatiles, and pesticide/PCBs. New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies and full deliverables were used and reported. A sample collection and analysis summary is presented in Table A.1.

A summary of the analytical data is presented in Table A.2. Tentatively Identified Compounds (TICs) were reviewed and are presented in Attachment A.1. Copies of the chains of custody are included in Attachment A.2. The Quality Assurance/Quality Control (QA/QC) criteria by which these data have been assessed are outlined in methods 95-1, 95-2, and 95-3 referenced from the NYSDEC ASP (10/95 Rev) and the "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" EPA 540/R-94/012, February 1994.

All raw data including calibration, spike, and duplicate and blank results were assessed.

3.0 QA/QC REVIEW

3.1 HOLDING TIMES

Based upon criteria outlined in the NYSDEC ASP, the following holding time requirements were used:

Volatile Organic Compounds (VOCs)	10 Days from Verified Time of Sample Receipt (VTSR) to analysis (preserved pH <2; HCl)
Semi-Volatile Organic Compounds (SVOCs)	5 Days from VTSR to extraction; 40 Days from VTSR to analysis
Pesticides/PCBs	5 Days from VTSR to extraction; 40 Days from VTSR to analysis

A summary of sample holding time data is presented in Table A.3. Holding time criteria were met for all sample preparation and analyses.

All samples were properly preserved and received at the laboratory at 4°C (±2°).

3.2 INSTRUMENT CALIBRATION

Gas Chromatograph/Mass Spectrometer (GC/MS) - VOCs and SVOCs

The GC/MS instrumentation was properly tuned prior to sample analyses. Calibration data showed adequate instrument sensitivity, and calibration curves showed acceptable linearity with the following exceptions:

i) high Relative Standard Deviations (RPDs) were reported for the initial calibration of di-n-octylphthalate, hexachlorocyclopentadiene, acetone, bromomethane, and chloroethane. The Relative Response Factors (RRF)

for these compounds were acceptable indicating adequate sensitivity. Associated results were non-detect and would not have been affected by the non-linearity of the calibration curves;

ii) low instrument response was observed for 2-chloroethylvinylether and hexachlorocyclopentadiene in some continuing calibration standards. Associated sample results for the compounds were non-detect and were rejected based on unreliable sensitivity; and

iii) some continuing calibration standard results indicated variability in instrument responses for various compounds. The RRFs for the compounds were acceptable indicating adequate sensitivity. Associated non-detect sample results were judged to be acceptable on this basis. Positive sample results were qualified as estimated to reflect variability in analyte quantitation.

Gas Chromatograph (GC) - Pesticides/PCBs

Initial and continuing calibration data showed adequate instrument sensitivity and linearity.

3.3 INTERNAL STANDARD RECOVERIES - VOCs AND SVOCs

The proper internal standard compounds were added to all samples, blanks, and blank spike samples prior to VOC and SVOC analyses. All internal standard recoveries were acceptable and were used to calculate all positive sample results.

3.4 SURROGATE COMPOUND ANALYSES

Surrogates were added to all samples, blanks, and QC samples prior to extraction and/or analysis.

A summary of surrogate recoveries is presented in Table A.4. Surrogate recoveries met the method acceptance criteria (which allows for one outlying SVOC surrogate recovery per sample, per fraction):

i) tetrachloro-meta-xylene (TCMX) recovery could not be evaluated for sample 10135 due to coeluting interferences. Analytical accuracy was assessed based on acceptable recovery of the remaining surrogate;

ii) low decachlorobiphenyl and/or TCMX recoveries were reported for some of the pesticide analyses. Sample results were non-detect. Since the surrogate recovery was not excessively low, and the remaining surrogate recoveries were acceptable, analytical accuracy was judged to be acceptable for these samples and data were reported without qualification; and

iv) high surrogate recoveries were reported for sample 10270. Sample results were non-detect and would not have been affected by a potential high bias.

3.5 METHOD BLANK ANALYSES

Method blanks were analyzed and/or extracted at the proper frequency for all parameters, and the results are summarized in Table A.5. Generally, method blank results were non-detect with the following exceptions:

i) low level acetone, methylene chloride, and phthalate concentrations were detected in some of the method blanks. All associated positive sample results up to ten times the concentrations detected in the blanks were qualified as non-detect; and

ii) low level xylenes, styrene, bromodichloromethane, and 4,4'-DDT concentrations were detected in some of the method blanks. All associated positive sample results up to five times the concentrations detected in the blanks were qualified as non-detect.

3.6 BLANK SPIKE

Blank spikes (BS) were prepared and/or analyzed for all parameters. A summary of the spike results is presented in Table A.6.

Spike recoveries showed acceptable analytical accuracy with the following exceptions:

i) slightly high 4-nitrophenol and pentachlorophenol recoveries were reported for the semi-volatile BS analyses. All associated results were non-detect and would not be affected by the potential high bias; and

ii) low recoveries were reported for all the pesticides in the BS extracted June 19, 1996. All associated positive sample results were qualified as estimated to reflect a low bias. Since the recoveries were sufficient to show adequate analyte recovery, and the recoveries for the remaining BSs were acceptable, the non-detect results were judged to be acceptable without qualification.

3.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

MS/MSDs were prepared and/or analyzed with each batch of samples. A summary of the spiked results is presented in Table A.7.

Spike recoveries showed acceptable analytical accuracy and precision with the following exceptions:

i) slightly high 4-nitrophenol and pentachlorophenol recoveries were reported for the MS/MSD analyses of sample 10210B. High 4-nitrophenol recoveries were also reported for the MS analysis of sample 5222 and the MSD analyses of samples 5222 and 7115. All associated sample results were non-detect and would not be affected by the potential high bias;

ii) low acenaphthene recoveries were reported for the MS/MSD of sample 10225B. The sample results were non-detect and judged to be acceptable without qualifications based on the minor extent of the exceedance and the acceptable recovery of the BS (Section 3.6); and

iii) a high aldrin RPD value was reported for the MS/MSD analysis of sample 10210B. Associated sample results were non-detect. Based on acceptable spike recoveries, analyte sensitivity was adequate and the results were not qualified.

3.8 FIELD QA/QC

Field Duplicate Analyses

Four samples were collected in duplicate and submitted to the laboratory for analysis. A comparison of the field duplicate results is presented in Table A.8. All field duplicate results showed acceptable comparability with the original sample results.

Field Blanks

Field blanks were collected and analyzed with the samples, and the results are summarized in Table A.9.

Generally, field blank results were non-detect with the following exceptions:

i) low level acetone, methylene chloride, 2-butanone, and phthalate concentrations were detected in some of the field blanks. All associated positive sample results up to ten times the concentrations detected in the blanks were qualified as non-detect; and

ii) low level chloroform, 1,2-dichloropropane, bromodichloromethane, trichloroethene, dibromochloromethane, and toluene concentrations were detected in some of the field blanks. All associated positive sample results

up to five times the concentrations detected in the blanks were qualified as non-detect.

Trip Blanks

Trip blanks were collected and analyzed for Site-specific VOCs, the results are summarized in Table A.10. Low levels VOCs were reported in the trip blanks. All associated positive sample results up to ten times the concentrations of methylene chloride and acetone and up to five times the concentrations of all other volatiles detected in the blanks were qualified as non-detect.

3.9 TICs

TICs were evaluated for all samples submitted for volatile and semi-volatile analyses. A summary of the TICs reported and the estimated concentrations is presented in Attachment A.1. TICs which were present in the blanks or which were identified as aldol condensation products and/or siloxanes have been eliminated.

4.0 CONCLUSION

Based on this QA/QC review, these data are judged acceptable with the qualifications and exceptions noted.

TABLES

TABLE A.1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Sample ID	*Location ID*	*Date of Collection*	*Analyses*	*Comments*
3257	3257	06/07/96	VOCs, SVOCs, Pesticides/PCBs	
5222	5222	06/17/96	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
9002	5222	06/17/96	VOCs, SVOCs, Pesticides/PCBs	Field Duplicate of 5222
6209	6209	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
7115	7115	06/06/96	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
7125	7125	06/06/96	VOCs, SVOCs, Pesticides/PCBs	
7130	7130	06/06/96*	VOCs, SVOCs, Pesticides/PCBs	
7132	7132	06/06/96	VOCs, SVOCs, Pesticides/PCBs	
7205	7205	06/07/96	VOCs, SVOCs, Pesticides/PCBs	
8106	8106	06/07/96	VOCs, SVOCs, Pesticides/PCBs	
8115	8115	06/10/96	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
8125	8125	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
8210	8210	06/10/96	VOCs, SVOCs, Pesticides/PCBs	
9105	9105	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
9001	9105	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	Field Duplicate of 9105
9113	9113	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
9118	9118	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
9122	9122	06/14/96	VOCs, SVOCs, Pesticides/PCBs	
9130	9130	06/13/96*	VOCs, SVOCs, Pesticides/PCBs	
9205	9205	06/10/96	VOCs, SVOCs, Pesticides/PCBs	
9210	9210	07/05/96	VOCs, SVOCs, Pesticides/PCBs	
10105	10105	06/26/96	VOCs, SVOCs, Pesticides/PCBs	
10115	10115	06/14/96	VOCs, SVOCs, Pesticides/PCBs	
10135	10135	06/27/96	VOCs, SVOCs, Pesticides/PCBs	
10150	10150	06/18/96	VOCs, SVOCs, Pesticides/PCBs	
9003	10150	06/18/96	VOCs, SVOCs, Pesticides/PCBs	Field Duplicate of 10150
10205	10205	06/26/96	VOCs, SVOCs, Pesticides/PCBs	
10215	10215	06/27/96	VOCs, SVOCs, Pesticides/PCBs	
9004	10215	06/27/96	VOCs, SVOCs, Pesticides/PCBs	Field Duplicate of 10215
10270	10270	06/14/96	VOCs, SVOCs, Pesticides/PCBs	
10272	10272	06/14/96	VOCs, SVOCs, Pesticides/PCBs	
10278	10278	06/17/96	VOCs, SVOCs, Pesticides/PCBs	
10178B	10178B	06/14/96	VOCs, SVOCs, Pesticides/PCBs	
10210A	10210A	07/01/96	VOCs, SVOCs, Pesticides/PCBs	
10210B	10210B	07/05/96	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
10210C	10210C	07/01/96	VOCs, SVOCs, Pesticides/PCBs	
10225A	10225A	06/21/96	VOCs, SVOCs, Pesticides/PCBs	
10225B	10225B	06/25/96	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
10225C	10225C	06/18/96	VOCs, SVOCs, Pesticides/PCBs	
Bladder Pump #1	-	06/20/96	VOCs, SVOCs, Pesticides/PCBs	Rinse Blank
Bladder Pump #2	-	06/20/96	VOCs, SVOCs, Pesticides/PCBs	Rinse Blank
Bailer Blank	-	06/17/96	VOCs, SVOCs, Pesticides/PCBs	Rinse Blank
DI Water	-	06/07/96	VOCs, SVOCs, Pesticides/PCBs	Rinse Blank

TABLE A.1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Sample ID	*Location ID*	*Date of Collection*	*Analyses*	*Comments*
Trip Blank	-	06/07/96	VOCs	
Trip Blank	-	06/10/96	VOCs	
Trip Blank	-	06/13/96	VOCs	
Trip Blank	-	06/14/96	VOCs	
Trip Blank	-	06/17/96	VOCs	
Trip Blank	-	06/18/96	VOCs	
Trip Blank	-	06/20/96	VOCs	
Trip Blank	-	06/21/96	VOCs	
Trip Blank	-	06/26/96	VOCs	
Trip Blank	-	06/27/96	VOCs	
Trip Blank	-	07/01/96	VOCs	
Trip Blank	-	07/05/96	VOCs	

Notes:

*	SVOCs were collected on 06/28/96.
MS	Matrix Spike.
MSD	Matrix Spike Duplicate.
SVOCs	Semi-Volatile Organic Compounds.
VOCs	Volatile Organic Compounds.

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*3257*	*5222*	*9002*	*6209*	*7115*	*7125*	*7130*	*7132*
Collection Date:	*06/07/96*	*06/17/96*	*06/17/96*	*06/13/96, 06/28/96*	*06/06/96*	*06/06/96*	*06/06/96, 06/28/96*	*06/06/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)* *(Duplicate of 5222)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Volatiles								
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	ND 10	ND 10	ND 10	ND 10
Chloroethane	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	ND 10	ND 10
Acetone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon disulfide	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	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 10	ND 10	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
1,2-Dichloroethene (total)	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	ND 10
1,1,1-Trichloroethane	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
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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
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
Bromoform	ND 10	ND 10	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	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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	ND 10
Toluene	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
Ethylbenzene	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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Semi-Volatiles								
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*3257*	*5222*	*9002*	*6209*	*7115*	*7125*	*7130*	*7132*
Collection Date:	*06/07/96*	*06/17/96*	*06/17/96*	*06/13/96, 06/28/96*	*06/06/96*	*06/06/96*	*06/06/96, 06/28/96*	*06/06/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)* *(Duplicate of 5222)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Semi-Volatiles (Cont'd.)								
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	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
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	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
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	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
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*3257*	*5222*	*9002*	*6209*	*7115*	*7125*	*7130*	*7132*
Collection Date:	*06/07/96*	*06/17/96*	*06/17/96*	*06/13/96, 06/28/96*	*06/06/96*	*06/06/96*	*06/06/96, 06/28/96*	*06/06/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)* *(Duplicate of 5222)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Semi-Volatiles (Cont'd.)								
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (a) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,i) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 10	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pesticides/PCBs								
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
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
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
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
Endosulfan II	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
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
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
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	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
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016	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-1221	ND 2.0	ND 2.0	ND 2.0	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
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
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
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
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

Notes:
(1) Cannot be separated from diphenylamine.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*7205*	*8106*	*8115*	*8125*	*8210*	*9105*	*9001*	*9113*
Collection Date:	*06/07/96*	*06/07/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)* (*Field Duplicate of 9105*)	*(mg/L)*
Volatiles								
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	ND 10	ND 10	ND 10	ND 10
Chloroethane	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	ND 10	ND 10
Acetone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon disulfide	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	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 10	ND 10	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
1,2-Dichloroethene (total)	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	ND 10
1,1,1-Trichloroethane	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
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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
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
Bromoform	ND 10	ND 10	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	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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	ND 10
Toluene	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
Ethylbenzene	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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Semi-Volatiles								
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*7205*	*8106*	*8115*	*8125*	*8210*	*9105*	*9001*	*9113*
Collection Date:	*06/07/96*	*06/07/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
							(Field Duplicate of 9105)	
Semi-Volatiles (Cont'd.)								
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	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
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	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
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	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
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*7205*	*8106*	*8115*	*8125*	*8210*	*9105*	*9001*	*9113*
Collection Date:	*06/07/96*	*06/07/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/10/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*	*06/06/96, 06/28/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)* *(Field Duplicate of 9105)*	*(mg/L)*
Semi-Volatiles (Cont'd.)								
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 11
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (a) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,i) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 10	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pesticides/PCBs								
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
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
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
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
Endosulfan II	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
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
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
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	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
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016	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-1221	ND 2.0	ND 2.0	ND 2.0	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
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
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
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
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

Notes:
(1) Cannot be separated from diphenylamine.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	9118	9122	9130	9205	9210	10105	10115	10135
Collection Date:	06/06/96, 06/28/96	06/14/96	06/06/96, 06/28/96	06/10/96	07/05/96	06/26/96	06/14/96	06/27/96
Units:	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Volatiles								
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	ND 10	ND 10	ND 10	50
Chloroethane	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	ND 10	11
Acetone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	60
Carbon disulfide	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	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 10	ND 10	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
1,2-Dichloroethene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	560
Chloroform	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	110
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	ND 10
1,1,1-Trichloroethane	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
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
cis-1,3-Dichloropropene	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	36
Dibromochloromethane	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	14
Benzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	4800
trans-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromoform	ND 10	ND 10	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	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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	26
Toluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	14000
Chlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	1500
Ethylbenzene	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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	28
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Semi-Volatiles								
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*9118*	*9122*	*9130*	*9205*	*9210*	*10105*	*10115*	*10135*
Collection Date:	*06/06/96, 06/28/96*	*06/14/96*	*06/06/96, 06/28/96*	*06/10/96*	*07/05/96*	*06/26/96*	*06/14/96*	*06/27/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Semi-Volatiles (Cont'd.)								
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
bis (2-Chloroethoxy) methane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 2000
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 5000
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Di-n-butylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*9118*	*9122*	*9130*	*9205*	*9210*	*10105*	*10115*	*10135*
Collection Date:	*06/06/96, 06/28/96*	*06/14/96*	*06/06/96, 06/28/96*	*06/10/96*	*07/05/96*	*06/26/96*	*06/14/96*	*06/27/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles (µg/L) (Cont'd.)								
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 1000
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
bis (2-Ethylhexyl) phthalate	ND 21	ND 10	ND 16	ND 19	ND 15	ND 10	ND 10	ND 500
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Benzo (a) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Benzo (g,h,i) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	4000
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 500
Pesticides/PCBs								
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	29
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	11
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	5.2
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	2.4J
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25
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 0.50
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50
Endosulfan II	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50
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 0.50
Endosulfan Sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50
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 0.50
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 2.5
Endrin Ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 25
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1221	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 10
Aroclor-1232	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1254	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 5.0

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*10150*	*9003*	*10205*	*10215*	*9004*	*10270*	*10272*	*10278*	*10178B*
Collection Date:	*06/18/96*	*06/18/96*	*06/26/96*	*06/27/96*	*06/27/96*	*06/14/96*	*06/14/96*	*06/17/96*	*06/14/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
		(Duplicate of 10150)			*(Duplicate of 10215)*				
Volatiles									
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 10	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	ND 10	ND 10	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	ND 10	ND 10	ND 10
Acetone	ND 11	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 52	ND 10
Carbon disulfide	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	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	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
1,2-Dichloroethene (total)	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	ND 10
1,2-Dichloroethane	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
1,1,1-Trichloroethane	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
Bromodichloromethane	ND 10	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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
Benzene	ND 10	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
Bromoform	ND 10	ND 10	ND 10	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	ND 10	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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	ND 10	ND 10
Toluene	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
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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	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
Semi-Volatiles									
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	18	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	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
JUNE - JULY 1996

Location ID:	*10150*	*9003*	*10205*	*10215*	*9004*	*10270*	*10272*	*10278*	*10178B*
Collection Date:	*06/18/96*	*06/18/96*	*06/26/96*	*06/27/96*	*06/27/96*	*06/14/96*	*06/14/96*	*06/17/96*	*06/14/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
		(Duplicate of 10150)			*(Duplicate of 10215)*				
Semi-Volatiles (Cont'd.)									
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	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
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	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
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	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
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*10150*	*9003*	*10205*	*10215*	*9004*	*10270*	*10272*	*10278*	*10178B*
Collection Date:	*06/18/96*	*06/18/96*	*06/26/96*	*06/27/96*	*06/27/96*	*06/14/96*	*06/14/96*	*06/17/96*	*06/14/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
		(Duplicate of 10150)			*(Duplicate of 10215)*				
Semi-Volatiles (Cont'd.)									
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	ND 15	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 18	ND 10
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (a) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,i) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pesticides/PCBs									
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
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
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
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
Endosulfan II	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 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
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
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	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
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016	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-1221	ND 2.0	ND 2.0	ND 2.0	ND 2.0	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
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
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
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

Notes:
(1) Cannot be separated from diphenylamine.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*10210A*	*10210B*	*10210C*	*10225A*	*10225B*	*10225C*
Collection Date:	*07/01/96*	*07/05/96*	*07/01/96*	*06/21/96*	*06/25/96*	*06/18/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Volatiles						
Chloromethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl chloride	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Methylene chloride	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Acetone	ND 140	ND 10	ND 10	ND 10	ND 45	ND 10
Carbon disulfide	310	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroform	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
2-Butanone	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,1-Trichloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon tetrachloride	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloropropane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Trichloroethene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2-Trichloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Benzene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
trans-1,3-Dichloropropene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Bromoform	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methyl-2-pentanone	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
2-Hexanone	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2,2-Tetrachloroethane	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Toluene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Styrene	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
Xylene (total)	ND 50	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	ND 50	R	ND 10	ND 10	ND 10	ND 10
Semi-Volatiles						
Phenol	ND 10	ND 10	ND 30	ND 10	ND 10	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10

TABLE A.2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*10210A*	*10210B*	*10210C*	*10225A*	*10225B*	*10225C*
Collection Date:	*07/01/96*	*07/05/96*	*07/01/96*	*06/21/96*	*06/25/96*	*06/18/96*
Units:	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Semi-Volatiles (Cont'd.)						
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	110	ND 10	ND 10	ND 10
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Nitrobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,4-Dichlorophenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2-Methylnaphthalene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	R	R	R	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
Dimethylphthalate	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Acenaphthylene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Diethylphthalate	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 40	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Hexachlorobenzene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 100	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Di-n-butylphthalate	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Fluoranthene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10

TABLE 2

ANALYTICAL RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:	*10210A*	*10210B*	*10210C*	*10225A*	*10225B*	*10225C*
Collection Date:	*07/01/96*	*07/05/96*	*07/01/96*	*06/21/96*	*06/25/96*	*06/18/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles (µg/L) (Cont'd.)						
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 40	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	ND 15	ND 10	ND 20	ND 12	ND 10	ND 10
Di-n-octylphthalate	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Benzo (a) pyrene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Benzo (g,h,i) perylene	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Benzoic acid	ND 10	ND 10	ND 10	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10
Pesticides/PCBs						
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Dieldrin	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
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Endosulfan II	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
Endosulfan Sulfate	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
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	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
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1221	ND 2.0	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
Aroclor-1242	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
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

Notes:

(1) Cannot be separated from diphenylamine.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.
R Rejected.

TABLE A.3

HOLDING TIME SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID	Collection Date	Received Date	Extraction Date	Analysis Date	Holding Time Exceedance (days) to Extraction	Holding Time Exceedance (days) to Analysis
Volatiles						
3257	06/07/96	06/08/96	-	06/13/96	-	0
5222	06/17/96	06/18/96	-	06/20/96	-	0
9002	06/17/96	06/18/96	-	06/20/96	-	0
6209	06/13/96	06/14/96	-	06/18/96	-	0
7115	06/06/96	06/07/96	-	06/12/96	-	0
7125	06/06/96	06/07/96	-	06/12/96	-	0
7130	06/06/96	06/07/96	-	06/13/96	-	0
7132	06/06/96	06/07/96	-	06/13/96	-	0
7205	06/07/96	06/08/96	-	06/13/96	-	0
8106	06/07/96	06/08/96	-	06/13/96	-	0
8115	06/10/96	06/11/96	-	06/13/96	-	0
8125	06/13/96	06/14/96	-	06/17/96	-	0
8210	06/10/96	06/11/96	-	06/13/96	-	0
9105	06/13/96	06/14/96	-	06/17/96	-	0
9001	06/13/96	06/14/96	-	06/17/96	-	0
9113	06/13/96	06/14/96	-	06/17/96	-	0
9118	06/13/96	06/14/96	-	06/17/96	-	0
9122	06/14/96	06/15/96	-	06/18/96	-	0
9130	06/13/96	06/14/96	-	06/17/96	-	0
9205	06/10/96	06/11/96	-	06/13/96	-	0
9210	07/05/96	07/06/96	-	07/10/96	-	0
10105	06/26/96	06/27/96	-	06/28/96	-	0
10115	06/14/96	06/15/96	-	06/18/96	-	0
10135	06/27/96	06/28/96	-	07/03/96	-	0
10150	06/18/96	06/19/96	-	06/24/96	-	0
9003	06/18/96	06/19/96	-	06/24/96	-	0
10205	06/26/96	06/27/96	-	06/28/96	-	0
10215	06/27/96	06/28/96	-	07/02/96	-	0
9004	06/27/96	06/28/96	-	07/02/96	-	0
10270	06/14/96	06/15/96	-	06/19/96	-	0
10272	06/14/96	06/15/96	-	06/18/96	-	0
10278	06/17/96	06/18/96	-	06/20/96	-	0
10178B	06/14/96	06/15/96	-	06/18/96	-	0
10210A	07/01/96	07/02/96	-	07/03/96	-	0
10210B	07/05/96	07/06/96	-	07/11/96	-	0
10210C	07/01/96	07/02/96	-	07/03/96	-	0
10225A	06/21/96	06/22/96	-	06/26/96	-	0
10225B	06/25/96	06/26/96	-	06/26/96	-	0
10225C	06/18/96	06/19/96	-	06/24/96	-	0
Semi-Volatiles						
3257	06/07/96	06/08/96	06/12/96	06/27/96	0	0
5222	06/17/96	06/18/96	06/19/96	06/27/96	0	0
9002	06/17/96	06/18/96	06/19/96	06/28/96	0	0
6209	06/28/96	06/29/96	07/03/96	07/10/96	0	0
7115	06/06/96	06/07/96	06/12/96	06/26/96	0	0
7125	06/06/96	06/07/96	06/12/96	06/26/96	0	0
7130	06/28/96	06/07/96	06/12/96	06/26/96	0	0
7132	06/06/96	06/07/96	06/12/96	06/26/96	0	0
7205	06/07/96	06/08/96	06/12/96	06/27/96	0	0

TABLE A.3

HOLDING TIME SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID	Collection Date	Received Date	Extraction Date	Analysis Date	Holding Time Exceedance (days) to Extraction	Holding Time Exceedance (days) to Analysis
Semi-Volatiles (Cont'd.)						
8106	06/07/96	06/08/96	06/12/96	06/27/96	0	0
8115	06/10/96	06/11/96	06/13/96	06/25/96	0	0
8125	06/28/96	06/29/96	07/03/96	07/10/96	0	0
8210	06/10/96	06/11/96	06/13/96	06/25/96	0	0
9105	06/28/96	06/29/96	07/03/96	07/10/96	0	0
9001	06/28/96	06/29/96	07/03/96	07/09/96	0	0
9113	06/28/96	06/29/96	07/03/96	07/10/96	0	0
9118	06/28/96	06/29/96	07/03/96	07/10/96	0	0
9122	06/14/96	06/15/96	06/17/96	06/26/96	0	0
9130	06/28/96	06/29/96	07/03/96	07/10/96	0	0
9205	06/10/96	06/11/96	06/13/96	06/25/96	0	0
9210	07/05/96	07/06/96	07/09/96	07/19/96	0	0
10105	06/26/96	06/27/96	07/01/96	07/05/96	0	0
10115	06/14/96	06/15/96	06/17/96	06/26/96	0	0
10135	06/27/96	06/28/96	07/01/96	07/08/96	0	0
10150	06/18/96	06/19/96	06/21/96	06/28/96	0	0
9003	06/18/96	06/19/96	06/24/96	06/27/96	0	0
10205	06/26/96	06/27/96	07/01/96	07/08/96	0	0
10215	06/27/96	06/28/96	07/01/96	07/08/96	0	0
9004	06/27/96	06/28/96	07/02/96	07/05/96	0	0
10270	06/14/96	06/15/96	06/17/96	06/26/96	0	0
10272	06/14/96	06/15/96	06/17/96	06/26/96	0	0
10278	06/17/96	06/18/96	06/19/96	06/27/96	0	0
10178B	06/14/96	06/15/96	06/17/96	06/26/96	0	0
10210A	07/01/96	07/02/96	07/05/96	07/19/96	0	0
10210B	07/05/96	07/06/96	07/10/96	07/19/96	0	0
10210C	07/01/96	07/02/96	07/05/96	07/23/96	0	0
10225A	06/21/96	06/22/96	06/25/96	07/02/96	0	0
10225B	06/25/96	06/26/96	06/27/96	07/02/96	0	0
10225C	06/18/96	06/19/96	06/24/96	06/27/96	0	0
Pesticides/PCBs						
3257	06/07/96	06/08/96	06/12/96	06/24/96	0	0
5222	06/17/96	06/18/96	06/19/96	06/28/96	0	0
9002	06/17/96	06/18/96	06/19/96	07/02/96	0	0
6209	06/13/96	06/14/96	06/14/96	06/28/96	0	0
7115	06/06/96	06/07/96	06/12/96	06/24/96	0	0
7125	06/06/96	06/07/96	06/12/96	06/24/96	0	0
7130	06/06/96	06/07/96	06/12/96	06/24/96	0	0
7132	06/06/96	06/07/96	06/12/96	06/24/96	0	0
7205	06/07/96	06/08/96	06/12/96	06/24/96	0	0
8106	06/07/96	06/08/96	06/12/96	06/24/96	0	0
8115	06/10/96	06/11/96	06/12/96	06/25/96	0	0
8125	06/13/96	06/14/96	06/14/96	06/28/96	0	0
8210	06/10/96	06/11/96	06/12/96	06/25/96	0	0
9105	06/13/96	06/14/96	06/14/96	06/28/96	0	0
9001	06/13/96	06/14/96	06/14/96	06/28/96	0	0
9113	06/13/96	06/14/96	06/14/96	06/28/96	0	0
9118	06/13/96	06/14/96	06/14/96	06/28/96	0	0
9122	06/14/96	06/15/96	06/17/96	06/28/96	0	0

TABLE A.3

HOLDING TIME SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID	Collection Date	Received Date	Extraction Date	Analysis Date	Holding Time Exceedance (days) to Extraction	Holding Time Exceedance (days) to Analysis
Pesticides/PCBs (Cont'd.)						
9130	06/13/96	06/14/96	06/14/96	06/28/96	0	0
9205	06/10/96	06/11/96	06/12/96	06/25/96	0	0
9210	07/05/96	07/06/96	07/09/96	07/23/96	0	0
10105	06/26/96	06/27/96	06/28/96	07/02/96	0	0
10115	06/14/96	06/15/96	06/17/96	06/28/96	0	0
10135	06/27/96	06/28/96	07/02/96	07/23/96	0	0
10150	06/18/96	06/19/96	06/20/96	07/02/96	0	0
9003	06/18/96	06/19/96	06/20/96	07/02/96	0	0
10205	06/26/96	06/27/96	06/28/96	07/03/96	0	0
10215	06/27/96	06/28/96	07/02/96	07/03/96	0	0
9004	06/27/96	06/28/96	07/02/96	07/03/96	0	0
10270	06/14/96	06/15/96	06/17/96	06/28/96	0	0
10272	06/14/96	06/15/96	06/17/96	06/28/96	0	0
10278	06/17/96	06/18/96	06/19/96	06/28/96	0	0
10178B	06/14/96	06/15/96	06/17/96	06/28/96	0	0
10210A	07/01/96	07/02/96	07/02/96	07/23/96	0	0
10210B	07/05/96	07/06/96	07/09/96	07/23/96	0	0
10210C	07/01/96	07/02/96	07/02/96	07/04/96	0	0
10225A	06/21/96	06/22/96	06/25/96	07/03/96	0	0
10225B	06/25/96	06/26/96	06/28/96	07/03/96	0	0
10225C	06/18/96	06/19/96	06/20/96	07/02/96	0	0

Notes:
PCBs Polychlorinated Biphenyls.

TABLE A.4

SURROGATE SPIKE RECOVERIES (PERCENT)
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATON
LOVE CANAL
JUNE - JULY 1996

Surrogates:	*TOL*	*BFB*	*DCE*
Control Limits:	*(88-110)*	*(86-115)*	*(76-114)*
Volatiles			
3257	94	101	97
5222	100	100	97
5222 Dup	100	99	102
6209	104	107	100
7115	104	100	101
7125	100	98	98
7130	95	100	97
7132	97	102	96
7205	100	104	100
8106	100	105	97
8115	99	103	97
8125	100	101	93
8210	96	98	97
9105	104	101	100
9105 Dup	106	106	102
9113	100	98	96
9118	99	100	96
9122	100	100	95
9130	98	99	94
9205	100	104	100
9210	102	90	104
10105	98	100	97
10115	97	96	94
10135	103	91	104
10150	97	98	96
10150 Dup	105	103	98
10205	105	107	100
10215	93	98	96
10215 Dup	95	99	96
10270	102	102	95
10272	101	100	94
10278	102	100	100
10178B	100	101	97
10210A	104	92	101
10210B	105	101	111
10210C	102	90	104
10225A	102	88	103
10225B	105	92	105
10225C	96	94	97

Surrogates:	*NBZ*	*FBP*	*TPH*	*PHL*	*2FP*	*TBP*	*2CP*	*DCB*
Control Limits:	*(35-114)*	*(43-116)*	*(33-141)*	*(10-110)*	*(21-110)*	*(10-123)*	*(33-110)*	*(16-110)*
Semi-Volatiles								
3257	78	73	70	63	61	70	65	70
5222	79	78	63	64	64	70	67	74
5222 Dup	80	76	62	68	61	68	70	75
6209	65	64	56	62	55	66	64	63
7115	70	67	46	56	57	64	59	62
7125	62	61	68	53	50	70	54	55
7130	54	50	76	48	45	62	49	50
7132	60	56	67	51	49	56	52	54
7205	78	79	58	43	49	49	56	72
8106	77	72	43	61	60	66	64	70

TABLE A.4

SURROGATE SPIKE RECOVERIES (PERCENT)
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATON
LOVE CANAL
JUNE - JULY 1996

Surrogates:	*NBZ*	*FBP*	*TPH*	*PHL*	*2FP*	*TBP*	*2CP*	*DCB*
Control Limits:	*(35-114)*	*(43-116)*	*(33-141)*	*(10-110)*	*(21-110)*	*(10-123)*	*(33-110)*	*(16-110)*
Semi-Volatiles (Con't.d)								
8115	68	67	33	61	55	59	61	67
8125	61	64	45	61	54	60	62	61
8210	70	68	48	57	54	54	60	66
9105	66	67	38	63	54	67	65	67
9105 Dup	56	55	43	62	56	60	62	55
9113	59	62	38	59	52	60	62	62
9118	60	64	56	61	52	60	62	62
9122	60	61	61	53	52	53	54	57
9130	63	66	42	65	58	66	67	66
9205	64	61	37	54	50	53	56	61
9210	89	89	55	84	84	87	92	88
10105	82	85	64	74	71	73	79	79
10115	75	77	69	64	64	68	68	70
10135	D	D	D	D	D	D	D	D
10150	70	66	67	60	54	62	60	68
10150 Dup	66	69	57	55	56	54	58	63
10205	65	70	61	64	60	58	66	65
10215	49	52	47	48	45	45	49	49
10215 Dup	66	70	59	60	59	70	63	59
10270	69	71	69	60	59	59	63	67
10272	73	72	66	61	61	66	64	68
10278	83	84	40	63	64	69	69	76
10178B	72	75	66	61	61	62	63	69
10210A	89	89	90	94	92	111	98	91
10210B	82	84	94	88	84	109	92	79
10210C	83	75	22*	87	86	96	93	86
10225A	65	65	42	58	52	61	59	65
10225B	59	61	48	51	46	57	53	59
10225C	53	54	68	48	45	54	49	52

Surrogates:	*TCX (1)*	*TCX (2)*	*DCBP (1)*	*DCBP (2)*
Control Limits:	*(60-150)*	*(60-150)*	*(60-150)*	*(60-150)*
Pesticides/PCBs				
3257	83	105	99	85
5222	93	98	71	68
5222 Dup	89	123	79	73
6209	60	60	62	43*
7115	83	86	98	80
7125	74	71	94	79
7130	85	92	103	85
7132	79	105	108	87
7205	85	100	82	64
8106	73	72	38*	29*
8115	90	85	43*	30*
8125	54*	60	68	51*
8210	82	82	98	92
9105	63	75	59*	45*
9105 Dup	66	77	54*	39*
9113	58*	67	63	46*
9118	49*	58*	57*	42*
9122	75	103	89	75
9130	54*	52*	46*	33*
9205	85	78	104	95

TABLE A.4

SURROGATE SPIKE RECOVERIES (PERCENT)
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATON
LOVE CANAL
JUNE - JULY 1996

Surrogates: / *Control Limits:*	*TCX (1)* *(60-150)*	*TCX (2)* *(60-150)*	*DCBP (1)* *(60-150)*	*DCBP (2)* *(60-150)*
Pesticides/PCBs (Cont'd.)				
9210	55*	62	55*	75
10105	87	84	116	83
10115	77	85	82	32*
10135	I	I	41*	86
10150	83	92	73	69
10150 Dup	86	102	89	76
10205	89	90	113	104
10215	86	79	106	104
10215 Dup	86	76	124	98
10270	174*	108	230*	106
10272	80	95	90	71
10278	90	110	116	113
10178B	87	94	44*	40*
10210A	55*	63	76	67
10210B	54*	65	57*	66
10210C	86	83	79	75
10225A	80	86	124	96
10225B	85	84	98	101
10225C	80	81	104	77

Notes:

(1)	Denotes GC column-RTX-35
(2)	Denotes GC column-DB-1701
*	Outside of quality control limits.
D	Surrogate diluted out
Dup.	Field duplicate
I	Interference
PCBs	Polychlorinated Biphenyls

Key:

2CP	2-Chlorophenol-d4	FBP	2-Fluorobiphenyl
2FP	2-Fluorophenol	NBZ	Nitrobenzene-d5
BFB	Bromoflurobenzene	PHL	Phenol-d5
DCB	1,2-Dichlorobenzene-d4	TBP	2,4,6-Tribromophenol
DCBP	Decachlorobiphenyl	TCX	Tetrachloro-m-xylene
DCE	1,2-Dichloroethane-d4	TOL	Toluene-d8
		TPH	Terphenyl-d14

TABLE A.5

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Analysis Date:	*06/12/96*	*06/12/96*	*06/14/96*	*06/17/96*	*06/18/96*	*06/19/96*	*06/20/96*	*06/22/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Volatiles								
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	ND 10	ND 10	ND 10	ND 10
Chloroethane	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	1J	0.9J	ND 10	ND 10
Acetone	13	5J	4J	4J	17	7J	11	7J
Carbon disulfide	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	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 10	ND 10	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
1,2-Dichloroethene (total)	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	ND 10
1,1,1-Trichloroethane	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
Bromodichloromethane	ND 10	ND 10	0.8J	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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
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
Bromoform	ND 10	ND 10	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	ND 10	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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	ND 10
Toluene	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
Ethylbenzene	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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Extraction Date:	*06/12/96*	*06/13/96*	*06/17/96*	*06/19/96*	*06/21/96*	*06/24/96*	*06/25/96*	*06/27/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles								
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	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
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	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
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	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
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	0.8J	0.3J	0.4J	0.4J	ND 10	0.3J	0.4J	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
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Extraction Date:	*06/12/96*	*06/13/96*	*06/17/96*	*06/19/96*	*06/21/96*	*06/24/96*	*06/25/96*	*06/27/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles (Cont'd.)								
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	1J	0.5J	3J	1J	0.4J	0.6J	1J	0.7J
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	0.9J	1J	ND 10	ND 10	2J	ND 10	1J	1J
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (A) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,I) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

Extraction Date:	*06/12/96*	*06/14/96*	*06/17/96*	*06/19/96*	*06/20/96*	*06/21/96*	*06/25/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Pesticides/PCBs							
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Dieldrin	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
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Endosulfan II	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
Endosulfan Sulfate	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	0.0015J	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
Endrin Ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

TABLE A.5

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Extraction Date:	*06/12/96*	*06/14/96*	*06/17/96*	*06/19/96*	*06/20/96*	*06/21/96*	*06/25/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Pesticides/PCBs							
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1221	ND 2.0	ND 2.0	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
Aroclor-1242	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
Aroclor-1254	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

Notes:
(1) Cannot be separated from diphenylamine
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.

TABLE A.5

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Analysis Date:	*06/24/96*	*06/26/96*	*06/28/96*	*07/01/96*	*07/03/96*	*07/10/96*	*07/11/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Volatiles							
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	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	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Methylene chloride	1J	2J	3J	ND 10	ND 10	11	ND 10
Acetone	16	22	16	5J	17	ND 10	ND 10
Carbon disulfide	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	ND 10	ND 10	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	ND 10
1,1-Dichloroethane	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
Chloroform	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
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
Carbon tetrachloride	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
1,2-Dichloropropane	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
Trichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	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
Benzene	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
Bromoform	ND 10	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	ND 10	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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
Chlorobenzene	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
Styrene	ND 10	ND 10	ND 10	1J	ND 10	ND 10	ND 10
Xylene (total)	ND 10	0.4J	1J	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	R

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Extraction Date:	*07/01/96*	*07/02/96*	*07/03/96*	*07/05/96*	*07/09/96*	*07/10/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles						
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	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
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	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
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	ND 10	0.2J	ND 10	0.09J	0.5J	0.7J
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.5

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
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Extraction Date:	*07/01/96*	*07/02/96*	*07/03/96*	*07/05/96*	*07/09/96*	*07/10/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles (Cont'd.)						
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	1J	2J	0.3J	0.5J	1J	2J
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	0.1J	0.2J
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	0.7J	ND 10	0.8J	2J	2J	2J
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (A) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,I) perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

Extraction Date:	*06/28/96*	*07/02/96*	*07/09/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*
Pesticides/PCBs			
alpha-BHC	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05
Dieldrin	ND 0.10	ND 0.10	ND 0.10
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10
Endrin	ND 0.10	ND 0.10	ND 0.10
Endosulfan II	ND 0.10	ND 0.10	ND 0.10
4,4'-DDD	ND 0.10	ND 0.10	ND 0.10
Endosulfan Sulfate	ND 0.10	ND 0.10	ND 0.10
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10
Methoxychlor	ND 0.50	ND 0.50	ND 0.50
Endrin Ketone	ND 0.10	ND 0.10	ND 0.10

TABLE A.5

METHOD BLANK SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

	Extraction Date:	*06/28/96*	*07/02/96*	*07/09/96*
	Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*
Pesticides/PCBs				
alpha-Chlordane		ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane		ND 0.05	ND 0.05	ND 0.05
Toxaphene		ND 5.0	ND 5.0	ND 5.0
Aroclor-1016		ND 1.0	ND 1.0	ND 1.0
Aroclor-1221		ND 2.0	ND 2.0	ND 2.0
Aroclor-1232		ND 1.0	ND 1.0	ND 1.0
Aroclor-1242		ND 1.0	ND 1.0	ND 1.0
Aroclor-1248		ND 1.0	ND 1.0	ND 1.0
Aroclor-1254		ND 1.0	ND 1.0	ND 1.0
Aroclor-1260		ND 1.0	ND 1.0	ND 1.0

Notes:
(1) Cannot be separated from diphenylamine
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.
R Data Rejected.

TABLE A.6

BLANK SPIKE RECOVERY SUMMARY (PERCENT)
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATON
LOVE CANAL
JUNE - JULY 1996

Parameter	*Recovery Control Limits*	*06/12/96* BS	*06/14/96* BS	*06/20/96* BS	*07/01/96* BS	*07/11/96* BS
Volatiles						
1,1-Dichloroethene	61-145	108	102	90	108	96
Trichloroethene	71-120	102	96	88	104	90
Benzene	76-127	106	98	92	102	102
Toluene	76-125	102	100	92	96	94
Chlorobenzene	75-130	100	100	94	98	92

Extraction Date:		*06/12/96* BS	*06/13/96* BS	*06/19/96* BS	*07/01/96* BS	*07/10/96* BS
Semi-Volatiles						
Phenol	12-110	55	55	56	64	83
2-Chlorophenol	27-123	57	55	57	69	96
1,4-Dichlorobenzene	36-97	64	60	66	68	82
n-Nitroso-di-n-propylamine	41-116	70	66	70	76	84
1,2,4-Trichlorobenzene	39-98	66	58	68	70	90
4-Chloro-3-methylphenol	23-97	64	60	63	72	96
Acenaphthene	46-118	70	64	68	72	94
4-Nitrophenol	10-80	79	71	79	81*	116*
2,4-Dinitrotoluene	24-96	82	76	82	74	96
Pentachlorophenol	9-103	65	57	64	84	111*
Pyrene	26-127	66	60	74	62	90

Extraction Date:		*06/12/96* BS	*06/12/96* BS	*06/19/96* BS	*06/28/96* BS
Pesticides					
gamma-BHC (Lindane)	56-123	96	86	18*	92
Heptachlor	40-131	76	74	20*	54
Aldrin	40-120	96	86	18*	84
Dieldrin	52-126	97	100	19*	95
Endrin	56-121	110	100	23*	100
4,4'-DDT	38-127	86	86	19*	75

Notes:
* Value is outside of control limits.
BS Blank Spike.

TABLE A.7

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY SUMMARY (PERCENT)
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATON
LOVE CANAL
JUNE - JULY 1996

Parameter	Recovery Control Limits	RPD Control Limits	5222			7115			8115			10210B			10225B		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
Volatiles																	
1,1-Dichloroethene	61-145	14	90	90	0	108	110	2	98	96	2	102	96	6	104	112	7
Trichloroethene	71-120	14	84	88	5	100	98	2	94	94	0	100	92	8	95	105	10
Benzene	76-127	11	92	90	2	108	104	4	100	98	2	106	106	0	92	100	8
Toluene	76-125	13	90	92	2	100	100	0	100	98	2	100	100	0	90	96	6
Chlorobenzene	75-130	13	90	92	2	100	100	0	104	98	6	98	96	2	92	98	6
Semi-Volatiles																	
Phenol	12-110	42	67	67	0	56	60	7	67	63	6	76	80	5	37	39	5
2-Chlorophenol	27-123	40	67	68	1	56	60	7	64	64	0	85	91	7	41	41	0
1,4-Dichlorobenzene	36-97	28	80	80	0	62	68	9	72	76	5	76	82	8	42	40	5
n-Nitroso-di-n-propylamine	41-116	38	82	82	0	66	72	9	74	66	11	74	80	8	46	44	4
1,2,4-Trichlorobenzene	39-98	28	76	76	0	66	72	9	68	72	6	82	88	7	44	42	5
4-Chloro-3-methylphenol	23-97	42	76	75	1	64	68	6	67	64	5	87	93	7	41	43	5
Acenaphthene	46-118	31	78	80	3	66	72	9	70	72	3	84	90	7	42*	42*	0
4-Nitrophenol	10-80	50	95*	93*	2	76	96*	23	56	53	6	112*	119*	6	41	43	5
2,4-Dinitrotoluene	24-96	38	94	92	2	78	90	14	72	70	3	84	88	5	42	42	0
Pentachlorophenol	9-103	50	83	83	0	73	84	14	60	55	9	147*	160*	8	48	49	2
Pyrene	26-127	31	76	82	8	64	76	17	52	52	0	82	94	14	36	38	5
Pesticides																	
gamma-BHC (Lindane)	56-123	15	94	102	8	84	82	2	102	106	4	64	72	12	96	102	6
Heptachlor	40-131	20	80	88	10	80	72	11	82	86	5	76	74	3	92	96	4
Aldrin	40-120	22	92	100	8	92	86	7	88	88	0	72	92	24*	98	102	4
Dieldrin	52-126	18	98	110	12	95	92	3	100	100	0	85	91	7	100	110	10
Endrin	56-121	21	110	120	9	100	100	0	110	110	0	86	96	11	110	120	9
4,4'-DDT	38-127	27	78	82	5	77	74	4	69	71	3	79	85	7	87	79	10

Notes:
* Value is outside of control limits.
MS Matrix Spike.
MSD Matrix Spike Duplicate.
RPD Relative Percent Difference.

TABLE A.8

FIELD DUPLICATE RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:		*5222*			*9105*			*10150*			*10215*		
	Units	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
Volatiles													
Chloromethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Bromomethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Vinyl chloride	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Chloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Methylene chloride	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Acetone	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 11	ND 10	*	ND 10	ND 10	*
Carbon disulfide	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Vinyl acetate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,1-Dichloroethene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,1-Dichloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,2-Dichloroethene (total)	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Chloroform	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,2-Dichloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Butanone	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,1,1-Trichloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Carbon tetrachloride	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Bromodichloromethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,2-Dichloropropane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
cis-1,3-Dichloropropene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Trichloroethene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Dibromochloromethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,1,2-Trichloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
trans-1,3-Dichloropropene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Bromoform	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Methyl-2-pentanone	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Hexanone	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Tetrachloroethene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,1,2,2-Tetrachloroethane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Toluene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Chlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Ethylbenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Styrene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Xylene (total)	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Chloroethylvinylether	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*

TABLE A.8

FIELD DUPLICATE RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:		*5222*			*9105*			*10150*			*10215*		
	Units	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
Semi-Volatiles													
Phenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
bis (2-Chloroethyl) ether	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Chlorophenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,3-Dichlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,4-Dichlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,2-Dichlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Methylphenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
bis(2-Chloroisopropyl) ether	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Methylphenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
n-Nitroso-di-n-propylamine	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Nitrobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Isophorone	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Nitrophenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4-Dimethylphenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
bis (2-Chloroethoxy) methane	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4-Dichlorophenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
1,2,4-Trichlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Naphthalene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Chloroaniline	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Hexachlorobutadiene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Chloro-3-methylphenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Methylnaphthalene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Hexachlorocyclopentadiene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4,6-Trichlorophenol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4,5-Trichlorophenol	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
2-Chloronaphthalene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2-Nitroaniline	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
Dimethylphthalate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Acenaphthylene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,6-Dinitrotoluene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
3-Nitroaniline	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
Acenaphthene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4-Dinitrophenol	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
4-Nitrophenol	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
Dibenzofuran	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
2,4-Dinitrotoluene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Diethylphthalate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*

TABLE A.8

FIELD DUPLICATE RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:		*5222*			*9105*			*10150*			*10215*		
	Units	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
Semi-Volatiles (Cont'd.)													
4-Chlorophenyl-phenylether	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Fluorene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Nitroaniline	µg/L	ND 20	ND 20	*	ND 20	ND 20	*	ND 20	ND 20	*	ND 20	ND 20	*
4,6-Dinitro-2-methylphenol	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
n-Nitroso-di-n-phenylamine (1)	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
4-Bromophenyl-phenylether	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Hexachlorobenzene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Pentachlorophenol	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
Phenanthrene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Anthracene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Di-n-butylphthalate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Fluoranthene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Pyrene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Butylbenzylphthalate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
3,3'-Dichlorobenzidine	µg/L	ND 20	ND 20	*	ND 20	ND 20	*	ND 20	ND 20	*	ND 20	ND 20	*
Benzo (a) anthracene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Chrysene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
bis (2-Ethylhexyl) phthalate	µg/L	ND 10	ND 11	*	ND 10	ND 10	*	ND 15	ND 10	*	ND 10	ND 10	*
Di-n-octylphthalate	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzo (b) fluoranthene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzo (k) fluoranthene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzo (a) pyrene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Indeno (1,2,3-cd) pyrene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Dibenzo (a,h) anthracene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzo (g,h,i) perylene	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Benzoic acid	µg/L	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*	ND 50	ND 50	*
Benzyl alcohol	µg/L	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Pesticides/PCBs													
alpha-BHC	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
beta-BHC	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
delta-BHC	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
gamma-BHC (Lindane)	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
Heptachlor	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
Aldrin	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
Heptachlor Epoxide	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*

TABLE A.8

FIELD DUPLICATE RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Location ID:		*5222*			*9105*			*10150*			*10215*		
	Units	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
Pesticides/PCBs (Cont'd.)													
Endosulfan I	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
Dieldrin	µg/L	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	µg/L	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	µg/L	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	µg/L	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	µg/L	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	µg/L	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	µg/L	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	µg/L	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Endrin Ketone	µg/L	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	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
gamma-Chlordane	µg/L	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*	ND 0.05	ND 0.05	*
Toxaphene	µg/L	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Aroclor-1016	µg/L	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-1221	µg/L	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*
Aroclor-1232	µg/L	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	µg/L	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	µg/L	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	µg/L	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	µg/L	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:
(1) Cannot be separated from Diphenylamine
* Value could not be calculated due to one or more non-detect values.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.
RPD Relative Percent Difference

TABLE A.9

FIELD BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Blank I.D.:	*DI Water*	*Bailer Blank*	*Bladder Pump #2*	*Bladder Pump #1*
Collection Date:	*06/07/96*	*06/17/96*	*06/20/96*	*06/20/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Volatiles				
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	0.7J
Acetone	7J	29	9J	30
Carbon disulfide	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	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	11	ND 10	2J	ND 10
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10
2-Butanone	ND 10	8J	ND 10	5J
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10
Carbon tetrachloride	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	4J	ND 10	ND 10	ND 10
1,2-Dichloropropane	7J	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10
Trichloroethene	0.5J	ND 10	ND 10	ND 10
Dibromochloromethane	0.9J	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	2J	1J	1J
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
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10

TABLE A.9

FIELD BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Blank I.D.:	*DI Water*	*Bailer Blank*	*Bladder Pump #2*	*Bladder Pump #1*
Collection Date:	*06/07/96*	*06/17/96*	*06/20/96*	*06/20/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles				
Phenol	ND 10	ND 10	17	2J
bis (2-Chloroethyl) ether	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10
bis(2-Chloroisopropyl) ether	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10
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
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10
bis (2-Chloroethoxy) methane	ND 10	ND 10	ND 10	ND 10
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	ND 50	ND 50	ND 50	ND 50
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 50	ND 50	ND 50	ND 50
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10
Acenaphthylene	ND 10	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	ND 50	ND 50	ND 50	ND 50
Acenaphthene	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 50	ND 50	ND 50	ND 50
4-Nitrophenol	ND 50	ND 50	ND 50	ND 50
Dibenzofuran	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	0.4J	0.5J	0.7J	0.4J
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10
4-Nitroaniline	ND 20	ND 20	ND 20	ND 20
4,6-Dinitro-2-methylphenol	ND 50	ND 50	ND 50	ND 50
n-Nitroso-di-n-phenylamine (1)	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10

TABLE A.9

FIELD BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Blank I.D.:	*DI Water*	*Bailer Blank*	*Bladder Pump #2*	*Bladder Pump #1*
Collection Date:	*06/07/96*	*06/17/96*	*06/20/96*	*06/20/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Semi-Volatiles (Cont'd.)				
Pentachlorophenol	ND 50	ND 50	ND 50	ND 50
Phenanthrene	ND 10	ND 10	ND 10	ND 10
Anthracene	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	3J	2J	2J	2J
Fluoranthene	ND 10	ND 10	ND 10	ND 10
Pyrene	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	ND 10	ND 10	1J	ND 10
3,3'-Dichlorobenzidine	ND 20	ND 20	ND 20	ND 20
Benzo (a) anthracene	ND 10	ND 10	ND 10	ND 10
Chrysene	ND 10	ND 10	ND 10	ND 10
bis (2-Ethylhexyl) phthalate	49	1J	3J	2J
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10
Benzo (b) fluoranthene	ND 10	ND 10	ND 10	ND 10
Benzo (k) fluoranthene	ND 10	ND 10	ND 10	ND 10
Benzo (A) pyrene	ND 10	ND 10	ND 10	ND 10
Indeno (1,2,3-cd) pyrene	ND 10	ND 10	ND 10	ND 10
Dibenzo (a,h) anthracene	ND 10	ND 10	ND 10	ND 10
Benzo (g,h,I) perylene	ND 10	ND 10	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 50	ND 50
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10
Pesticides/PCBs				
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Heptachlor Epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Dieldrin	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
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Endosulfan II	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
Endosulfan Sulfate	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
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Endrin Ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0

TABLE A.9

FIELD BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Blank I.D.:	*DI Water*	*Bailer Blank*	*Bladder Pump #2*	*Bladder Pump #1*
Collection Date:	*06/07/96*	*06/17/96*	*06/20/96*	*06/20/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Pesticides/PCBs (Cont'd.)				
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Aroclor-1221	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
Aroclor-1242	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
Aroclor-1254	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

Notes:
(1) Cannot be separated from diphenylamine.
J Associated value is estimated.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.

TABLE A.10

TRIP BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Collection Date:	*06/07/96*	*06/10/96*	*06/13/96*	*06/14/96*	*06/17/96*	*06/18/96*
Units:	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
Volatiles						
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl chloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Methylene chloride	1J	0.6J	0.6J	1J	ND 10	2J
Acetone	ND 10	3J	5J	5J	ND 10	ND 10
Carbon disulfide	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	ND 10	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	ND 10	ND 10
Chloroform	12	14	12	4J	4J	4J
1,2-Dichloroethane	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
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	4J	5J	4J	ND 10	ND 10	ND 10
1,2-Dichloropropane	7J	6J	6J	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	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
Dibromochloromethane	1J	1J	1J	ND 10	ND 10	ND 10
1,1,2-Trichloroethane	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
trans-1,3-Dichloropropene	ND 10	ND 10	ND 10	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	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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
Toluene	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
Ethylbenzene	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
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethyl vinyl ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE A.10

TRIP BLANK RESULTS SUMMARY
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL
JUNE - JULY 1996

Collection Date:	*06/20/96*	*06/21/96*	*06/26/96*	*06/27/96*	*07/01/96*	*07/05/96*
Units:	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Volatiles						
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl chloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Methylene chloride	0.8J	1J	0.7J	ND 10	ND 10	ND 10
Acetone	ND 10	ND 10	5J	8J	ND 10	ND 10
Carbon disulfide	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	ND 10	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	ND 10	ND 10
Chloroform	4J	4J	4J	ND 10	ND 10	ND 10
1,2-Dichloroethane	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
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	0.6J	ND 10	0.6J	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	ND 10	ND 10
Trichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	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
Benzene	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
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	ND 10
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	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
Toluene	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
Ethylbenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Styrene	ND 10	ND 10	ND 10	0.3J	ND 10	ND 10
Xylene (total)	ND 10	ND 10	0.6J	ND 10	ND 10	ND 10
2-Chloroethyl vinyl ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

Notes:
(1) Cannot be separated from diphenylamine.
NDx Not detected at or above x.

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL, NIAGARA FALLS, NEW YORK
JUNE-JULY 1996

Sample Location	*Volatile Organics*	*Estimated Concentration ug/L*	*Semi-Volatile Organics*	*Estimated Concentration ug/L*
8125	None	NA	Unknown	8J
			Unknown C7H12 isomer	2J
9001	None	NA	Unknown	15J
			Ethanol, 2-phenoxy-	6J
			Ethanol, 2-(2-butoxyethoxy)-	3J
			Hexanoic acid	2J
			Hexanoic acid, 2-ethyl-	2J
9002	None	NA	Sulfur, mol. (S8)	90J
			Unknown	6J
9003	None	NA	Unknown	5J
9004	None	NA	Sulfur, mol. (S8)	350J
			Unknown	9J
10225A	Methane, thiobis-	500J	Sulfur, mol. (S8)	850J
	Disulfide, dimethyl-	100J	Dimethyl tetrasulphide	44J
	Ethane, (methylthio)-	50J	Propanoic acid, 2-methyl-	24J
	Unknown	9J	Unknown	18J
			Dimethyl sulfone	4J
			Thiophene, tetrahydro-2-methyl-	2J
10225B	Methane, thiobis-	10J	Sulfur, mol. (S8)	2100J
			Unknown	32J
10225C	None	NA	Unknown	2J

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL, NIAGARA FALLS, NEW YORK
JUNE-JULY 1996

Sample Location	*Volatile Organics*	*Estimated Concentration ug/L*	*Semi-Volatile Organics*	*Estimated Concentration ug/L*
10135	Unknown isomer of benzene	10000J	Unknown C7H5CLO2 isomer	16000J
	Unknown	600J	Benzene, 1-chloro-2-methyl-	4900J
			Butanoic acid	2900J
			Unknown C7H7CL isomer	2500J
			Unknown chloro-benzoic acid	2000J
			Benzenemethanol, 2-chloro-	1600J
			Unknown	3800J
			Unknown acid	1400J
			Unknown dichloromethylbenzene	730J
			Unknown dichlorophenol isomer	300J
9105	Unknown	9J	Unknown	8J
10278	Unknown	5J	Unknown acid	98J
			Vanillin	8J
			Ethanone, 1-(4-hydroxy-3-methoxy)-	3J
			benzaldehyde, 4-hydroxy-	3J
			Indole	3J
			Ethanone, 1-(4-hydroxy-3,5-dimethoxy)-	2J
10210A	Dimethyl sulfide	220J	Sulfur, mol. (S8)	1600J
	Disulfide, dimethyl-	55J	Dimethyl tetrasulphide	50J
			Disulfide, dimethyl	44J
			Unknown	12J
			Dimethyl sulfone	2J
10150	None	NA	Unknown	5J
			Unknown C7H12 isomer	2J

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL, NIAGARA FALLS, NEW YORK
JUNE-JULY 1996

Sample Location	*Volatile Organics*	*Estimated Concentration ug/L*	*Semi-Volatile Organics*	*Estimated Concentration ug/L*
10105	None	NA	Unknown	21J
10205	None	NA	Sulfur, mol. (S8)	680J
			Unknown	12J
10215	None	NA	Sulfur, mol. (S8)	440J
9113	None	NA	Unknown	8J
9118	None	NA	Unknown	8J
			Hexanoic acid, 2-ethyl-	3J
			Unknown C7H12 isomer	2J
9130	None	NA	Unknown	10J
			Hexanoic acid, 2-ethyl-	3J
6209	None	NA	Sulfur, mol. (S8)	63J
			Unknown	13J
			Drometrizole	6J
10210C	None	NA	Unknown acid	96J
			Unknown	24J
			Butanoic acid	26J
			Hexanoic acid, 2-ethyl-	5J
			Pentanoic acid	4J

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL, NIAGARA FALLS, NEW YORK
JUNE-JULY 1996

Sample Location	*Volatile Organics*	*Estimated Concentration ug/L*	*Semi-Volatile Organics*	*Estimated Concentration ug/L*
10210B	None	NA	Unknown	30J
			Hexanoic acid, 2-ethyl-	7J
			Unknown acid	11J
			Unknown C6H10O isomer	4J
			Ethanol, 2-(2-butoxyethoxy)-	2J
			Ethylene glycol diglycidyl ether	2J
			Unknown C8H8O3 isomer	2J
9210	None	NA	Unknown	5J
			Phosphoric acid tributly ester	2J
7115	None	NA	Unknown	4J
7125	None	NA	1,2-Cyclohexanediol, trans-	5J
			Unknown	3J
			Unknown acid	6J
7132	None	NA	Unknown	3J
			Unknown acid	4J
			Ethanol, 2-phenoxy-	2J
9122	None	NA	Unknown acid	4J
			Unknown	3J
			Ethanol, 2-phenoxy-	3J
10178B	None	NA	Unknown	5J
10115	None	NA	Unknown	5J
10270	None	NA	Unknown	4J

ATTACHMENT A.1

TENTATIVELY IDENTIFIED COMPOUNDS
LONG-TERM MONITORING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
LOVE CANAL, NIAGARA FALLS, NEW YORK
JUNE-JULY 1996

Sample Location	*Volatile Organics*	*Estimated Concentration ug/L*	*Semi-Volatile Organics*	*Estimated Concentration ug/L*
10272	None	NA	Unknown	6J
3257	None	NA	Unknown	2J
			Phenol, 4,4'-(1-methylethylidene)	2J
			Benzenesulfonamide, 4-methyl	2J
8106	None	NA	Unknown acid	3J
			Ethanol, 2-phenoxy-	2J
			Unknown	2J
5222	None	NA	Unknown C7H4CLF3 isomer	3J
			Unknown	2J
7205	None	NA	Unknown acid	23J
9001	None	NA	Unknown	2J
7130	None	NA	Unknown	2J
8210	None	NA	None	NA
9205	None	NA	None	NA
8115	None	NA	None	NA

Notes:
NA Not Applicable.
J Associated value is estimated.

ATTACHMENT A.2

CHAIN OF CUSTODY FORMS

IE
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200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF NO.

JOB #: 7096, 9968, B

CLIENT: Occidental Chemical Corp

PROJECT ID: 017370 - LOVE CANAL

PROJECT MGR: STEPHANIE PLUKETT

RUSH ☑ YES ☐ NO DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA EST	TESTS: VOL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1L GL	BOTTLE TYPE AND PRESERVATIVE: VOA (HCL)							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	9105	6/13/96 9:30 A	AQ	04	N	3	2							
	9001	6/13/96 10:45 A	AQ	05	N	3	2							
	9113	6/13/96 11:30 A	AQ	06	N	3	2							VOL
	9118	6/13/96 11:45 A	AQ	07	N	3	2							VOL
	8125	6/13/96 12:30 P	AQ	08	N	3	2							VOL
	9001	6/13/96 10:45A	AQ	~~09~~	N	3	2	05						VOL
	TEMP BLANK	6/13/96		PC 6/14/96										
	TRIP BLANK	6/13/96		10			2							4.1°C DC 6/14/96

MATRIX CODES

AIR	S	-	SOIL
AQUEOUS	SL	-	SLUDGE
COMPLEX	W	-	WIPE
DRUM WASTE	O	-	OTHER
OIL	FB	-	FIELD BLANK
	TB	-	TRIP BLANK

BOTTLES PREPPED BY: Darrell Crockett — DATE / TIME: 6/13/96 9:00 — SIGNATURE: Darrell Crockett

SAMPLES COLLECTED BY: Darrell Crockett — DATE / TIME: 6/13/96 1:30 P — SIGNATURE: Darrell Crockett

BOTTLES REC'D BY — DATE / TIME — SIGNATURE

RECEIVED IN LAB BY — DATE / TIME: 6/14/96 10[illegible] — SIGNATURE: Marilyn Colon

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS

DC 6/14/96

LABORATORY COPY

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200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

A JOB #: 7096-0968B
IENT: Occidental Chemical Corp.
OJECT ID: 017370 - Love Canal
A PROJECT MGR: Steve Plunkett
RUSH ☑ YES ☐ NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: VOL							BOTTLE TYPE AND PRESERVATIVE: 1L GL	BOTTLE TYPE AND PRESERVATIVE: VOA (HCL)							GENERAL REMARKS / SAMPLE REMARKS
						FIELD FILTERED - CIRCLE Y or N																
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N									
	9118	6/13/96 11:45a	AQ	07	N	3	2															
	8125	6/13/96 12:30p	AQ	08	N	3	2															
	9113	6/13/96 1:30p	AQ	06	N	3	2															
	Temp Blank																					3°C DC 6/14/96

MATRIX CODES

AIR	S - SOIL
AQUEOUS	SL - SLUDGE
COMPLEX	W - WIPE
DRUM WASTE	O - OTHER
OIL	FB - FIELD BLANK
	TB - TRIP BLANK

BOTTLES PREPPED BY: Darrell Plunkett	DATE / TIME: 6/13/96 9:00A	BOTTLES REC'D BY	DATE / TIME
SIGNATURE:		SIGNATURE	
SAMPLES COLLECTED BY: Darrell Plunkett	DATE / TIME: 6/13/96 1:30p	RECEIVED IN LAB BY	DATE / TIME: 6/14/96
SIGNATURE:		SIGNATURE: Marilyn Colon	10:00

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS

DC 6/14/96

...RATE ...OPY

IEA
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200 Monroe Turnpike
M[illegible], CT 0[illegible]
203-261-4458

CHAIN OF [illegible]TODY RECORD

PAGE [ ] OF [ ] NO. [ ]

A JOB #: 7096-0968B
IENT: Occidental Chemical Corp
OJECT ID: 017370 - Love Canal
A PROJECT MGR: Stephanie Plunkett
RUSH [X] YES [ ] NO DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: TOL	TESTS:	TESTS:	TESTS:	TESTS:	TESTS:	TESTS:	GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE:								
						IL								
						GL	UOA (HCl)							
						FIELD FILTERED - CIRCLE Y or N:								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	6209	6/13/96 12:30 pm	AQ	11	N	3	3							
	9130	6/13/96 12:45 pm	AQ	[illegible]	N	3	2							
	Temp Blank			DC	6/14/96									
	Trip Blank			10			2							
														3°C DC 6/14/96

010

MATRIX CODES

A	AIR	S	SOIL
AQ	AQUEOUS	SL	SLUDGE
C	COMPLEX	W	WIPE
DW	DRUM WASTE	O	OTHER
OIL	OIL	FB	FIELD BLANK
		TB	TRIP BLANK

BOTTLES PREPPED BY: Scott Parkhill — DATE / TIME: 6/13/96 12:00 pm
SIGNATURE: Scott Parkhill

SAMPLES COLLECTED BY: Scott Parkhill — DATE / TIME: 6/13/96 12:30 pm
SIGNATURE: Scott Parkhill

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME: 6/14/96 10[illegible]
SIGNATURE: Marilyn Cola

REMARKS ON SAMPLE RECEIPT

[X] BOTTLES INTACT [X] CUSTOD[illegible]
[X] PRESERVED [X] SEA[illegible]
[X] CHILLED [ ] S[illegible]
DC 6/14/96

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Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096-0968 B
CLIENT: Occidental Chemical Corp
PROJECT ID: 017370 - LOVE CANAL
PROJECT MGR: Stephanie Plunkett
RUSH ☒ YES ☐ NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: VOL (HCL)							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1L GL	VOA (HCL)							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	10115	6/14/96	AQ	13	N	3	2							
	10270	6/14/96	AQ	14	N	3	2							
	10272	6/14/96	AQ	15	N	3	2							
	10178B	6/14/96	AQ	16	N	3	2							VOLS
	Temp BLANK													3° DC 6/15/96
	TRIP BLANK			17			2							
	9122	6/14/96	AQ	18	N	3	2							VOLS
											Passed Rad Screen DC 6/15/96			

MATRIX CODES

AIR	S	-	SOIL
AQUEOUS	SL	-	SLUDGE
COMPLEX	W	-	WIPE
DRUM WASTE	O	-	OTHER
OIL	FB	-	FIELD BLANK
	TB	-	TRIP BLANK

BOTTLES PREPARED BY: Darrell Pluckett	DATE / TIME: 6/14/96 9:00 A.m.	BOTTLES REC'D BY	DATE / TIME
SIGNATURE		SIGNATURE	
SAMPLES COLLECTED BY: Darrell Pluckett	DATE / TIME: 6/14/96 12:20 P.m.	RECEIVED IN LAB BY: D. Colon	DATE / TIME: 6/15/96
SIGNATURE		SIGNATURE	10:00

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS

DC 6/15/96

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M[illegible] CT 0[illegible]
203-261-4458

CHAIN OF [illegible]TOD[illegible] RECORD

PAGE [ ] OF [ ] NO. [ ]

JOB #: 7096-096EB

CLIENT: Occidental Chemical Corp.

PROJECT ID: 017370 - LOVE CANAL

PROJECT MGR: Stephanie Puckett

RUSH ☒ YES ☐ NO DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: VOL							BOTTLE TYPE AND PRESERVATIVE: IL GL	BOTTLE TYPE AND PRESERVATIVE: VOA (HCL)							FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N									Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	9122	6/14/96 8:00 a.m.	AQ	[illegible]	N	3	2		18																					
	10178B	6/14/96 11:00 a.m.	AQ	[illegible]	N	3	2		16																					
				DC	6/15/96																									

Passed Rad Screen
DC 6/15/96

GENERAL REMARKS

MATRIX CODES

AIR	S	SOIL
AQUEOUS	SL	SLUDGE
COMPLEX	W	WIPE
DRUM WASTE	O	OTHER
OIL	FB	FIELD BLANK
	TB	TRIP BLANK

BOTTLES PREPPED BY: Darrell Puckett — DATE / TIME: 6/14/96 9:00 a.m.
SIGNATURE: [signature]

SAMPLES COLLECTED BY: Darrell Puckett — DATE / TIME: 6/14/96 1:00 p.m.
SIGNATURE: [signature]

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: D. Colon — DATE / TIME: 6/15/96
SIGNATURE: Darlyn Colon 1000

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS
DC 6/15/96

LABORATORY COPY

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Monroe, CT 06468
203-261-4458

CHAIN OF C' TODY RECORD

PAGE OF | NO. 1

JOB #: 7096-096ECID
CLIENT: OXY CHEM
PROJECT ID: LOVE CANAL
PROJECT MGR: STEPHANIE PLUNKETT
RUSH [X] YES [ ] NO | DUE DATE

CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA Pesticides	TESTS: VOA (HLL)							GENERAL REMARKS / SAMPLE REMARKS
					BOTTLE TYPE AND PRESERVATIVE								
					FIELD FILTERED - CIRCLE Y or N								
9002	6/17/96	AQ	02	N	3								
5222	6/17/96 10:15 FA.	AQ	20	X	3								

Passed Rad Screen
DP 6/18/96

MATRIX CODES
AIR · AQUEOUS · COMPLEX · DRUM WASTE · OIL
S - SOIL · SL - SLUDGE · W - WIPE · O - OTHER · FB - FIELD BLANK · TB - TRIP BLANK

BOTTLES PREPPED BY: Danielle Gantt — DATE / TIME: 6/17/96 8a
SIGNATURE: Danielle Gantt

SAMPLES COLLECTED BY: Danielle Gantt — DATE / TIME: 6/17/96 11A
SIGNATURE: Danielle Gantt

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY — DATE / TIME: 6/18/96
SIGNATURE: 10:20

REMARKS ON SAMPLE RECEIPT
[ ] BOTTLES INTACT [ ] CUSTODY SEALS
[ ] PRESERVED [ ] SEALS INTACT
[ ] CHILLED [ ] SEE REMARK

An Aquarion Company

200 Monroe Turnpike
Mor T 064
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096-0968CID

NT: Oxy Chem

JECT ID: Love Canal

PROJECT MGR: Stephanie Plunkett

RUSH [X] YES [ ] NO DUE DATE

CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	BNA	Pesticide	VOA (HCl)						SAMPLE REMARKS
					Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
10278	6/17/96 9:36A	AQ	19	N	3	2							
5222	6/17/96 10:15A	AQ	20	N	3	4		(1)	VOA	REC	BROKEN		
Baxter Blank	6/17/96 1030A	AQ	01	N	3	2							
9002	6/17/96	AQ	02	N		2							
Trip Blank		AQ	03			1							
Temp Blank		AQ				1							

GENERAL REMARKS

Passed Red Screen 3° DC 6/18/96
DC 6/18/96

MATRIX CODES

AIR	S	SOIL
AQUEOUS	SL	SLUDGE
COMPLEX	W	WIPE
DRUM WASTE	O	OTHER
OIL	FB	FIELD BLANK
	TB	TRIP BLANK

BOTTLES PREPPED BY: Darrell Crockett DATE / TIME: 6/17/96 8A
SIGNATURE: [signature]

BOTTLES REC'D BY: DATE / TIME:
SIGNATURE:

SAMPLES COLLECTED BY: Darrell Crockett DATE / TIME: 6/17/96 11A
SIGNATURE: [signature]

RECEIVED IN LAB BY: DATE / TIME: 6/18/96 1000
SIGNATURE: [signature]

REMARKS ON SAMPLE RECEIPT

[ ] BOTTLES INTACT [ ] CUSTODY SEALS
[ ] PRESERVED [ ] SEALS INTACT
[ ] CHILLED [ ] SEE REMARKS

014

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CHAIN OF C TODY RECORD

PAGE OF | NO.

JOB #: 7096-096ECID
ENT: CAX CHem
JECT ID: LOVE CANAL
PROJECT MGR: STEPHANIE PLUNKETT
RUSH [X] YES [ ] NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BOTTLE TYPE AND PRESERVATIVE	FIELD FILTERED - CIRCLE Y or N	SAMPLE REMARKS
	10278	6/17/96 9:30A	AQ	19	N	3 / 2		
	5????	6/17/96 10:15A	AQ	20	~~N~~ Y	3 / 4	(1) VOA REC BROKEN	
	Blank Blank	6/17/96 10:30A	AQ	01	N	3 / 2		
	9002	6/17/96	AQ	02	N	/ 2		
	Trip Blank		AQ	03		/ 1		
	Temp Blank		AQ			/ 1		

~~Passed Red Screen~~ 3?? DC 6/18/96
DC 6/18/96

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
DW - DRUM WASTE
O - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY: [illegible] DATE / TIME: 6/17/96 8A
SIGNATURE: [illegible]

SAMPLES COLLECTED BY: [illegible] DATE / TIME: 6/17/96 11A
SIGNATURE: [illegible]

BOTTLES REC'D BY | DATE / TIME
SIGNATURE

RECEIVED IN LAB BY | DATE / TIME: 6/18/96 1000
SIGNATURE: Diola

REMARKS ON SAMPLE RECEIPT

[ ] BOTTLES INTACT [ ] CUSTODY SEALS
[ ] PR ED [ ] SEALS INTACT
[ ] CHILLED [ ] SEE REMARKS

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096-0968CID
CLIENT: Oxy Chem
PROJECT ID: Love Canal
PROJECT MGR: Stephanie Plunkett
RUSH ☒ YES ☐ NO | DUE DATE

TESTS: BNA Pesticide | VOA (HCL)

BOTTLE TYPE AND PRESERVATIVE

CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
9002	6/17/96	AQ	02	N	3								
5222	6/17/96 10:15A	AQ	20	X	3								

(FIELD FILTERED - CIRCLE Y or N)

GENERAL REMARKS

Passed Rad Screen DE 6/18/96

MATRIX CODES

AIR
AQUEOUS
COMPLEX
DRUM WASTE
OIL

S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
Darrell Crockett	6/17/96		
SIGNATURE: D. Crockett		SIGNATURE:	
SAMPLES COLLECTED BY: Darrell Crockett	DATE / TIME: 6/17/96 11A	RECEIVED IN LAB BY	DATE / TIME: 6/18/96
SIGNATURE: D. Crockett		SIGNATURE: [signature]	10:00

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT
☐ PRESERVED
☐ CHILLED
☐ CUSTODY SEALS
☐ SEALS INTACT
☐ SEE REMARKS

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CHAIN OF C TODY RECORD

PAGE OF | NO.

JOB #: 7096 0968C
ENT: Oxy Chem
)JECT ID: Love Canal
PROJECT MGR: Stephanie Plunkett
RUSH ☐ YES ☐ NO | DUE DATE

E	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: VOA HCL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	1015C	6/18/96 11:15A.	AQ	04	N	3	2							
	1022SC	6/18/96 Rad	AQ	05	N	3	2							
	9003	6/18/96 11:00	AQ	06	N	3	2							
	Temp Blank			—			1							7°C
	Trip Blank			07			2 EN 6/19/96							
														Passed Rad Screen EN 6/19/96

MATRIX CODES

AIR	S	-	SOIL
AQUEOUS	SL	-	SLUDGE
COMPLEX	W	-	WIPE
DRUM WASTE	O	-	OTHER
OIL	FB	-	FIELD BLANK
	TB	-	TRIP BLANK

BOTTLES PREPARED BY: Darrell Gullett — DATE / TIME: 6/14/96 9:00A
SIGNATURE: Darrell Gullett
SAMPLES COLLECTED BY: Darrell Gullett — DATE / TIME: 6/18/96 14:--
SIGNATURE: Darrell Gullett

BOTTLES REC'D BY — DATE / TIME
SIGNATURE
RECEIVED IN LAB BY: EN JOHNSON — DATE / TIME: 6/19/96 1000
SIGNATURE: IEN CT

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☑ CUSTODY SEALS
☐ PRESERVED ☑ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

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CHAIN OF CUSTODY RECORD

PAGE [ ] OF [ ] NO. [ ]

JOB #: 7096-098C

CLIENT: Oxychem

PROJECT ID: Cove Canal

PROJECT MGR: Stephanie Plunkett

RUSH [X] YES [ ] NO DUE DATE

E	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / (N)	TESTS: BNA PEST	TESTS: VOA HCL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1LA	BOTTLE TYPE AND PRESERVATIVE: 250mL CG							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	10225A	6/21/96 12:45 pm	AQ	11	N	3	2							
	Temp Blank		AQ	/	N		1							3°C DC 6/22
	Trip Blank		AQ	12	N		1							

Passed Rad Screen
DC 6/22/96

MATRIX CODES

AIR	S - SOIL
AQUEOUS	SL - SLUDGE
COMPLEX	W - WIPE
DRUM WASTE	O - OTHER
OIL	FB - FIELD BLANK
	TB - TRIP BLANK

BOTTLES PREPPED BY: Scott Parkhill	DATE / TIME: 6/21/96 12:00 pm	BOTTLES REC'D BY	DATE / TIME
SIGNATURE: Scott Parkhill		SIGNATURE	
SAMPLES COLLECTED BY: Scott Parkhill	DATE / TIME: 6/21/96	RECEIVED IN LAB BY: D. Glen	DATE / TIME: 6/22/96
SIGNATURE: Scott Parkhill	12:45 pm	SIGNATURE: Marilyn Colon	10:00

REMARKS ON SAMPLE RECEIPT

[X] BOTTLES INTACT [X] CUSTODY SEALS
[X] PRESERVED [X] SEALS INTACT
[X] CHILLED [ ] SEE REMARKS

DC 6/22/96

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CHAIN OF C TODY RECORD

PAGE OF | NO.

JOB #: 7096-0468C
ENT: Oxy Chem
)JECT ID: Love Canal
PROJECT MGR:
RUSH ☐ YES ☐ NO DUE DATE

E	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	TESTS: VOA HCL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	Bladder Pump #1	6/22/96 11:30A	AQ	08	N	3	2							
	Pump #2	6/20/96 11:30A	AQ	09	N	3	2							
	TRIP BLANK		AQ	/	N		1							3° DC 6/21/96
	TRIP BLANK		AQ	10	N		1							
											Passed Rad Screen DC 6/21/96			

MATRIX CODES

AIR		S	SOIL
AQUEOUS		SL	SLUDGE
COMPLEX		W	WIPE
DRUM WASTE		O	OTHER
OIL		FB	FIELD BLANK
		TB	TRIP BLANK

BOTTLES PREPPED BY: Darrell Crockett DATE / TIME: 6/20/96 11:00A
SIGNATURE: Darrell Crockett

SAMPLES COLLECTED BY: Darrell Crockett DATE / TIME: 6/22/96 12:00 noon
SIGNATURE: Darrell Crockett

BOTTLES REC'D BY: D. Colon DATE / TIME: 6/21/96
SIGNATURE: Marilyn Colon 10:00

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS

Dr. 6/21/96

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096-0968C

CLIENT: Oxy Chem

PROJECT ID: Love Canal

PROJECT MGR: Stephanie Plunkett

RUSH [X] YES [ ] NO | DUE DATE

CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA TEST (FIELD FILTERED Y / N)	TESTS: VOA HCL (FIELD FILTERED Y / N)	TESTS:	TESTS:	TESTS:	TESTS:	TESTS:	TESTS:	SAMPLE REMARKS
					BOTTLE TYPE AND PRESERVATIVE: 1 LA	250 mL							
10225G	6/25/96 12:35P	AQ	13	Y	6	4							
Temp Blank		AQ	/	N		1							3° DC 6/26
TRIP BLANK		AQ	-	N		1	REC BROKEN DC 6/26/96						

Passed Red Screen
CP 06/26/96

MATRIX CODES

AIR	S - SOIL
AQUEOUS	SL - SLUDGE
COMPLEX	W - WIPE
DRUM WASTE	O - OTHER
OIL	FB - FIELD BLANK
	TB - TRIP BLANK

BOTTLES PREPPED BY: Darrell Plunkett	DATE / TIME: 6/25/96 9:00 A.m.	BOTTLES REC'D BY
SIGNATURE: Darrell Plunkett		SIGNATURE
SAMPLES COLLECTED BY: Darrell Plunkett	DATE / TIME: 6/25/96 1:00 P.m.	RECEIVED IN LAB BY: CP Damiani
SIGNATURE: Darrell Plunkett		SIGNATURE

DATE / TIME (BOTTLES REC'D BY): 06/26/96 10:00

REMARKS ON SAMPLE RECEIPT

- [ ] BOTTLES INTACT
- [ ] CUSTODY SEALS
- [X] PRESERVED
- [ ] SEALS INTACT
- [X] CHILLED
- [ ] SEE REMARKS

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CHAIN OF C TODY RECORD

PAGE | OF | NO.

JOB #: 7096-968
ENT: Oxy Chem
)JECT ID: Love Canal
PROJECT MGR: Stefanie Plunkett
RUSH ☐ YES ☐ NO DUE DATE

E	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA	TESTS: VOA	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1 LA	40mL							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	10105	6/26/96 10:30	AQ	14	N	3	2							
	10205	6/26/96 11:30	AQ	15	N	3	2							
	TRIP BLANK			16			1							
	TEMP BLANK						1							3°C

Passed Rad Screen
06/27/96

MATRIX CODES

AIR	S - SOIL
AQUEOUS	SL - SLUDGE
COMPLEX	W - WIPE
DRUM WASTE	O - OTHER
OIL	FB - FIELD BLANK
	TB - TRIP BLANK

BOTTLES PREPPED BY: Darrell Cutt — DATE / TIME: 6/26/96 12:00P
SIGNATURE: Darrell Cutt

SAMPLES COLLECTED BY: Darrell Cutt — DATE / TIME: 6/26/96 12:00P
SIGNATURE: Darrell Cutt

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: CP Damian — DATE / TIME: 06/27/96 10:00
SIGNATURE

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS

15

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 NO.

JOB #: 7096-0968C

CLIENT: Oxy Chem

PROJECT ID: Love Canal

PROJECT MGR: Stefanie Plunkett

RUSH [X] YES [ ] NO DUE DATE

TESTS								GENERAL REMARKS
BNA PEST	VOA HCL							
BOTTLE TYPE AND PRESERVATIVE								
1LA	40mL							

CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
10135	6/27/96	AQ	17	N	3	2							
10215	6/27/96 10:05A	AQ	18	N	3	2							
9004	6/27/96 10:09A	AQ	19	N	3	2							
Field Blank (TB) [illegible] CAR		AQ	20			1							
Temp Blank		AQ				1							3°C

(Field Filtered - Circle Y or N applies to the Y / N columns)

Passed Rad Screen
[signature] 6/28/96

MATRIX CODES		
AIR	S - SOIL	
AQUEOUS	SL - SLUDGE	
COMPLEX	W - WIPE	
DRUM WASTE	O - OTHER	
OIL	FB - FIELD BLANK	
	TB - TRIP BLANK	

BOTTLES PREPRED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
David Corbett	6/27/96 9:00A		
SIGNATURE: [signature]		SIGNATURE:	
SAMPLES COLLECTED BY	**DATE / TIME**	**RECEIVED IN LAB BY**	**DATE / TIME**
David Corbett	6/27/96 12:[illegible]P	[signature]	6/28/96
SIGNATURE: [signature]		SIGNATURE:	

REMARKS ON SAMPLE RECEIPT

- [ ] BOTTLES INTACT
- [ ] CUSTODY SEALS
- [ ] PRESERVED
- [ ] SEALS INTACT
- [ ] CHILLED
- [ ] SEE REMARKS

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203-261-4458

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 | NO. OC-1

JOB #: 7096-096EA
CLIENT: Occidental Chemical Corp.
PROJECT ID: 01737O - LOVE CANAL
PROJECT MGR: Stephanie FLUNKETT
RUSH ☐ YES ☐ NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA	TESTS: VOL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1L GL	BOTTLE TYPE AND PRESERVATIVE: VOA VIAL (HCL)							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	7115	6/6/96 9:30A.	AQ	01	Y	6	3							MS/MSD
	7125	6/6/96 10:41A.	AQ	02	N	3	2							
	7132	6/6/96 11:10A.	AQ	03	N	3	2							
	7130	6/6/96 11:30A.	AQ	04	N	3	2							
	Temp Blank													4°C DC 6/7/96 client sent back FB H2O.
	Field Blank													
											Passed Rad Screen DC 6/7/96			

MATRIX CODES

AIR		S	SOIL
AQUEOUS		SL	SLUDGE
COMPLEX		W	WIPE
DRUM WASTE		O	OTHER
OIL		FB	FIELD BLANK
		TB	TRIP BLANK

BOTTLES PREPPED BY: Darnell Crockett / Scott Parkhill DATE / TIME: 6/6/96 9:00A.
SIGNATURE: Darnell Crockett

SAMPLES COLLECTED BY: Darnell Crockett DATE / TIME: 6/6/96 12:00P.
SIGNATURE: Darnell Crockett

BOTTLES REC'D BY: DATE / TIME:
SIGNATURE:

RECEIVED IN LAB BY: D Colon DATE / TIME: 6/7/96
SIGNATURE: Marilyn Colon 1000

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☐ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS
DC 6/7/96

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203-261-4458

CHAIN OF [illegible] STOD[illegible] RE[illegible]RD

PAGE [illegible] OF [illegible]

NO. [illegible]

JOB #: 7096 - 096A

CLIENT: Occidental Chemical Corp.

PROJECT ID: 07370 - Love Canal

PROJECT MGR: Stephanie PLUNKETT

RUSH [X] YES [ ] NO DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA	TESTS: VOL							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1L GL	VOA (HCL)							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	3257	6/7/96 10:20A	AQ	05		3	2							
	8106	6/7/96 11:35A	AQ	06		3	2							
	7205	6/7/96 9:35A	AQ	07		3	2							
	Equip BLANK	6/7/96 11:50A	AQ	08			2							
	Temp BLANK	6/7/96	AQ											3°C DC 6/8/96
	DI water Blank	6/7/96 11:50AM	AQ	09		3	2							

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
DW - DRUM WASTE
O - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY: Darrell Crockett — DATE / TIME: 6/7/96 11:57A

SIGNATURE: Darrell Crockett

SAMPLES COLLECTED BY: Darrell Crockett / Scott Parkhill / Kevin Laycock — DATE / TIME: 6/7/96 11:57A

SIGNATURE: Darrell Crockett

BOTTLES REC'D BY — DATE / TIME

SIGNATURE

RECEIVED IN LAB BY: D. Colon — DATE / TIME: 6/8/96

SIGNATURE: Marilyn Colon — 1000

REMARKS ON SAMPLE RECEIPT

[X] BOTTLES INTACT
[X] CUSTODY SEALS
[X] PRESERVED
[X] SEALS INTACT
[X] CHILLED
[ ] SEE REMARKS

DC 6/8/96

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096 - 096BA
CLIENT: Occidental Chemical
PROJECT ID: 017370 - LOVE CANAL
PROJECT MGR: Stephanie Plunkett
RUSH ☑ YES ☐ NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS								GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						1L GL	VOA (HCL)							
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	82.10	6/10/16 12:[illegible]	AQ	10	N	3	2							
	92.05	6/10/16 12 45 p.m.	AQ	11	N	3	2							
	[redacted] Blank	6/10/16		/			1							
	Field Blank	6/10/16		/			1 → REC BROKEN DC 6/11/16							

Passed Rad Screen
DC 6/11/16

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
DW - DRUM WASTE
O - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY: Darrell Crockett — DATE / TIME: 6/10/16 9:30 —
SIGNATURE:

SAMPLES COLLECTED BY: Darrell Crockett — DATE / TIME: 6/10/16 1:[illegible]
SIGNATURE:

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: D Glen — DATE / TIME: 6/11/16
SIGNATURE: Marilyn Cobb — 10[illegible]

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT
☒ CUSTODY SEALS
☒ PRESERVED
☒ SEALS INTACT
☒ CHILLED
☐ SEE REMARKS

DC 6/11/16

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CHAIN OF [illegible]STODY RECORD

PAGE [illegible] OF [illegible] NO. [illegible]

JOB #: 7096-0968A

CLIENT: Occidental Chemical

PROJECT ID: 07370-Love Canal

PROJECT MGR: Stephanie Plunkett

RUSH [X] YES [ ] NO DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS								GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						1L GL	VOA (HCL)							
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	8115	6/10/96 10:40 AM	AQ	12	Y	6	4							
	[redacted] Blank		AQ	13										
	Field Blank		AQ	/										

Passed Rad Screen
DC 6/11/96

MATRIX CODES

AIR	S	SOIL
AQUEOUS	SL	SLUDGE
COMPLEX	W	WIPE
DRUM WASTE	O	OTHER
OIL	FB	FIELD BLANK
	TB	TRIP BLANK

BOTTLES PREPPED BY: Darrell Gaylett	DATE / TIME: 10/10/96 9:30 AM	BOTTLES REC'D BY	DATE / TIME
SIGNATURE: Darrell Gaylett		SIGNATURE	
SAMPLES COLLECTED BY: Darrell Gaylett	DATE / TIME: 10/10/96 1:30 PM	RECEIVED IN LAB BY: D. Colon	DATE / TIME: 6/11/96
SIGNATURE: Darrell Gaylett		SIGNATURE: Marilyn Colon	10[illegible]

REMARKS ON SAMPLE RECEIPT

- [ ] BOTTLES INTACT
- [X] CUSTODY SEALS
- [X] PRESERVED
- [X] SEALS INTACT
- [X] CHILLED
- [ ] SEE REMARKS

DC 6/11/96

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CHAIN OF CUSTODY RECORD

PAGE OF | NO.

JOB #: 7096 - 0968A

CLIENT: Occidental Chemical Corp.

PROJECT ID: 017370 - LOVE CANAL

PROJECT MGR:

RUSH [X] YES [ ] NO | DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS								GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						40ml VOA HCL	1L GL UNP							
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	9118	6/11/96	AQ	14	N	2	3							
	9113	6/11/96	AQ	15	N	2	3							
	8125	6/11/96	AQ	16	N	2	3							
	[redacted]			17		2	—							

Passed Rad Screen
EWJ 6/12/96

MATRIX CODES

AIR		S	SOIL
AQUEOUS		SL	SLUDGE
COMPLEX		W	WIPE
DRUM WASTE		O	OTHER
OIL		FB	FIELD BLANK
		TB	TRIP BLANK

BOTTLES PREPPED BY: Daniel Corbett — DATE / TIME: 6/11/96 9am
SIGNATURE: Daniel Corbett

SAMPLES COLLECTED BY: Daniel Corbett — DATE / TIME: 6/11/96 11am
SIGNATURE: Daniel Corbett

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: EN JOHNSON — DATE / TIME: 6/12/96 1050
SIGNATURE: EN Johnson

REMARKS ON SAMPLE RECEIPT

- [X] BOTTLES INTACT
- [X] CUSTODY SEALS
- [X] PRESERVED
- [X] SEALS INTACT
- [X] CHILLED
- [ ] SEE REMARKS

...ORATE... COPY

IEA
An Aquarion Company

200 Monroe Turnpike
[illegible], CT [illegible]
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE [illegible] OF [illegible]

NO. [illegible]

JOB #: 7096-0968A

CLIENT: Occidental Chemical Corp

PROJECT ID: 017370 - LOVE CANAL

PROJECT MGR:

RUSH ☒ YES ☐ NO

DUE DATE

LE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS								GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE								
						40ml VOA HCL	1L GL UNP							
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
	9105	6/11/96	AQ	18	N	2	3							
	9001	6/11/96	AQ	19	N	2	3							
	TB					~~2~~			BOTH VOAS REC. BROKEN					A

Passed Rad Screen
EMJ 6/14/96

MATRIX CODES

AIR		S	SOIL
AQUEOUS		SL	SLUDGE
COMPLEX		W	WIPE
DRUM WASTE		O	OTHER
OIL		FB	FIELD BLANK
		TB	TRIP BLANK

BOTTLES PREPPED BY: [signature] DATE / TIME: 6/11/96 9:00
SIGNATURE: [signature]

SAMPLES COLLECTED BY: [signature] DATE / TIME: 6/11/96 11:00
SIGNATURE: [signature]

BOTTLES REC'D BY: DATE / TIME:
SIGNATURE:

RECEIVED IN LAB BY: EM JOHNSON DATE / TIME: 6/12/96 1600
SIGNATURE: [signature]

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☐ SEALS INTACT
☒ CHILLED ☒ SEE REMARKS

LABORATORY COPY

IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 NO. —

IEA JOB #: 7096-09680

CLIENT: Oxy CHem

PROJECT ID: Love Canal

IEA PROJECT MGR: Stephanie PLUNKETT

RUSH ☒ YES ☐ NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA Pest; BOTTLE TYPE AND PRESERVATIVE: 1LA; FIELD FILTERED Y / N	TESTS: ; BOTTLE: 40mL; FIELD FILTERED Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	7001	6/28/96 10:40A	AQ	01	N	3								
	B105	6/28/96 9:30A	AQ	02	N	3								
	9105	6/28/96 10:40A	AQ	03	N	3								
	Temp Blank						1							3°C

GENERAL REMARKS:

Passed Rad Screen
[signature] 06/29/96

MATRIX CODES
A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
[signature]	6/22/96 8:00A		
SIGNATURE: [signature]		SIGNATURE:	
SAMPLES COLLECTED BY	DATE / TIME	RECEIVED IN LAB BY	DATE / TIME
[signature]	11:00A	CPDamiani	06/29/96 10
SIGNATURE: [signature]		SIGNATURE: [signature]	

REMARKS ON SAMPLE RECEIPT
☑ BOTTLES INTACT
☑ PRESERVED
☑ CHILLED
☑ CUSTODY SEALS
☑ SEALS INTACT
☐ SEE REMARKS

IEA
An Aquarion Company

Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 NO.

IEA JOB #: 7096-0968D

CLIENT: Oxy Chem

PROJECT ID: Love Canal

IEA PROJECT MGR: Stephanie Plunkett

RUSH [X] YES [ ] NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA Pest; BOTTLE: 1 L A; FIELD FILTERED Y / N	TESTS; BOTTLE: 40 ml; FIELD FILTERED Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
1	9113	6/28/96 [illegible]	AQ	04	N	3								
2	9118	6/28/96 [illegible]	AQ	05	N	3								
3	Temp Blank						1							3°C
4	9130	6/28/96	AQ	06	N	3								

GENERAL REMARKS

Passed Rad Screen
[signature] 06/29/96

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
Darrell Crockett	6/28/96 10:00		
SIGNATURE: [signature]		SIGNATURE:	
SAMPLES COLLECTED BY: Darrell Crockett	6/28/96 3:30 p.m.	RECEIVED IN LAB BY: C. Damian	06/29/96 10:00
SIGNATURE: [signature]		SIGNATURE: [signature]	

REMARKS ON SAMPLE RECEIPT

- [ ] BOTTLES INTACT
- [X] PRESERVED
- [X] CHILLED
- [ ] CUSTODY SEALS
- [ ] SEALS INTACT
- [ ] SEE REMARKS

LABORATORY COPY

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An Aquarion Company

200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

IEA JOB #: 7096-0963D
CLIENT: Oxychem
PROJECT ID: Love Canal
IEA PROJECT MGR: Stephanie Plunkett
RUSH [X] YES [ ] NO | DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: BNA PEST	BOTTLE TYPE AND PRESERVATIVE	FIELD FILTERED - CIRCLE Y or N	GENERAL REMARKS / SAMP E REMARKS
1	6209	6/28/96 5:45P	AQ	67	N	3	1LA 40ML	Y / N	
2	Temp BLANK					1		Y / N	3°

Passed Rad Screen
[signature] 06/24/96

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY: Darrell Crockett	DATE / TIME: 6/28/96 4:00P	BOTTLES REC'D BY	DATE / TIME
SIGNATURE: [signature]		SIGNATURE	
SAMPLES COLLECTED BY: Darrell Crockett	DATE / TIME: 6/28/96 5:45P	RECEIVED IN LAB BY: CP Daniels	DATE / TIME: 06/24/96 10:00
SIGNATURE: [signature]		SIGNATURE	

REMARKS ON SAMPLE RECEIPT

[X] BOTTLES INTACT
[X] PRESERVED
[ ] CHILLED
[ ] CUSTODY SEALS
[X] SEALS INTACT
[ ] SEE REMARKS

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An Aquarion Company

200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

IEA JOB #: 7096-096ED
CLIENT: Oxy Chem
PROJECT ID: Love Canal
IEA PROJECT MGR: Stefanie Plunkett
RUSH ☒ YES ☐ NO | DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	TESTS: GNA FEJT	TESTS: VOA							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1LA	BOTTLE TYPE AND PRESERVATIVE: 40mL							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
1	1021OC	7/1/16 9:40A	AQ	08	N	3	2							
2	1021C A	7/1/16 1:41	AQ	09	N	3	2							
3	TRIP BLANK			10			1							
4	TRIP BLANK			/			1							3° DC 7/2/16

Passed Rad Screen
DC 7/2/16

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY: Daniel Corlett | DATE / TIME: 7/1/16 8A
SIGNATURE: Daniel Corlett

SAMPLES COLLECTED BY: Daniel Corlett | DATE / TIME: 7/1/16 2:00P
SIGNATURE: Daniel Corlett

BOTTLES REC'D BY | DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: D. Colon | DATE / TIME: 7/2/16
SIGNATURE: Darilyn Colon 10AM

REMARKS ON SAMPLE RECEIPT

☒ BOTTLES INTACT ☒ CUSTODY SEALS
☒ PRESERVED ☒ SEALS INTACT
☒ CHILLED ☐ SEE REMARKS
DC 7/2/16

IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE OF | NO.

IEA JOB #: 7096-0968D
CLIENT: OxyChem
PROJECT ID: Love Canal
IEA PROJECT MGR: Stephanie Plunkett
RUSH [X] YES [ ] NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC (Y) / N	TESTS: BNA Pest	TESTS: VOA							GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE: 1LAG	40mL HCl							
						FIELD FILTERED - CIRCLE Y or N: Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
1	10210 B	7/5/96 11:15 Am	AQ	11	Y	6	4							
2	9210	7/5/96 10:45 Am	AQ	12	N	3	2							
3	Trip Blank			13			1							
4	Temp Blank			/			1							4°C DC 7/6/96

Passed Red Screen DC 7/6/96

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY: Scott Parkhill — DATE / TIME: 7/5/96 8:00 am
SIGNATURE: Scott Parkhill

SAMPLES COLLECTED BY: Scott Parkhill — DATE / TIME: 7/5/96 10:45 Am 11:15 Am
SIGNATURE: Scott Parkhill

BOTTLES REC'D BY — DATE / TIME
SIGNATURE

RECEIVED IN LAB BY: D. Colon — DATE / TIME: 7/6/96 1000
SIGNATURE

REMARKS ON SAMPLE RECEIPT

[ ] BOTTLES INTACT [ ] CUSTODY SEAL
[ ] PRESERVED [ ] SEALS INTACT
[ ] CHILLED [ ] SEE REMARKS

APPENDIX B

WATER LEVEL MEASUREMENTS

TABLE B.1

QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1996
LOVE CANAL
OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	Monitored Zone	Top of Riser Elevation	Depth to Water (feet BTOR) (1)								Water Level Elevation (feet AMSL) (2)							
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96
1170A	A	584.68	21.70	23.61	22.34	22.30	20.77	22.10	21.51	21.50	562.98	561.07	562.34	562.38	563.91	562.58	563.17	563.18
1170B	B	584.56	22.97	24.57	22.93	23.78	21.71	23.45	22.52	22.43	561.59	559.99	561.63	560.78	562.85	561.11	562.04	562.13
1171A	A	583.37	17.88	19.70	18.42	19.32	17.59	21.96	17.37	18.07	565.49	563.67	564.95	564.05	565.78	561.41	566.00	565.30
1171B	B	583.63	20.64	22.63	21.10	22.00	19.99	21.25	20.32	20.62	562.99	561.00	562.53	561.63	563.64	562.38	563.31	563.01
1171C	C	583.26	21.00	22.76	21.48	22.30	19.84	18.55	20.40	20.88	562.26	560.50	561.78	560.96	563.42	564.71	562.86	562.38
1172A	A	581.73	15.31	16.83	15.74	16.84	15.20	15.82	15.10	15.35	566.42	564.90	565.99	564.89	566.53	565.91	566.63	566.38
1172B	B	581.78	12.40	13.88	13.18	13.98	12.02	12.51	12.05	12.56	569.38	567.90	568.60	567.80	569.76	569.27	569.73	569.22
1172C	C	581.77	12.61	13.17	13.09	13.18	12.71	13.30	12.32	12.91	569.16	568.60	568.68	568.59	569.06	568.47	569.45	568.86
1173A	A	578.14	9.65	11.30	10.10	10.47	8.41	10.23	9.59	9.95	568.49	566.84	568.04	567.67	569.73	567.91	568.55	568.19
1173B	B	578.36	8.81	10.80	9.05	9.68	8.28	9.25	8.72	8.47	569.55	567.56	569.31	568.68	570.08	569.11	569.64	569.89
1173C	C	578.45	7.13	8.72	7.96	8.55	7.21	7.55	7.04	7.36	571.32	569.73	570.49	569.90	571.24	570.90	571.41	571.09
1173D	D	578.60	7.15	8.83	7.61	8.17	6.90	7.06	7.43	6.80	571.45	569.77	570.99	570.43	571.70	571.54	571.17	571.80
1174A	A	577.77	5.21	6.74	4.30	5.30	3.00	5.90	3.34	4.72	572.56	571.03	573.47	572.47	574.77	571.87	574.43	573.05
1174B	B	577.73	2.86	5.09	2.90	3.37	3.09	3.75	3.13	3.20	574.87	572.64	574.83	574.36	574.64	573.98	574.60	574.53
1174C	C	578.14	2.57	4.00	2.32	3.27	FROZEN	2.78	1.90	2.10	575.57	574.14	575.82	574.87	NC	575.36	576.24	576.04
1174D	D	577.78	1.93	3.76	1.52	2.68	1.61	2.80	2.31	1.35	575.85	574.02	576.26	575.10	576.17	574.98	575.47	576.43
1180A	A	582.59	19.07	20.70	19.60	20.52	18.71	19.39	19.07	19.44	563.52	561.89	562.99	562.07	563.88	563.20	563.52	563.15
1180B	B	582.47	20.98	22.45	21.05	22.32	20.70	21.60	20.85	20.72	561.49	560.02	561.42	560.15	561.77	560.87	561.62	561.75
1180C	C	583.27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	NC	NC	NC	NC	NC	NC	NC	NC
1181A	A	576.81	9.21	11.10	9.33	9.08	6.07	9.45	8.41	8.72	567.60	565.71	567.48	567.73	570.74	567.36	568.40	568.09
1181B	B	577.15	9.76	11.60	9.10	10.40	9.04	9.70	9.85	8.75	567.39	565.55	568.05	566.75	568.11	567.45	567.30	568.40
1181C	C	577.07	7.10	9.27	7.18	7.87	7.52	7.96	8.60	7.14	569.97	567.80	569.89	569.20	569.55	569.11	568.47	569.93
1190A	A	586.53	21.13	24.50	13.32	14.60	19.10	16.65	22.91	12.25	565.40	562.03	573.21	571.93	567.43	569.88	563.62	574.28
1190B	B	586.22	22.03	25.02	22.36	22.62	20.75	22.04	22.90	21.32	564.19	561.20	563.86	563.60	565.47	564.18	563.32	564.90
1191A	A	584.91	17.90	19.02	18.47	19.86	18.38	18.27	18.03	20.54	567.01	565.89	566.44	565.05	566.53	566.64	566.88	564.37
1191B	B	584.90	18.80	22.13	19.12	20.30	18.99	19.28	18.82	19.08	566.10	562.77	565.78	564.60	565.91	565.62	566.08	565.82
1191C	B	585.18	20.50	22.27	20.73	21.70	20.31	20.90	20.73	18.44	564.68	562.91	564.45	563.48	564.87	564.28	564.45	566.74
1192A	A	583.43	19.10	20.50	18.96	19.80	18.48	19.21	19.10	18.97	564.33	562.93	564.47	563.63	564.95	564.22	564.33	564.46
1192B	B	583.46	14.64	16.03	15.58	16.12	14.65	15.60	14.57	14.77	568.82	567.43	567.88	567.34	568.81	567.86	568.89	568.69
1192C	C	583.85	13.71	15.20	14.20	15.52	14.03	14.35	13.67	14.04	570.14	568.65	569.65	568.33	569.82	569.50	570.18	569.81
1193A	A	579.97	14.12	15.66	14.58	15.21	13.60	14.30	14.23	14.03	565.85	564.31	565.39	564.76	566.37	565.67	565.74	565.94
1193B	B	579.45	10.55	12.10	11.30	11.99	10.54	10.95	10.51	10.72	568.90	567.35	568.15	567.46	568.91	568.50	568.94	568.73
1193C	C	579.60	8.57	10.20	6.58	10.57	9.10	8.90	8.54	9.37	571.03	569.40	573.02	569.03	570.50	570.70	571.06	570.23
1193D	D	579.60	7.79	6.60	9.21	9.58	8.56	8.07	8.11	9.67	571.81	573.00	570.39	570.02	571.04	571.53	571.49	569.93
1194A	A	578.40	13.97	15.37	14.40	15.40	13.42	14.25	14.02	13.85	564.43	563.03	564.00	563.00	564.98	564.15	564.38	564.55
1194B	B	578.03	8.08	10.70	9.20	9.16	8.05	8.34	8.55	8.27	569.95	567.33	568.83	568.87	569.98	569.69	569.48	569.76
1194C	B	578.56	5.20	8.60	4.38	5.00	6.17	5.20	7.54	4.15	573.36	569.96	574.18	573.56	572.39	573.36	571.02	574.41
1194D	C	578.54	4.56	7.90	6.49	6.30	5.21	5.15	6.78	5.49	573.98	570.64	572.05	572.24	573.33	573.39	571.76	573.05

TABLE B.1

QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1996
LOVE CANAL
OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	Monitored Zone	Top of Riser Elevation		Depth to Water (feet BTOR) (1)								Water Level Elevation (feet AMSL) (2)							
				Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96
1140A	B	583.50		19.14	20.38	18.85	19.86	18.28	20.18	18.73	18.66	564.36	563.12	564.65	563.64	565.22	563.32	564.77	564.84
1140B	A	583.50		18.80	20.36	18.50	19.42	17.85	19.83	18.54	18.42	564.70	563.14	565.00	564.08	565.65	563.67	564.96	565.08
1141A	B	581.70		15.27	16.64	15.30	16.54	14.91	16.30	15.10	15.37	566.43	565.06	566.40	565.16	566.79	565.40	566.60	566.33
1141B	A	581.90		15.15	16.20	15.05	16.40	14.83	16.17	14.88	15.19	566.75	565.70	566.85	565.50	567.07	565.73	567.02	566.71
1142A	C/D	579.70		DRY	DRY	DRY	DRY	12.57	DRY	12.58	DRY	NC	NC	NC	NC	567.13	NC	567.12	NC
1142B	B	579.50		11.72	12.04	12.06	12.85	11.47	12.65	11.58	12.20	567.78	567.46	567.44	566.65	568.03	566.85	567.92	567.30
1142C	A	579.60		13.31	13.68	13.87	15.10	13.12	14.41	13.27	13.54	566.29	565.92	565.73	564.50	566.48	565.19	566.33	566.06
1143A	C	577.70		6.32	7.04	7.23	7.35	6.24	7.07	6.95	6.90	571.38	570.66	570.47	570.35	571.46	570.63	570.75	570.80
1143B	C	577.20		5.81	6.52	7.22	7.29	5.85	6.57	6.37	6.78	571.39	570.68	569.98	569.91	571.35	570.63	570.83	570.42
1143C	B	576.70		7.00	7.46	7.80	7.96	6.95	7.77	7.05	7.69	569.70	569.24	568.90	568.74	569.75	568.93	569.65	569.01
1143D	A	576.80		8.70	9.11	9.36	10.06	9.00	9.74	8.78	9.35	568.10	567.69	567.44	566.74	567.80	567.06	568.02	567.45
1144A	D/C	579.70		6.00	6.90	6.52	6.23	5.60	6.51	6.73	5.57	573.70	572.80	573.18	573.47	574.10	573.19	572.97	574.13
1144B	C	576.90		5.61	6.40	6.17	5.98	5.29	6.28	6.37	5.46	571.29	570.50	570.73	570.92	571.61	570.62	570.53	571.44
1144C	B	577.30		6.28	7.30	7.45	6.75	5.98	6.78	7.02	6.40	571.02	570.00	569.85	570.55	571.32	570.52	570.28	570.90
1144D	A	577.20		7.41	7.98	9.79	9.55	8.08	8.34	7.75	8.58	569.79	569.22	567.41	567.65	569.12	568.86	569.45	568.62
1150A	A	579.80		12.50	12.95	20.00	DECOMM-ISSIONED					567.30	566.85	559.80	NC	NC	NC	NC	NC
1150B	B	578.08		11.60	11.52	10.78	DECOMM-ISSIONED					566.48	566.56	567.30	NC	NC	NC	NC	NC
1160A	A	584.20		19.70	21.25	18.50	18.40	17.99	DRY	19.08	19.22	564.50	562.95	565.70	565.80	566.21	NC	565.12	564.98
1160C	C	583.50		13.20	18.10	17.70	17.73	17.82	18.40	17.35	17.78	570.30	565.40	565.80	565.77	565.68	565.10	566.15	565.72
1161A	A	582.30		17.50	18.02	18.57	17.40	16.28	11.80	16.98	17.39	564.80	564.28	563.73	564.90	566.02	570.50	565.32	564.91
1161B	B	582.61		16.02	17.65	15.95	16.90	14.87	16.13	15.29	15.70	566.59	564.96	566.66	565.71	567.74	566.48	567.32	566.91
1161C	C	582.50		13.69	14.95	13.86	15.10	13.29	13.76	13.15	13.75	568.81	567.55	568.64	567.40	569.21	568.74	569.35	568.75
1161D	D	582.20		16.68	13.90	13.22	14.08	12.60	12.77	12.35	12.92	565.52	568.30	568.98	568.12	569.60	569.43	569.85	569.28
1161E	B	583.81		18.40	19.92	18.41	19.30	16.74	18.70	17.50	18.08	565.41	563.89	565.40	564.51	567.07	565.11	566.31	565.73
1162A		581.35	*	11.18	16.50	14.78	15.64	13.68	15.50	14.41	11.31	570.17	564.85	566.57	565.71	567.67	565.85	566.94	570.04
1162C		581.60	*	14.64	12.51	11.45	12.50	11.47	11.10	11.42	11.90	566.96	569.09	570.15	569.10	570.13	570.50	570.18	569.70
1162D		582.14	*	11.65	13.35	12.20	13.56	11.09	11.76	10.98	14.51	570.49	568.79	569.94	568.58	571.05	570.38	571.16	567.63
1163A	A	581.40		12.40	14.41	12.41	13.37	11.73	12.77	12.16	12.34	569.00	566.99	568.99	568.03	569.67	568.63	569.24	569.06
1163B	B	581.20		11.35	12.54	11.58	11.55	11.17	11.55	11.02	11.50	569.85	568.66	569.62	569.65	570.03	569.65	570.18	569.70
1163C	C	581.30		10.85	12.14	11.37	12.78	10.86	10.90	10.30	11.23	570.45	569.16	569.93	568.52	570.44	570.40	571.00	570.07
1163D	D	581.20		11.79	13.29	DRY	DRY	5.74	DRY	7.85	DRY	569.41	567.91	NC	NC	575.46	NC	573.35	NC
1165A	A	589.40		18.34	20.08	18.81	19.45	17.70	18.58	18.26	18.37	571.06	569.32	570.59	569.95	571.70	570.82	571.14	571.03
1165B	B	592.20		17.02	20.80	19.44	20.37	BLOCKED	19.17	19.20	19.25	575.18	571.40	572.76	571.83	NC	573.03	573.00	572.95
1165C	C	592.40		18.89	20.69	19.40	20.16	18.77	18.87	18.82	19.16	573.51	571.71	573.00	572.24	573.63	573.53	573.58	573.24
1165D	D	589.90		BLOCKED	18.45	17.29	18.02	16.83	17.10	16.86	17.17	NC	571.45	572.61	571.88	573.07	572.80	573.04	572.73
10176A	A	573.60		9.95	10.57	11.00	9.83	6.14	11.11	8.19	6.07	563.65	563.03	562.60	563.77	567.46	562.49	565.41	567.53
10176B	B	573.60		8.65	9.47	9.55	8.03	6.21	9.61	8.33	6.24	564.95	564.13	564.05	565.57	567.39	563.99	565.27	567.36

TABLE B.1

QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1996
LOVE CANAL
OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	*Monitored Zone*	*Top of Riser Elevation*	*Depth to Water (feet BTOR) (1)*								*Water Level Elevation (feet AMSL) (2)*							
			Apr-95	*Jun-95*	*Nov-95*	*Dec-95*	*Jan-96*	*May-96*	*Jul-96*	*Dec-96*	*Apr-95*	*Jun-95*	*Nov-95*	*Dec-95*	*Jan-96*	*May-96*	*Jul-96*	*Dec-96*
10176C	C	573.60	7.34	8.49	6.73	5.48	7.54	7.70	8.59	8.09	566.26	565.11	566.87	568.12	566.06	565.90	565.01	565.51
10176D	D	573.60	7.80	8.28	6.53	5.23	8.93	7.64	9.70	9.60	565.80	565.32	567.07	568.37	564.67	565.96	563.90	564.00
10276			12.80	13.06		12.75	12.20	13.73	12.84	12.87	NC	NC	NC	NC	NC	NC	NC	NC
1151A	A	578.06	8.00	9.58	8.82	7.23	7.92	8.91	9.99	7.46	570.06	568.48	569.24	570.83	570.14	569.15	568.07	570.60
1151B	B	578.08	10.10	10.28	10.84	9.33	9.37	10.97	9.94	9.40	567.98	567.80	567.24	568.75	568.71	567.11	568.14	568.68
1151C	C	578.27	8.87	9.26	10.72	8.84	8.68	9.72	9.13	8.90	569.40	569.01	567.55	569.43	569.59	568.55	569.14	569.37
1151D	D	578.36	8.24	9.13	8.43	7.37	8.03	9.11	9.20	7.45	570.12	569.23	569.93	570.99	570.33	569.25	569.16	570.91
1153A	A	577.46	8.34	8.42	7.63	6.68	8.22	8.60	8.46	7.12	569.12	569.04	569.83	570.78	569.24	568.86	569.00	570.34
1153B	B	576.67	8.02	8.60	7.93	6.87	7.63	6.67	8.11	7.33	568.65	568.07	568.74	569.80	569.04	570.00	568.56	569.34
1153C	C	577.68	8.30	8.55	7.98	6.85	8.34	6.83	8.27	8.24	569.38	569.13	569.70	570.83	569.34	570.85	569.41	569.44
1153D	D	577.31	8.00	8.15	8.79	7.84	7.74	8.63	8.05	7.98	569.31	569.16	568.52	569.47	569.57	568.68	569.26	569.33
1153E	D	576.80	7.46	7.68	8.40	7.38	7.34	8.34	7.56	7.40	569.34	569.12	568.40	569.42	569.46	568.46	569.24	569.40
1154A	A	572.87	4.68	5.32	6.24	5.10	4.23	6.43	4.75	4.87	568.19	567.55	566.63	567.77	568.64	566.44	568.12	568.00
1154B	B	573.93	5.54	5.96	6.43	5.28	4.77	6.88	5.60	5.10	568.39	567.97	567.50	568.65	569.16	567.05	568.33	568.83
1154C	C	574.03	4.98	5.66	6.47	5.37	5.29	6.65	5.44	5.00	569.05	568.37	567.56	568.66	568.74	567.38	568.59	569.03
1154D	D	573.81	4.82	5.13	6.20	5.11	4.46	5.65	5.27	5.45	568.99	568.68	567.61	568.70	569.35	568.16	568.54	568.36
1183A	A	576.62	11.48	11.80	11.97	10.80	9.78	11.86	10.63	11.17	565.14	564.82	564.65	565.82	566.84	564.76	565.99	565.45
1183B	B	576.54	10.96	11.40	11.99	10.52	10.41	11.53	11.10	10.84	565.58	565.14	564.55	566.02	566.13	565.01	565.44	565.70
1183C	C	577.33	9.52	10.11	10.32	9.23	9.18	10.24	10.25	9.25	567.81	567.22	567.01	568.10	568.15	567.09	567.08	568.08
1183D	D	576.91	9.65	9.65	10.68	9.67	9.56	10.74	9.75	9.60	567.26	567.26	566.23	567.24	567.35	566.17	567.16	567.31
1184A	A	575.08	10.80	11.10	11.78	10.70	10.41	11.80	11.05	10.87	564.28	563.98	563.30	564.38	564.67	563.28	564.03	564.21
1184B	B	575.54	9.90	10.55	11.45	9.95	9.50	10.81	10.72	10.20	565.64	564.99	564.09	565.59	566.04	564.73	564.82	565.34
1184C	C	575.08	7.25	10.58	DRY	DRY	6.27	7.72	12.09	DRY	567.83	564.50	NC	NC	568.81	567.36	562.99	NC
1184D	D	574.95	6.60	DRY	DRY	5.13	6.67	7.33	DRY	6.18	568.35	NC	NC	569.82	568.28	567.62	NC	568.77
6209			13.92	14.13	14.80	14.04	13.27	14.83	13.84	14.00	NC	NC	NC	NC	NC	NC	NC	NC
5222			12.95	13.10	13.68	12.65	12.23	13.82	12.87	12.79	NC	NC	NC	NC	NC	NC	NC	NC
3251			12.10	12.70	DECOMM-ISSIONED						NC	NC	NC	NC	NC	NC	NC	NC
8210		576.83	12.19	12.33	12.94	11.92	11.79	13.24	12.46	12.17	564.64	564.50	563.89	564.91	565.04	563.59	564.37	564.66
9205		577.66	13.22	13.32	13.97	12.97	12.68	14.18	13.32	13.15	564.44	564.34	563.69	564.69	564.98	563.48	564.34	564.51

* *Top of riser elevations are not confirmed.*

Notes: (1) Below Top of Riser
(2) Datum used was the U.S.G.S. 1927 North American datum
NC - Not Calculated
Blank - No Data Available
A, Glacial Till; B, Soft Clay; C, Fractured Clay; D, Silty Sand/Fill