



**Occidental Chemical Corporation**

*Brian S.*

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# 1997 MONITORING REPORT

Love Canal  
Occidental Chemical Corporation  
Niagara Falls, New York

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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. The Site is being operated by Glenn Springs Holdings Inc. (GSHI), which represents OxyChem through their parent company Occidental Chemical Petroleum Company. This report is the third annual report prepared by OxyChem and covers the activities for 1997.

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. One carbon change-out was performed in 1997. The total volume of groundwater from the Site treated at the Love Canal Leachate Treatment Facility was 3,471,400 gallons for an average monthly volume of 289,280 gallons (Table 1.1). The 1997 average monthly and total treated volumes were slightly more than the 1995 volumes and significantly less than the 1996 volumes (369,560 and 4,434,710 gallons, respectively). It is believed that the higher 1996 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 1997 chemical sampling event was performed over a 9-week period from May 12 to July 10, 1997 in which 40 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. Four volatile organic compounds (VOCs), six semi-VOCs and four pesticides were detected in total. The majority of these compounds (three VOCs, three semi-VOC and four pesticides) were detected in well 10135, which historically has the highest number and concentration of

compounds (see Table 1.3). Table 1.3 presents a summary of detected compounds in selected wells from 1990 to 1997. Table 1.3 shows that the compounds which were detected in 1997 were at similar concentrations to those compounds detected in previous years.

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 seven 2-chloroethylvinylether results which were rejected due to poor instrument sensitivity.

Water levels were measured at six nested piezometer strings in March, May, September and December 1997. Figures 1.2 to 1.7 show the overburden groundwater flow conditions for May 1997 along the six piezometer strings. The water levels are presented in Appendix B.

The 1997 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.

The 1997 chemical analytical results are consistent with previous Long-Term Monitoring analytical results. Similar to previous Long-Term Monitoring events which were performed by the NYSDEC, there was minimal detection of chemicals in the wells sampled in 1997. 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.

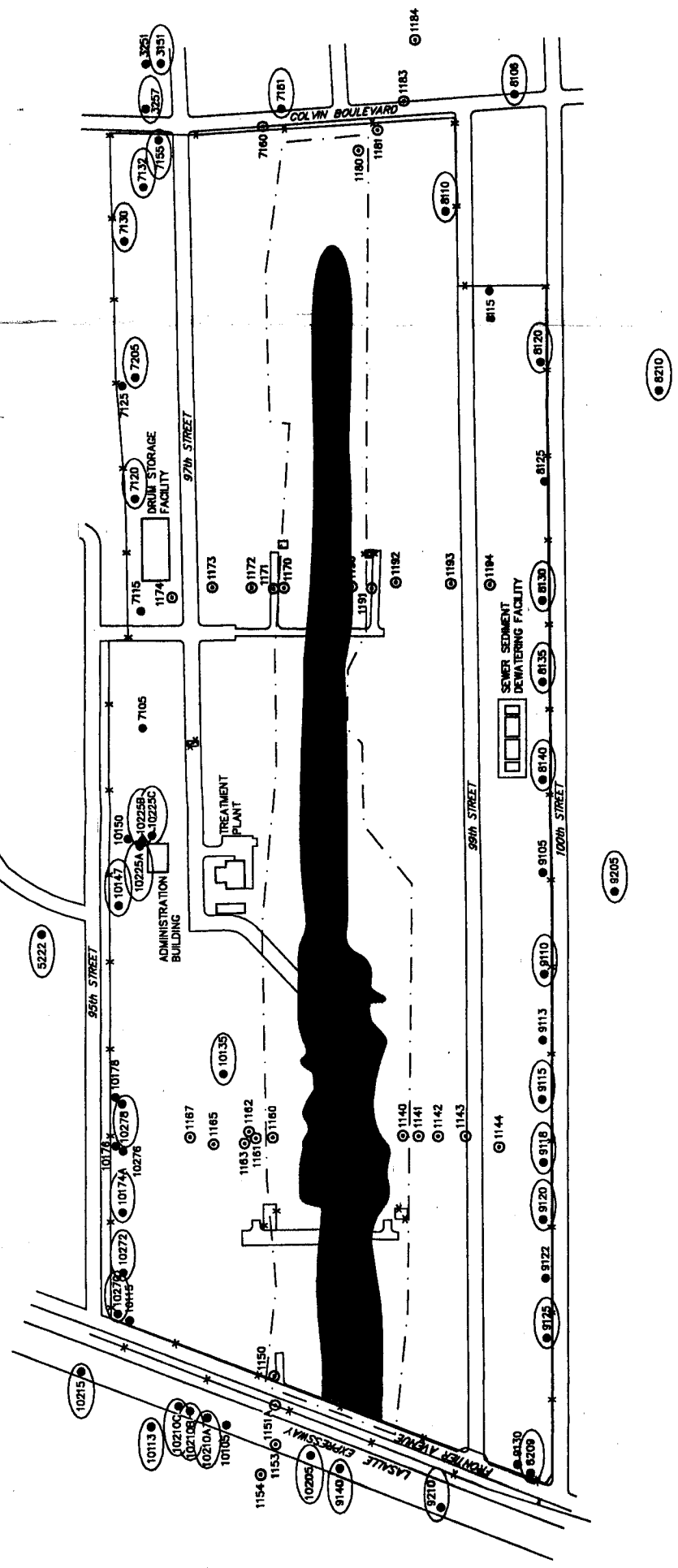
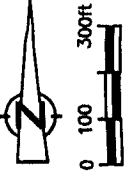
The 1997 results show that there was no significant change in chemical and hydrological conditions at the Site. The barrier drain is successfully capturing leachate from the Site, and preventing off-Site migration of chemicals. The remediation system is functioning as designed.

## 2.0 OTHER MAJOR ACTIVITIES

A summary of other activities performed in 1997 are listed in Table 2.1. A brief description of select major activities is presented below.

The Dewatering Containment Facility (DCF) and clay pile were excavated and the excavated materials were placed at the 102nd Street Landfill Site in 1996. The soil in this area was replaced in 1997.

The carbon in the lead bed was changed-out twice in 1997.



- LEGEND**
- \*— FENCE LINE
  - - - BARRIER DRAIN
  - ⊙ 7105 PIEZOMETER WELL
  - ⊙ 1187 OBSERVATION WELL
  - WELLS SAMPLED IN 1997
  - APPROXIMATE LIMITS OF DISPOSED WASTE

figure 1.1  
 1997 GROUNDWATER SAMPLE COLLECTION PROGRAM  
 LOVE CANAL  
 Occidental Chemical Corporation



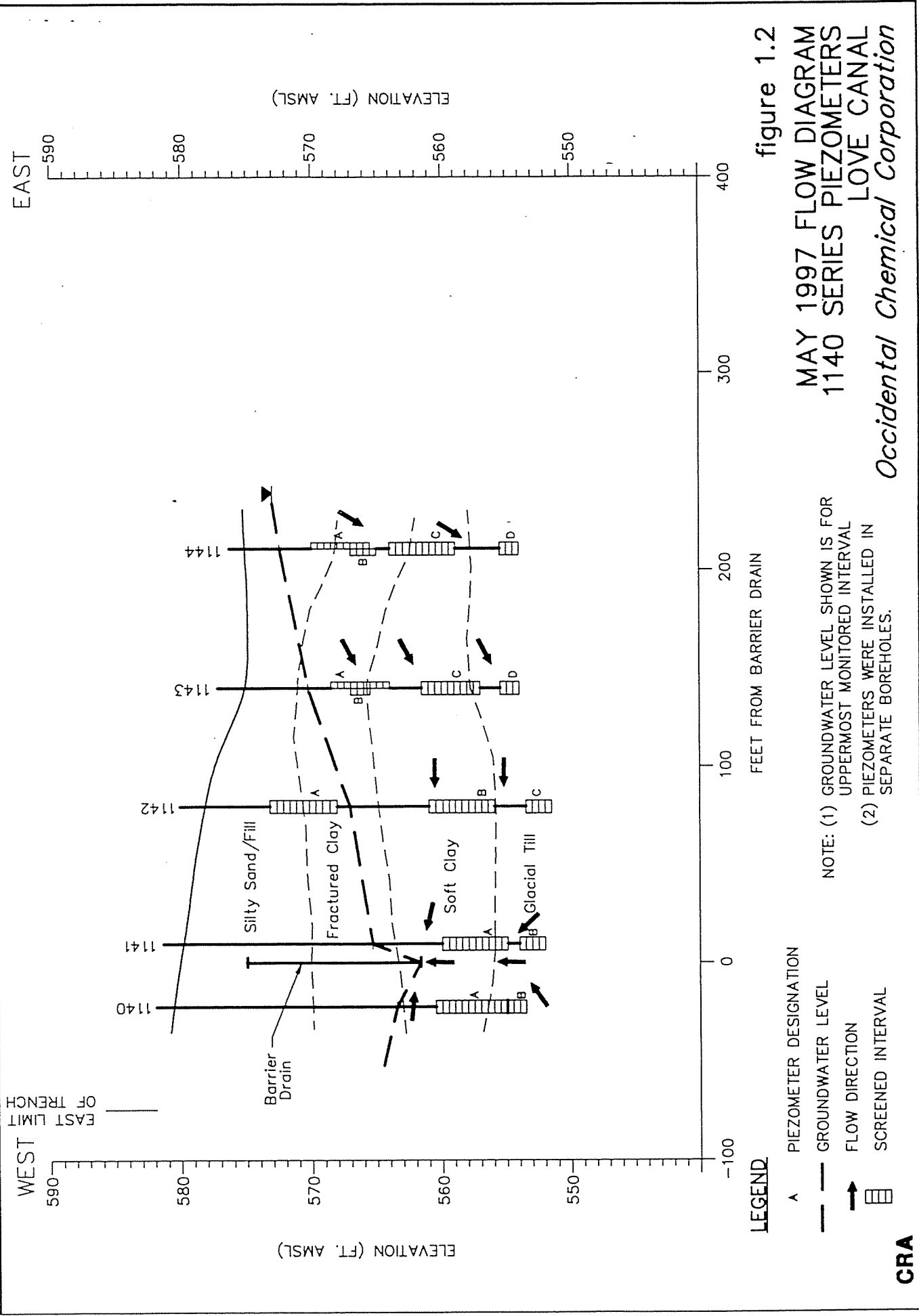


figure 1.2  
MAY 1997 FLOW DIAGRAM  
1140 SERIES PIEZOMETERS  
LOVE CANAL  
Occidental Chemical Corporation

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR UPPERMOST MONITORED INTERVAL  
(2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

- LEGEND**
- A PIEZOMETER DESIGNATION
  - GROUNDWATER LEVEL
  - ↑ FLOW DIRECTION
  - ▤ SCREENED INTERVAL

**CRA**

SOUTH

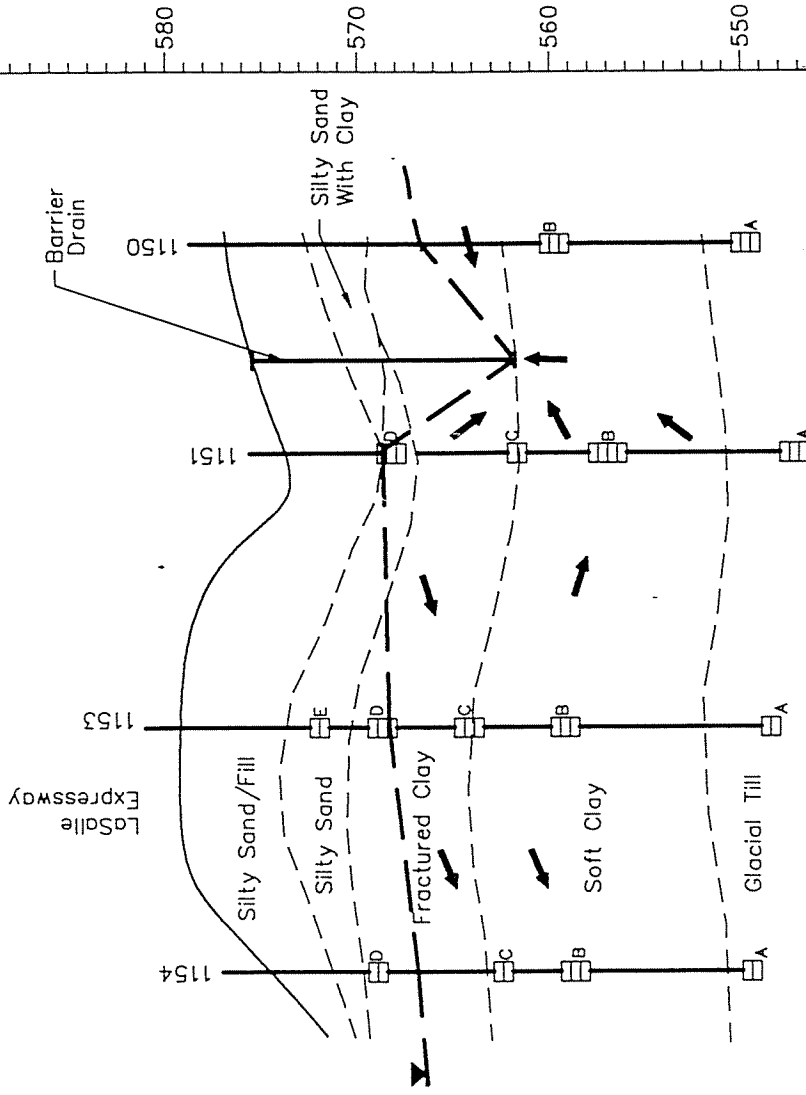
590  
580  
570  
560  
550

ELEVATION (FT. AMSL)

NORTH

590  
580  
570  
560  
550

ELEVATION (FT. AMSL)



**LEGEND**

- A PIEZOMETER DESIGNATION
- GROUNDWATER LEVEL
- FLOW DIRECTION
- ▭ SCREENED INTERVAL

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR UPPERMOST MONITORED INTERVAL  
 (2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

FEET FROM BARRIER DRAIN

100  
0  
-100  
-200  
-300  
-400

figure 1.3

MAY 1997 FLOW DIAGRAM  
1150 SERIES PIEZOMETERS  
LOVE CANAL

Occidental Chemical Corporation

**CRA**

6440 (5) DEC 03/97(W) REV.0 (X-19)

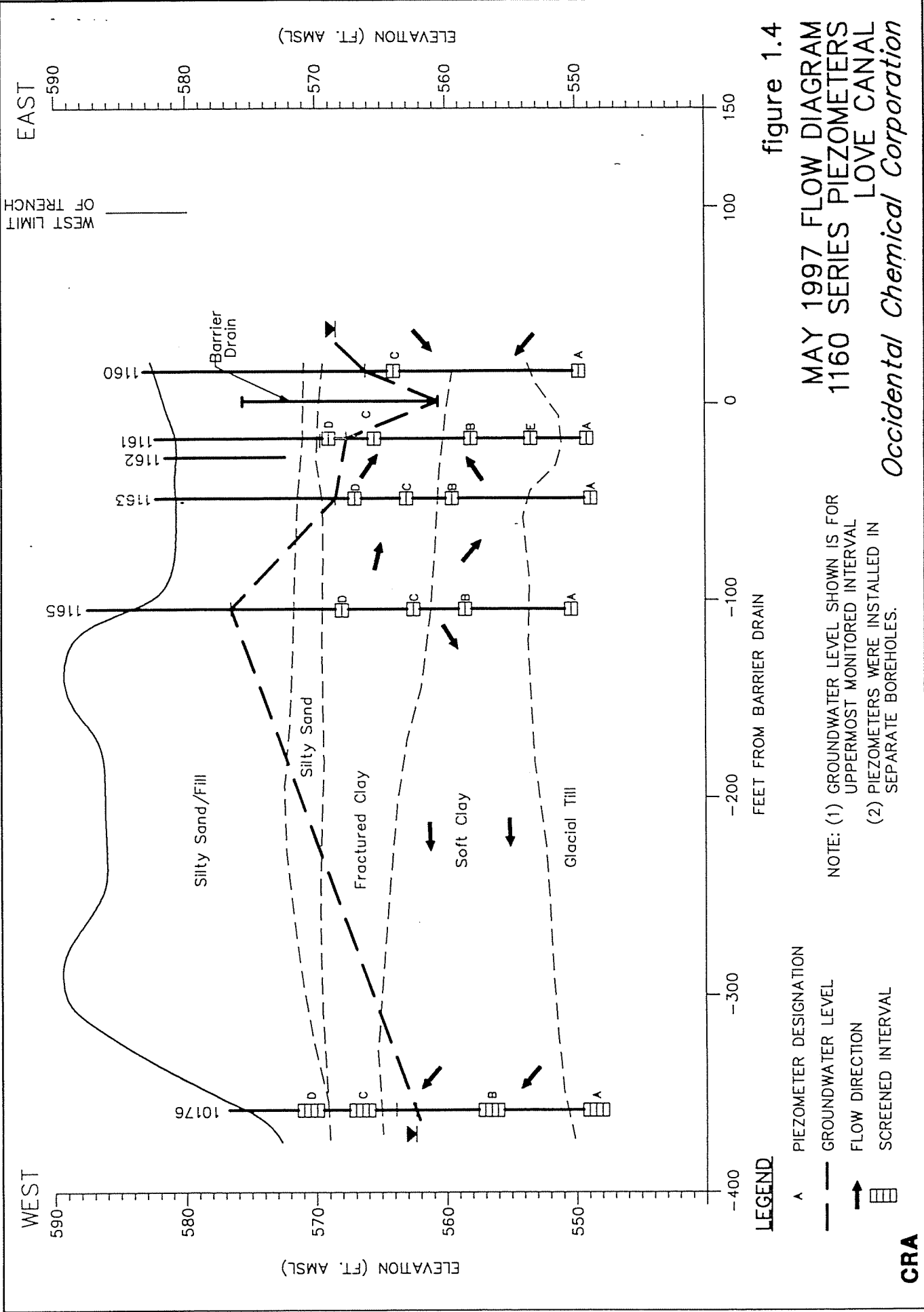
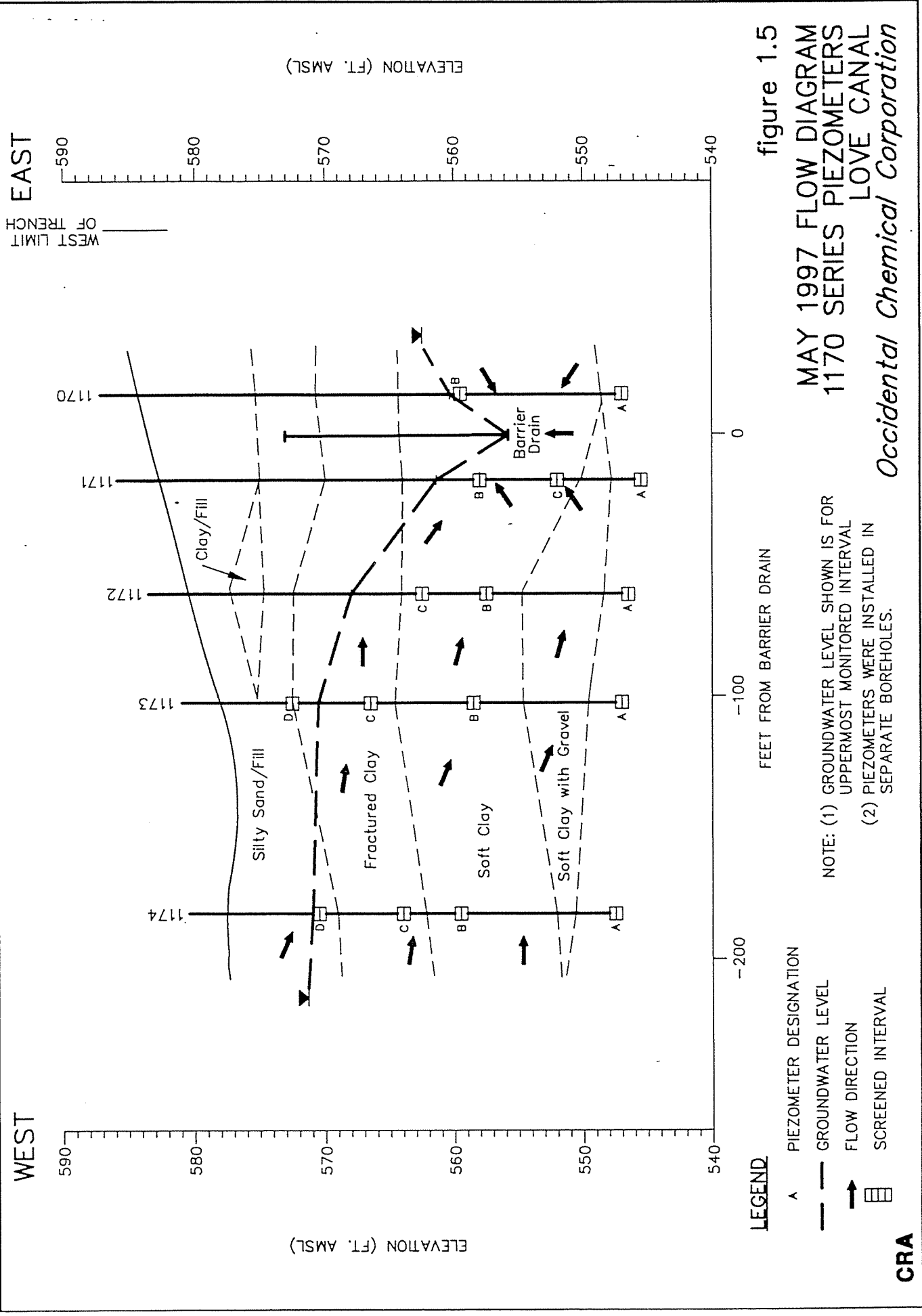


figure 1.4  
 MAY 1997 FLOW DIAGRAM  
 1160 SERIES PIEZOMETERS  
 LOVE CANAL  
 Occidental Chemical Corporation

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR UPPERMOST MONITORED INTERVAL  
 (2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

- LEGEND**
- A PIEZOMETER DESIGNATION
  - GROUNDWATER LEVEL
  - SCREENED INTERVAL
  - FLOW DIRECTION

**CRA**



**CRA**

6440 (5) DEC 03/97(W) REV.0 (X-21)

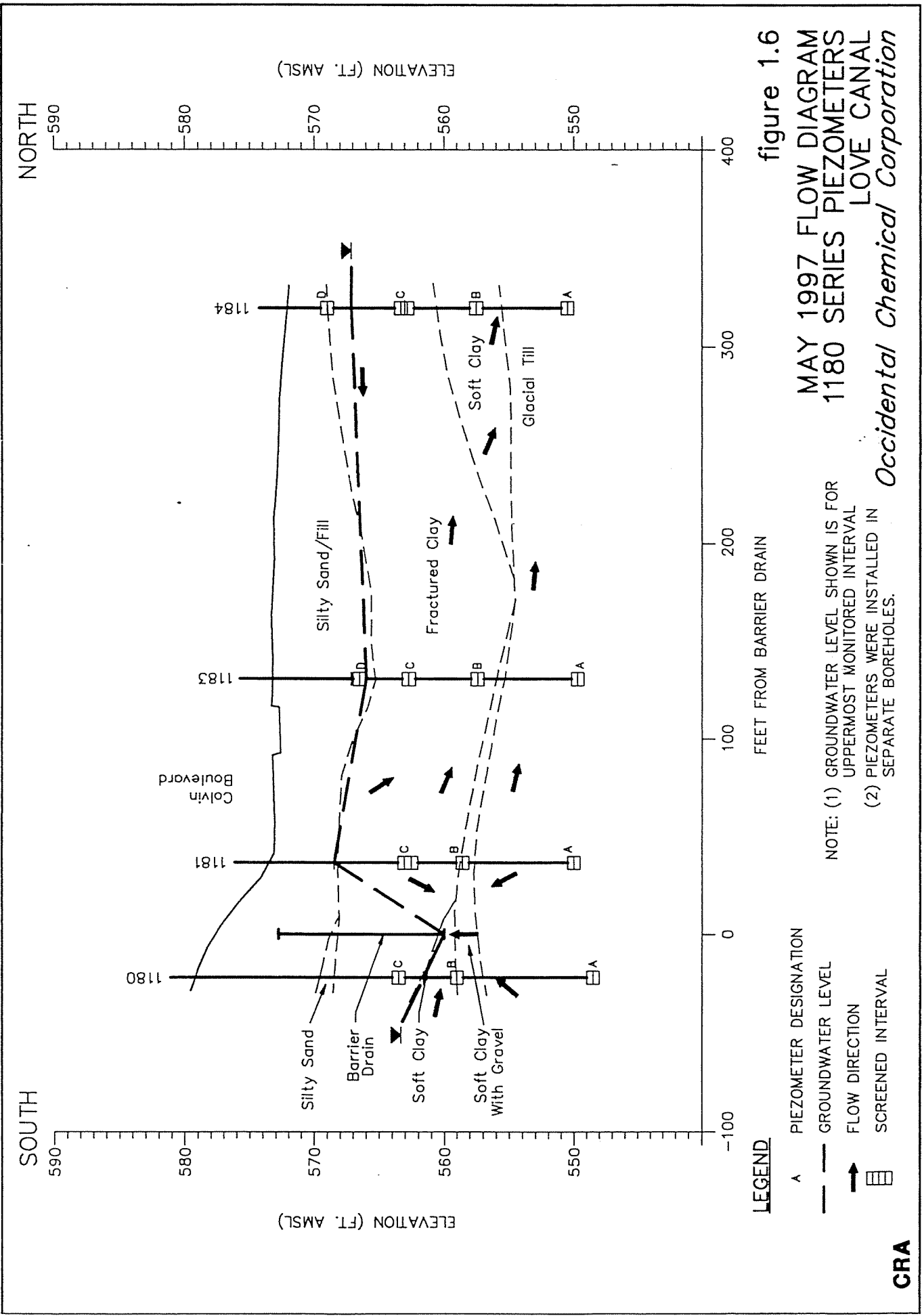


figure 1.6  
 MAY 1997 FLOW DIAGRAM  
 1180 SERIES PIEZOMETERS  
 LOVE CANAL  
*Occidental Chemical Corporation*

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR  
 UPPERMOST MONITORED INTERVAL  
 (2) PIEZOMETERS WERE INSTALLED IN  
 SEPARATE BOREHOLES.

- LEGEND**
- A PIEZOMETER DESIGNATION
  - GROUNDWATER LEVEL
  - ↑ FLOW DIRECTION
  - ▨ SCREENED INTERVAL

**CRA**

06440(005)WA001 JAN 27/98

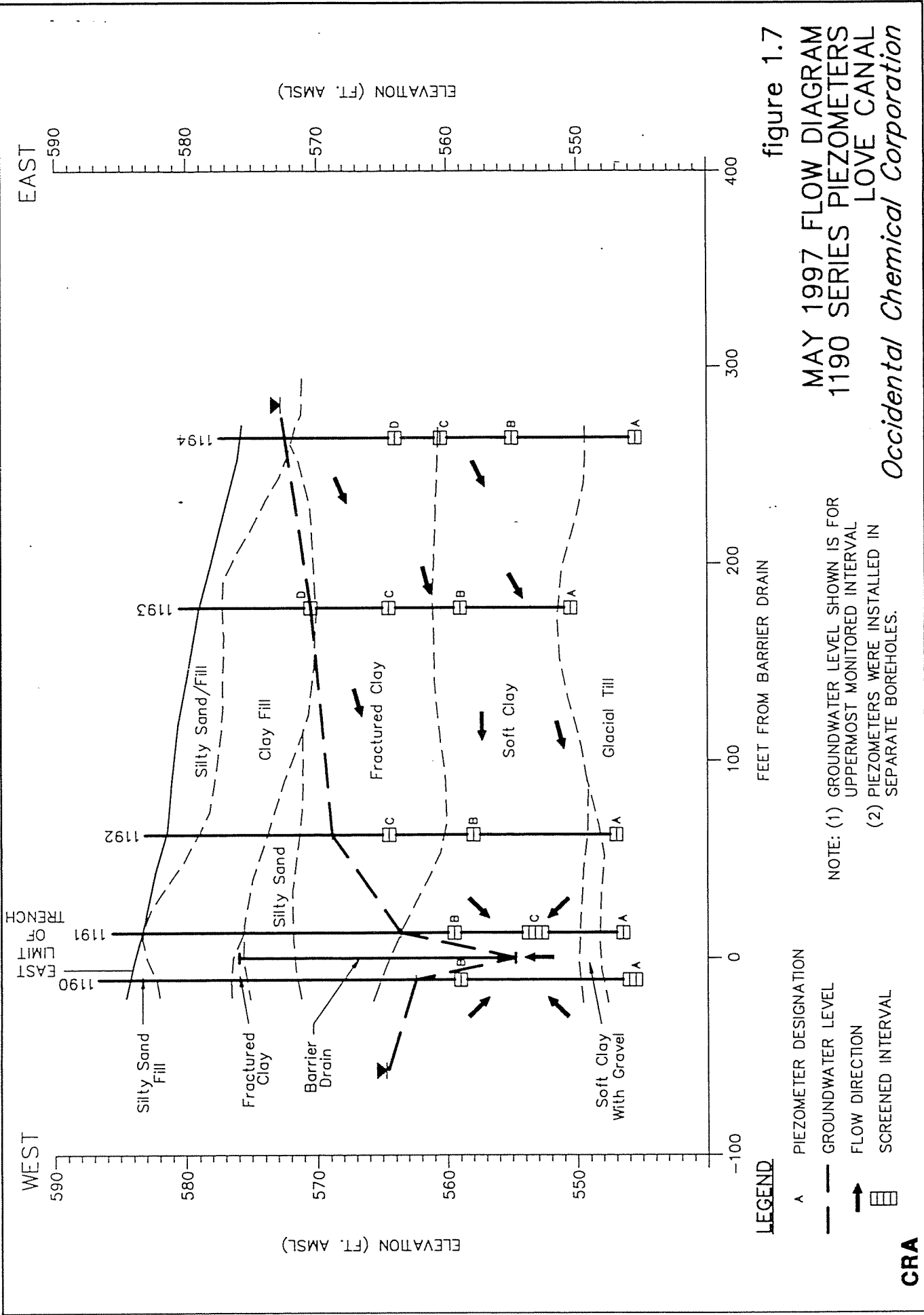


figure 1.7  
 MAY 1997 FLOW DIAGRAM  
 1190 SERIES PIEZOMETERS  
 LOVE CANAL  
 Occidental Chemical Corporation

NOTE: (1) GROUNDWATER LEVEL SHOWN IS FOR UPPERMOST MONITORED INTERVAL  
 (2) PIEZOMETERS WERE INSTALLED IN SEPARATE BOREHOLES.

- LEGEND**
- A PIEZOMETER DESIGNATION
  - GROUNDWATER LEVEL
  - FLOW DIRECTION
  - ▭ SCREENED INTERVAL

**CRA**

TABLE 1.1

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

<i>Month</i>	<i>Volume (gal)</i>		
	<i>1995</i>	<i>1996</i>	<i>1997</i>
January	597,650	474,330	337,720
February	202,235	252,450	456,800
March	385,910	331,690	520,600
April	132,790	615,350	184,400
May	123,140	513,310	126,850
June	125,300	251,400	210,630
July	132,400	113,300	96,810
August	112,910	146,700	223,390
September	111,200	310,550	116,790
October	491,440	532,360	326,100
November	641,210	393,730	346,550
December	235,900	499,540	524,760
Total	3,292,085	4,434,710	3,471,400
Monthly Average	274,340	369,560	289,280

TABLE 1.2

SUMMARY OF DETECTED COMPOUNDS  
1997 LONG-TERM MONITORING PROGRAM  
LOVE CANAL  
OCCIDENTAL CHEMICAL CORPORATION

<i>Overburden Wells</i>	VOCs	SVOCs	Pesticides/PCBs
3151	ND	ND	ND
7120	ND	ND	ND
7130	ND/ND	ND/ND	ND/ND
7132	ND	ND	ND
7155	ND	ND	ND
7161	ND	ND	ND
8106	ND	ND	ND
8110	ND	ND	ND
8120	ND	ND	ND
8130	ND	ND	ND
8135	ND	1	ND
8140	ND	ND	ND
9110	ND	ND	ND
9115	ND	ND	ND
9118	ND	ND	ND
9120	ND/ND	ND/ND	ND/ND
9125	ND	ND	ND
9140	ND	ND	ND
10113	ND	ND	ND
10135	3/2	3/3	3/4
10147	ND	ND	ND
10174A	ND	ND	ND
<i>Bedrock Wells</i>			
3257	ND	ND	ND
5222	ND	ND	ND
6209	ND	ND	ND
7205	ND	ND	ND
8210	ND	1	ND
9205	ND/ND	ND/ND	ND/ND
9210	1	1	ND
10205	ND	ND	ND
10210A	ND	1	ND
10210B	ND	ND	ND
10210C	ND	2	ND
10215	ND	ND	ND
10225A	1	ND	ND
10225B	1	ND	ND
10225C	ND	ND	ND
10270	ND	ND	ND
10272	ND	ND	ND
10278	ND	ND	1
<b>Total # of Detections</b>	<b>6/5</b>	<b>9/9</b>	<b>4/5</b>

## Notes:

9 - Number of parameters detected.

1/1 - Duplicate analyses.

ND - No parameters detected at or above detection limits.



SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 TO 1997  
 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 7/10/97 7/24/90 8/22/91 8/26/92 8/11/93 6/15/94 6/1/95 7/5/96 7/1/97

Compounds	7/24/90	8/22/91	8/26/92	8/11/93	5/25/95	7/1/96	7/10/97	7/24/90	8/22/91	8/26/92	8/11/93	6/15/94	6/1/95	7/5/96	7/1/97
<b>Volatiles (ug/L)</b>															
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															
<b>Semi-volatiles (ug/L)</b>															
Pentachlorophenol															
Phenol															
bis(2-Ethylhexyl)Phthalate															
2,4-Dichlorophenol									3						
2,4,5-Trichlorophenol								7B	13						55
2-Methylphenol															
4-Methylphenol															
2-Chloronaphthalene															
Benzyl Alcohol															
Benzoic Acid															
Di-n-Octyl Phthalate															
Dimethyl Phthalate															
1,2-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2,4-Trichlorobenzene															
Aldrin															

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 TO 1997  
 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 7/10/97 7/24/90 8/22/91 8/26/92 8/11/93 6/15/94 6/11/95 7/5/96 7/10/97

*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.
- J - Estimated Concentration.
- D - Diluted Sampled.
- 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.

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 TO 1997  
 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	7/1/96	7/1/97	8/26/92	8/19/93	6/22/94	6/1/95	6/27/96	7/7/97
	10B	23B	19B	100B														
<b>Volatiles (ug/L)</b>																		
Vinyl Chloride														41			50	
Methylene Chloride														270	100B		11	
Acetone														1700E	21500BE	18000D	60	
Toluene														15				
1,1-Dichloroethane														840			560	
1,2-Dichloroethene (total)																		
Carbon Disulfide																		
2-Butanone														5200				
Chloroform														100			110	
Trichloroethene														24			36	
1,1,2-Trichloroethane																	14	
Benzene																	4800	5600/5000
Chlorobenzene														1700	6000E	4900D	1500	2300/ND
Xylene (total)														47	10B		28	
1,1,2,2-Tetrachloroethane														12			26	
Vinyl Acetate																		
Ethylbenzene																		
<b>Semi-volatiles (ug/L)</b>																		
Pentachlorophenol																		
Phenol																		
bis(2-Ethylhexyl)Phthalate																		
2,4-Dichlorophenol																		
2,4,5-Trichlorophenol																		
2-Methylphenol																		
4-Methylphenol																		
2-Chloronaphthalene																		
Benzyl Alcohol																		
Benzoic Acid																		
Di-n-Octyl Phthalate																		
Dimethyl Phthalate																		
1,2-Dichlorobenzene																		
1,4-Dichlorobenzene																		
1,2,4-Trichlorobenzene																		
Aldrin																		

SUMMARY OF DETECTED COMPOUNDS FOR SELECTED WELLS, 1990 TO 1997  
 LOVE CANAL LONG-TERM MONITORING PROGRAM  
 OCCIDENTAL CHEMICAL CORPORATION

Well Number:	10210C				10135									
	7/25/90	8/22/91	8/26/92	8/11/93	6/8/94	6/11/95	7/1/96	7/1/97	8/26/92	8/19/93	6/22/94	6/1/95	6/27/96	7/7/97
<i>Semi-volatiles (cont'd) (ug/L)</i>														
Bis(2-Chloroethyl)Ether									23					
Endrin											0.15P			
Endosulfan Sulfate									0.43P					
<i>Pesticides/PCBs (ug/L)</i>														
Alpha-BHC			84		42C	24CEP	28D	29	39/39					
Beta-BHC			15		9.8P	7.5CE	10D	11	8.1/8.6					
Delta-BHC			33		19.5	20.4CE	4.7	5.2	ND/5.1					
Beta & Gamma-BHC (sum of isomers)									13.2/14.8					

Notes:

- B - Found in blank.
- C - Confirmed data.
- J - Estimated Concentration.
- D - Diluted Sampled.
- 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

1997 LOVE CANAL SYSTEM REPAIRS  
OCCIDENTAL CHEMICAL CORPORATION  
GLENN SPRINGS HOLDINGS, INC.

REPLACED GASKETS NORTH AND SOUTH FILTER FEED PUMPS.

PURCHASED AND REPLACED NORTH WELL PUMP PC2A.

REPLACED MOTOR TREATMENT DRAVO UNIT.

RESTORED SOIL TO THE AREA OF THE DEWATERING CONTAINMENT FACILITY AND THE CLAY STOCK PILE.

REPAIRED WATER FLOW CHART DCF UNIT.

REPAIRED COUPLING PC2 PUMP CHAMBER.

REPLACED 11 OUTSIDE METAL VENT ABSORBERS WITH NEW PLASTIC VENT ABSORBERS.

UPGRADED THE 386 CONTROL ROOM PC TO A PENTIUM 90/XPS.

REPLACED WOODEN MAIN GATE ENCLOSURE WITH A METAL ONE.

REPLACED CARBON IN LEAD BED TWO TIMES.

CLEANED ALL WELL CHAMBERS/STORAGE TANK/INSIDE TREATMENT TANKS AND THE CLARIFIER.

CLEANED ALL 4 EMPTY OUTSIDE SLUDGE STORAGE TANKS.

PLACED A WOODEN FLOOR SUPPORT ON THE CLARIFIER ROOF.

REPLACED THE COMPRESSOR - TREATMENT BUILDING CONTROL ROOM AIR CONDITIONER.

REPLACED MANWAY GASKET CARBON BED.

REPAIRED EMERGENCY LIGHTS ADMINISTRATION BUILDINGS.

REPAIRED EMERGENCY LIGHTS TREATMENT BUILDING.

REPLACED TWO BACKFLOW PREVENTERS.

LOWERED TOP OF WELL LINE PC2 PUMP.

REPAIRED DRUM BARN HEATER.

LOWERED RISER PIPES ON 17 WELLS TO FLUSHMOUNTS PURSUANT TO REQUEST FROM LCARA AND DEC TO FACILITATE REDEVELOPMENT OF THE AREA.

APPENDIX A

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

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ATTACHMENT 1	TENTATIVELY IDENTIFIED COMPOUNDS
ATTACHMENT 2	CHAIN OF CUSTODY FORMS



## 1.0 EXECUTIVE SUMMARY

Forty-four 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 May 12 through July 10, 1997. 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 1.

### Volatiles

All sample results were acceptable with the exception of some 2-chloroethylvinylether results which were rejected due to poor instrument sensitivity. All sample results were non-detect with the exception of carbon disulfide in samples 10225B, 10225A, and 9210; and benzene, toluene, and chlorobenzene in sample 10135.

### Semi-Volatiles

All sample results were acceptable. Most sample results were non-detect. Benzoic acid and/or phthalate compounds were detected in samples 8210, 10210A, 10210B, 10210C, 8135, 10135, and 9210 at levels near the detection limits.

### Pesticides/PCBs

All sample results were acceptable. BHC isomers were detected in samples 10278 and 10135 at concentrations ranging from 5 to 39 µg/L, the remaining pesticide and PCB results were non-detect.

## 2.0 INTRODUCTION

Forty-four groundwater samples (including four field duplicates) were collected in support of the LTMP Love Canal Site in Niagara Falls, New York (Site), from May 12 through July 10, 1997. The samples were analyzed for Site-specific volatiles, semi-volatiles, and pesticide/PCBs. A sample collection and analysis summary is presented in Table 1.

The analytical results are presented in Table 2. Tentatively Identified Compounds (TICs) were reviewed and a summary is presented in Attachment 1. Copies of the chains of custody are included in Attachment 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 New York State Department of Environmental Conservation 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 extraction to analysis
Pesticides/PCBs	5 Days from VTSR to extraction; 40 Days from extraction to analysis

A summary of sample holding time data is presented in Table 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 ( $\pm 2^\circ$ ).

#### 3.2 INSTRUMENT CALIBRATION

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

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

- i) high Relative Standard Deviations (RSDs) were reported for various volatile and semi-volatile compounds. The Relative Response Factor (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 in the initial calibrations performed on July 6 and July 16, 1997. Associated sample results for this compound were non-detect and were rejected based on unreliable sensitivity;
- iii) some continuing calibration standard results indicated variability in instrument responses for various compounds. The RRFs for the compounds were acceptable indicating adequate sensitivity. All associated sample results were non-detect with the exception of some benzoic acid results. Non-detect results were judged to be acceptable based on adequate sensitivity and positive sample results were qualified as estimated to reflect variability in analyte quantitation; and
- iv) the initial calibration of hexachlorocyclopentadiene analyzed on June 23, 1997 exhibited variability and unreliable sensitivity near the reporting limit. All associated results were non-detect and were reported at an elevated limit.

#### Gas Chromatograph (GC) - Pesticides/PCBs

Initial and continuing calibration data showed adequate instrument sensitivity, linearity, and resolution. All retention times fell within the established retention time windows.

#### 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 properly 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 4. All surrogate recoveries met the method acceptance criteria with the following exceptions:

- i) high decachlorobiphenyl and/or TCMX recoveries were reported for some of the pesticide analyses. All associated sample results were non-detect and would not have been affected by the implied high bias.
- ii) due to necessary sample dilutions, surrogate recoveries could not be reported for the SVOC and pesticide/PCB analyses of samples 10135 and 10135dup. Analytical accuracy for these samples was assessed based on spike recoveries (see Section 3.7).

### 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 5. Generally, method blank results were non-detect with the exception of low level acetone, methylene chloride, 2-butanone, benzoic acid, and phthalate concentrations detected in some of the method blanks. All associated positive sample results up to ten times (five times for benzoic acid) the concentrations detected in the blanks were qualified as non-detect.

### 3.6 BLANK SPIKE

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

Spike recoveries showed acceptable analytical accuracy with the following exceptions:

- i) slightly high 4-nitrophenol and pentachlorophenol recoveries were reported for some of the semi-volatile BS analyses. All associated results were non-detect and would not be affected by the potential high bias; and
- ii) low gamma-BHC recoveries were reported for the BSs extracted July 3 and July 10, 1997. All non-detect gamma-BHC results were judged to be acceptable. Based on sufficient analyte recovery, all positive results were qualified as estimated to reflect the implied low bias.
- iii) the SVOC BS extracted on June 29, 1997 yielded a low 1,4-dichlorobenzene recovery and high recoveries of various other compounds. Based on acceptable matrix spike/matrix spike duplicate recoveries for the associated samples (see Section 3.7) these recoveries were considered an anomaly and not assessed.

### 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 7.

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

- i) slightly high 4-nitrophenol, pentachlorophenol, and 2,4-dinitrotoluene recoveries were reported for some of the MS/MSD analyses. All associated sample results were non-detect and would not be affected by the potential high bias;
- ii) low gamma-BHC recoveries were reported for the MS/MSD of samples 6209, 10225C, and 5222. The sample results were non-detect and judged to be acceptable without qualifications based on sufficient recoveries to demonstrate adequate sensitivity.

- iii) variability was observed for gamma-BHC and dieldrin in the MS/MSD analysis of sample 6209. All associated results for those compounds were non-detect and would not have been affected by the implied variability.

### 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 8. All field duplicate results showed acceptable comparability with the original sample results.

#### Field Blanks

A rinse blank and a deionized water blank were collected and analyzed with the samples, and the results are summarized in Table 9.

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

- i) low level acetone, methylene chloride, and phthalate concentrations were detected in 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 carbon disulfide, benzoic acid, and heptachlor concentrations were detected in the rinse 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 10. Low levels of three 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 concentration of 1,2-dichloroethene (total) 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 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.

TABLE 1  
 SAMPLE COLLECTION AND ANALYSIS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

<i>Sample ID</i>	<i>Location ID</i>	<i>Date of Collection</i>	<i>Analyses</i>	<i>Comments</i>
3151	3151	06/10/97	VOCs, SVOCs, Pesticides/PCBs	
3257	3257	06/09/97	VOCs, SVOCs, Pesticides/PCBs	
5222	5222	07/07/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
6209	6209	06/25/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
7120	7120	05/13/97	VOCs, SVOCs, Pesticides/PCBs	
12002	7130	05/20/97	VOCs, SVOCs, Pesticides/PCBs	Dup. of 7130
7130	7130	05/20/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
7132	7132	06/09/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
7155	7155	06/09/97	VOCs, SVOCs, Pesticides/PCBs	
7161	7161	06/09/97	VOCs, SVOCs, Pesticides/PCBs	
7205	7205	05/14/97	VOCs, SVOCs, Pesticides/PCBs	
8106	8106	05/13/97	VOCs, SVOCs, Pesticides/PCBs	
8110	8110	06/10/97	VOCs, SVOCs, Pesticides/PCBs	
8120	8120	06/10/97	VOCs, SVOCs, Pesticides/PCBs	
8130	8130	06/12/97	VOCs, SVOCs, Pesticides/PCBs	
8135	8135	07/07/97	VOCs, SVOCs, Pesticides/PCBs	
8140	8140	06/12/97	VOCs, SVOCs, Pesticides/PCBs	
8210	8210	06/10/97	VOCs, SVOCs, Pesticides/PCBs	
9110	9110	06/12/97	VOCs, SVOCs, Pesticides/PCBs	
9115	9115	06/12/97	VOCs, SVOCs, Pesticides/PCBs	
9118	9118	06/13/97	VOCs, SVOCs, Pesticides/PCBs	
12003	9120	06/13/97	VOCs, SVOCs, Pesticides/PCBs	Dup. of 9120
9120	9120	06/13/97	VOCs, SVOCs, Pesticides/PCBs	
9125	9125	06/13/97	VOCs, SVOCs, Pesticides/PCBs	
9140	9140	07/02/97	VOCs, SVOCs, Pesticides/PCBs	
9205	9205	05/13/97	VOCs, SVOCs, Pesticides/PCBs	
12001	9205	05/13/97	VOCs, SVOCs, Pesticides/PCBs	Dup. of 9205
9210	9210	07/09/97	VOCs, SVOCs, Pesticides/PCBs	
10113	10113	07/02/97	VOCs, SVOCs, Pesticides/PCBs	
12004	10135	07/07/97	VOCs, SVOCs, Pesticides/PCBs	Dup. of 10135
10135	10135	07/07/97	VOCs, SVOCs, Pesticides/PCBs	
10147	10147	05/12/97	VOCs, SVOCs, Pesticides/PCBs	
10205	10205	07/02/97	VOCs, SVOCs, Pesticides/PCBs	
10215	10215	05/14/97	VOCs, SVOCs, Pesticides/PCBs	
10270	10270	05/13/97	VOCs, SVOCs, Pesticides/PCBs	
10272	10272	06/25/97	VOCs, SVOCs, Pesticides/PCBs	
10278	10278	07/07/97	VOCs, SVOCs, Pesticides/PCBs	
10174A	10174A	06/25/97	VOCs, SVOCs, Pesticides/PCBs	
10210A	10210A	07/10/97	VOCs, SVOCs, Pesticides/PCBs	
10210B	10210B	07/01/97	VOCs, SVOCs, Pesticides/PCBs	
10210C	10210C	07/01/97	VOCs, SVOCs, Pesticides/PCBs	
10225A	10225A	05/12/97	VOCs, SVOCs, Pesticides/PCBs	
10225B	10225B	05/12/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
10225C	10225C	06/30/97	VOCs, SVOCs, Pesticides/PCBs	MS/MSD
RB 051297	-	05/12/97	VOCs, SVOCs, Pesticides/PCBs	Rinse Blank

TABLE 1  
 SAMPLE COLLECTION AND ANALYSIS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

<i>Sample ID</i>	<i>Location ID</i>	<i>Date of Collection</i>	<i>Analyses</i>	<i>Comments</i>
DI BLANK 051297	-	05/12/97	VOCs, SVOCs, Pesticides/PCBs	Deionized Water Blank
TB 051297 A	-	05/12/97	VOCs	Trip Blank
TB 051297 B	-	05/12/97	VOCs	Trip Blank
TB 051397	-	05/13/97	VOCs	Trip Blank
TB 051497	-	05/14/97	VOCs	Trip Blank
TB 052097	-	05/20/97	VOCs	Trip Blank
TB 060997	-	06/09/97	VOCs	Trip Blank
TB 061097	-	06/10/97	VOCs	Trip Blank
TB 061297	-	06/12/97	VOCs	Trip Blank
TB 061397	-	06/13/97	VOCs	Trip Blank
TB 062597	-	06/25/97	VOCs	Trip Blank
TB 063097	-	06/30/97	VOCs	Trip Blank
TB 070297	-	07/02/97	VOCs	Trip Blank
TB 070797	-	07/07/97	VOCs	Trip Blank
TB 071097	-	07/10/97	VOCs	Trip Blank

## Notes:

Dup    Field Duplicate.  
 MS    Matrix Spike.  
 MSD   Matrix Spike Duplicate.  
 PCBs   Polychlorinated Biphenyls.  
 SVOCs   Semi-Volatile Organic Compounds.  
 VOCs   Volatile Organic Compounds.

TABLE 2  
ANALYTICAL RESULTS SUMMARY  
LONG-TERM MONITORING PROGRAM  
GLENN SPRINGS HOLDINGS, INC.  
NIAGARA FALLS, NEW YORK  
LOVE CANAL  
MAY - JULY 1997

	Location ID:	3151	3257	5222	6209	7120	7130	12002 (Dup. of 7130)	7132	7155	7161
	Collection Date:	06/10/97	06/09/97	07/07/97	06/25/97	05/13/97	05/20/97	05/20/97	06/09/97	06/09/97	06/09/97
	Units										
<b>Volatiles</b>											
Chloromethane	µg/L	ND 10	ND 10	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	ND 10	ND 10
Vinyl chloride	µg/L	ND 10	ND 10	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	ND 10	ND 10
Methylene chloride	µg/L	ND 10	ND 10	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 10	ND 10	ND 10	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	ND 10	ND 10
Vinyl acetate	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
1,2-Dichloroethane (total)	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
2-Butanone	µg/L	ND 10	ND 10	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	ND 10	ND 10
Carbon tetrachloride	µg/L	ND 10	ND 10	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	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	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	ND 10	ND 10
Trichloroethene	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
Benzene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Bromoforn	µg/L	ND 10	ND 10	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	ND 10	ND 10
2-Hexanone	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
Toluene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Ethylbenzene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Xylene (total)	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	µg/L	ND 10	ND 10	R	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVECANAL  
 MAY - JULY 1997

Location ID:	3151	3257	5222	6209	7120	7130	12002 (Dup. of 7130)	7132	7155	7161
Collection Date:	06/10/97	06/09/97	07/07/97	06/23/97	05/13/97	05/20/97	05/20/97	06/09/97	06/09/97	06/09/97
Units										
Semi-Volatiles										
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis(2-Chloroethoxy)ether	ND 10	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	ND 10
1,3-Dichlorobenzene	ND 10	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	ND 10
Benzyl alcohol	ND 10	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	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	ND 10	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	ND 10
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Nitrobenzene	ND 10	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	ND 10
2-Nitrophenol	ND 10	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	ND 10
Benzoic acid	ND 50	ND 50	ND 10	ND 50	ND 50	ND 10	ND 50	ND 50	ND 50	ND 50
bis(2-Chloroethoxy)methane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 10	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	ND 10
4-Chloroaniline	ND 10	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	ND 10
4-Chloro-3-methylphenol	ND 10	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	ND 10
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 25	ND 25	ND 10	ND 25	ND 25	ND 10	ND 25	ND 25	ND 25	ND 25
2,4,5-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloronaphthalene	ND 10	ND 10	ND 25	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 10	ND 10	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
3-Nitroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acenaphthene	ND 10	ND 10	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
2,4-Dinitrophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4-Nitrophenol	ND 25	ND 10	ND 10	ND 25	ND 10	ND 10	ND 25	ND 10	ND 10	ND 10
Dibenzofuran	ND 10	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	ND 10
Diethylphthalate	ND 10	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	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	3151	3257	5222	6209	7120	7130	12002 (Dup. of 7130)	7132	7155	7161
	Collection Date:	06/10/97	06/09/97	07/07/97	06/23/97	05/13/97	05/20/97	05/20/97	06/09/97	06/09/97	06/09/97
	Units										
<i>Semi-Volatiles (Cont'd.)</i>											
4-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
n-Nitroso-di-n-phenylamine	µg/L	ND 10	ND 10	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	ND 10	ND 10
Hexachlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 25	ND 10	ND 10	ND 25	ND 10	ND 25	ND 10
Pentachlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Phenanthrene	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
Fluoranthene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Butylbenzylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	ND 10	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	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	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	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	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	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	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	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	ND 10	ND 10	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	ND 10	ND 10
<i>Pesticides/PCBs</i>											
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	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	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	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	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	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	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	ND 0.05	ND 0.05
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	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	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	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	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	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	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	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	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	ND 0.50	ND 0.50

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	3151	3257	5222	6209	7120	7130	12002 (Dup. of 7130)	7132	7155	7161
	Collection Date:	06/10/97	06/09/97	07/07/97	06/25/97	05/13/97	05/20/97	05/20/97	06/09/97	06/09/97	06/09/97
	Units										
<b>Pesticides/PCBs (Cont'd)</b>											
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	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	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	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	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	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	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	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	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	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	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	ND 1.0	ND 1.0

TABLE 2  
ANALYTICAL RESULTS SUMMARY  
LONG-TERM MONITORING PROGRAM  
GLENN SPRINGS HOLDINGS, INC.  
NIAGARA FALLS, NEW YORK  
LOVE CANAL  
MAY - JULY 1997

	Location ID:	7205	8106	8110	8120	8130	8135	8140	8210	9110	9115
	Collection Date:	05/14/97	05/13/97	06/10/97	06/10/97	06/12/97	07/07/97	06/12/97	06/10/97	06/12/97	06/12/97
	Units										
Volatiles											
Chloromethane	µg/L	ND 10	ND 10	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	ND 10	ND 10
Vinyl chloride	µg/L	ND 10	ND 10	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	ND 10	ND 10
Methylene chloride	µg/L	ND 10	ND 10	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 10	ND 10	ND 10	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	ND 10	ND 10
Vinyl acetate	µg/L	ND 10	ND 10	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	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	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	ND 10	ND 10
Chloroform	µg/L	ND 10	ND 10	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	ND 10	ND 10
2-Butanone	µg/L	ND 10	ND 10	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	ND 10	ND 10
Carbon tetrachloride	µg/L	ND 10	ND 10	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	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	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	ND 10	ND 10
Trichloroethene	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
Benzene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Bromoform	µg/L	ND 10	ND 10	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	ND 10	ND 10
2-Hexanone	µg/L	ND 10	ND 10	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	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	ND 10	ND 10
Toluene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Ethylbenzene	µg/L	ND 10	ND 10	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	ND 10	ND 10
Xylene (total)	µg/L	ND 10	ND 10	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	R	ND 10	ND 10	ND 10	ND 10



TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	7205	8106	8110	8120	8130	8135	8140	8210	9110	9115
Collection Date:	05/14/97	05/13/97	06/10/97	06/10/97	06/12/97	07/07/97	06/12/97	06/10/97	06/12/97	06/12/97
Units										
Semi-Volatiles										
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
bis(2-Chloroethyl)ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzoic acid	ND 50	ND 50	ND 10	ND 50	ND 50	ND 10	ND 50	ND 200	ND 50	ND 50
bis(2-Chloroethoxy)methane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,4,5-Trichlorophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2-Nitroaniline	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,6-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 25	ND 10	ND 40	ND 10	ND 10
3-Nitroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Acenaphthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 25	ND 10	ND 40	ND 10	ND 10
2,4-Dinitrophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
4-Nitrophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10

TABLE 2  
ANALYTICAL RESULTS SUMMARY  
LONG-TERM MONITORING PROGRAM  
GLENN SPRINGS HOLDINGS, INC.  
NIAGARA FALLS, NEW YORK  
LOVE CANAL  
MAY - JULY 1997

	Location ID:	7205	8106	8110	8120	8130	8135	8140	8210	9110	9115
	Collection Date:	05/14/97	05/13/97	06/10/97	06/10/97	06/12/97	07/07/97	06/12/97	06/10/97	06/12/97	06/12/97
	Units										
<b>Semi-Volatiles (Cont'd.)</b>											
4-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 100	ND 25	ND 25
n-Nitroso-di-n-phenylamine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
4-Bromophenyl-phenylether	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Hexachlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 25	ND 25	ND 100	ND 25	ND 25
Pentachlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 10	ND 10	ND 40	ND 10	ND 10
Phenanthrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Anthracene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Di-n-butylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Pyrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Butylbenzylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Chrysene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	66	ND 13	230	ND 10	ND 15
Di-n-octylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzo(b)fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzo(k)fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	ND 10	ND 10
Benzo(a)pyrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	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 40	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 40	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 40	ND 10	ND 10
<b>Pesticides/PCBs</b>											
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	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	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	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	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	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	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	ND 0.05	ND 0.05
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	ND 0.05	ND 0.05
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	ND 0.10	ND 0.10
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	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	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	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	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	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	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	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 0.53	ND 0.50	ND 0.50

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	7205	8106	8110	8120	8130	8135	8140	8210	9110	9115
	Collection Date:	05/14/97	05/13/97	06/10/97	06/10/97	06/12/97	07/07/97	06/12/97	06/10/97	06/12/97	06/12/97
	Units										
Pesticides/PCBs (Cont'd.)											
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	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	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	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 5.3	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	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 2.1	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	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	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	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	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	ND 1.0	ND 1.0

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	9118	9120	12003 (Dup. of 9120)	9125	9140	9205	12001 (Dup. of 9205)	9210	10113	10135
	Collection Date:	06/13/97	06/13/97	06/13/97	06/13/97	07/02/97	05/13/97	05/13/97	07/09/97	07/02/97	07/07/97
	Units										
<i>Volatiles</i>											
Chloromethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Bromomethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Vinyl chloride	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Chloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Methylene chloride	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Acetone	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Carbon disulfide	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Vinyl acetate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,1-Dichloroethene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,1-Dichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,2-Dichloroethene (total)	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Chloroform	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,2-Dichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Butanone	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,1,1-Trichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Carbon tetrachloride	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Bromodichloromethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,2-Dichloropropane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
cis-1,3-Dichloropropene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Trichloroethene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Dibromochloromethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,1,2-Trichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Benzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
trans-1,3-Dichloropropene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	5600
Bromoform	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
4-Methyl-2-pentanone	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Hexanone	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Tetrachloroethene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
1,1,2,2-Tetrachloroethane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Toluene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	19000
Chlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2300
Ethylbenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Styrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
Xylene (total)	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000
2-Chloroethylvinylether	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	R

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
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	Location ID:	9118	9120	12003 (Dup. of 9120)	9125	9140	9205	12001 (Dup. of 9205)	9210	10113	10135
	Collection Date:	06/13/97	06/13/97	06/13/97	06/13/97	07/02/97	05/13/97	05/13/97	07/09/97	07/02/97	07/07/97
	Units										
<b>Semi-Volatiles</b>											
Phenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
bis(2-Chloroethyl)ether	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2-Chlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
1,3-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
1,4-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Benzyl alcohol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	1900
1,2-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2-Methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,2'-oxybis(1-Chloropropane)	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
4-Methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
n-Nitroso-di-n-propylamine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Nitrobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Isophorone	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2-Nitrophenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,4-Dimethylphenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Benzoic acid	µg/L	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 800
bis(2-Chloroethoxy)methane	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	30000µg
2,4-Dichlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
1,2,4-Trichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Naphthalene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
4-Chloroaniline	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Hexachlorobutadiene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
4-Chloro-3-methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2-Methylnaphthalene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Hexachlorocyclopentadiene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,4,6-Trichlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 25	ND 25	ND 2000
2,4,5-Trichlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 2000
2-Chloronaphthalene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 26	ND 25	ND 25	ND 2000
2-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 10	ND 25	ND 10	ND 10	ND 10	ND 800
Dimethylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Acenaphthylene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,6-Dinitrotoluene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
3-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 25	ND 25	ND 2000
Acenaphthene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,4-Dinitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 25	ND 25	ND 2000
4-Nitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 25	ND 25	ND 2000
Dibenzofuran	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
2,4-Dinitrotoluene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Diethylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
4-Chlorophenyl-phenylether	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800
Fluorene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800



TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	9118	9120	12003 (Dup. of 9120)	9125	9140	9205	12001 (Dup. of 9205)	9210	10113	10135
	Collection Date:	06/13/97	06/13/97	06/13/97	06/13/97	07/02/97	05/13/97	05/13/97	07/09/97	07/02/97	07/07/97
	Units										
Pesticides/PCBs (Cont'd.)											
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	ND 0.10	ND 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	ND 0.05	ND 5.0
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	ND 0.05	ND 5.0
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	ND 5.0	ND 500
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	ND 1.0	ND 100
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	ND 2.0	ND 200
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	ND 1.0	ND 100
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	ND 1.0	ND 100
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	ND 1.0	ND 100
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	ND 1.0	ND 100
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	ND 1.0	ND 100

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	12004 (Dup. of 10135) 07/07/97	10147 05/12/97	10174A 06/25/97	10205 07/02/97	10210A 07/10/97	10210B 07/01/97	10210C 07/01/97	10215 05/14/97	10225A 05/12/97	10225B 05/12/97
Collection Date:	Units									
<i>Volatiles</i>										
Chloromethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromomethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl chloride	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Methylene chloride	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acetone	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon disulfide	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chloroform	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Butanone	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,1-Trichloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Carbon tetrachloride	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichloropropane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Trichloroethene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2-Trichloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzene	5000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
trans-1,3-Dichloropropene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bromoform	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Methyl-2-pentanone	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Hexanone	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,1,2,2-Tetrachloroethane	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Toluene	17000	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	ND 2500	ND 10*	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Styrene	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Xylene (total)	ND 2500	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	R	ND 10	ND 10	ND 10	R	ND 10	ND 10	ND 10	ND 10	ND 10



TABLE 2

ANALYTICAL RESULTS SUMMARY.  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	12004	10147	10174A	10205	10210A	10210B	10210C	10215	10225A	10225B
Collection Date:	(Dup. of 10135) 07/07/97	05/12/97	06/25/97	07/02/97	07/10/97	07/01/97	07/01/97	05/14/97	05/12/97	05/12/97
Units										
<i>Semi-Volatiles</i>										
Phenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	22	ND 10	ND 10	ND 10
bis(2-Chloroethyl)ether	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzyl alcohol	1600	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	62	ND 10	ND 10	ND 10
4-Methylphenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
n-Nitroso-di-n-propylamine	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Nitrobenzene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Isophorone	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzoic acid	27000j	ND 50	ND 67	ND 50	ND 10	ND 10	ND 50	ND 50	ND 50	ND 50
bis(2-Chloroethoxy)methane	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dichlorophenol	2100	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Naphthalene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Methylnaphthalene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4,6-Trichlorophenol	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
2,4,5-Trichlorophenol	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Chloronaphthalene	ND 1000	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	ND 400	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Dimethylphthalate	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acenaphthylene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	ND 400	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
3-Nitroaniline	ND 1000	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acenaphthene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4-Nitrophenol	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Dibenzofuran	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluorene	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	12004 (Dup. of 10135)	10147	10174A	10205	10210A	10210B	10210C	10215	10225A	10225B
	Collection Date:	07/07/97	05/12/97	06/25/97	07/02/97	07/10/97	07/01/97	07/01/97	05/14/97	05/12/97	05/12/97
	Units										
<b>Semi-Volatiles (Cont'd.)</b>											
4-Nitroaniline	µg/L	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
n-Nitroso-di-n-phenylamine	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	µg/L	ND 1000	ND 25	ND 33	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Phenanthrene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Anthracene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Fluoranthene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pyrene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Chrysene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 400	ND 10	ND 14	ND 11	ND 10	55	ND 10	ND 10	ND 15	ND 14
Di-n-octylphthalate	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(b)fluoranthene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(k)fluoranthene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(a)pyrene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Indeno(1,2,3-cd)pyrene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(g,h,i)perylene	µg/L	ND 400	ND 10	ND 13	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
<b>Pesticides/PCBs</b>											
alpha-BHC	µg/L	39	ND 0.05	ND 0.07	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	8.6	ND 0.05	ND 0.07	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	5.1	ND 0.05	ND 0.07	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	6.2J	ND 0.05	ND 0.07	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 5.0	ND 0.05	ND 0.07	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 5.0	ND 0.05	ND 0.07	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 5.0	ND 0.05	ND 0.07	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Endosulfan I	µg/L	ND 5.0	ND 0.05	ND 0.07	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 10	ND 0.10	ND 0.14	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 50	ND 0.50	ND 0.71	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	12004 (Dup. of 10135) 07/07/97	10147 05/12/97	10174A 06/25/97	10205 07/02/97	10210A 07/10/97	10210B 07/01/97	10210C 07/01/97	10215 05/14/97	10225A 05/12/97	10225B 05/12/97
	Collection Date:										
	Units										
Pesticides/PCBs (Cont'd)											
Endrin ketone	µg/L	ND 10	ND 0.10	ND 0.14	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 5.0	ND 0.05	ND 0.07	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 5.0	ND 0.05	ND 0.07	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 500	ND 5.0	ND 7.1	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 100	ND 1.0	ND 1.4	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 200	ND 2.0	ND 2.8	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 100	ND 1.0	ND 1.4	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 100	ND 1.0	ND 1.4	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 100	ND 1.0	ND 1.4	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 100	ND 1.0	ND 1.4	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 100	ND 1.0	ND 1.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	10225C	10270	10272	10278
	Collection Date:	06/30/97	05/13/97	06/25/97	07/07/97
	Units				
<i>Volatiles</i>					
Chloromethane	µg/L	ND 10	ND 10	ND 10	ND 10
Bromomethane	µg/L	ND 10	ND 10	ND 10	ND 10
Vinyl chloride	µg/L	ND 10	ND 10	ND 10	ND 10
Chloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
Methylene chloride	µg/L	ND 10	ND 10	ND 10	ND 10
Acetone	µg/L	ND 10	ND 10	ND 10	ND 12
Carbon disulfide	µg/L	ND 10	ND 10	ND 10	ND 10
Vinyl acetate	µg/L	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethene	µg/L	ND 10	ND 10	ND 10	ND 10
1,1-Dichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethene (total)	µg/L	ND 10	ND 10	ND 10	ND 10
Chloroform	µg/L	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
2-Butanone	µg/L	ND 10	ND 10	ND 10	ND 10
1,1,1-Trichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
Carbon tetrachloride	µg/L	ND 10	ND 10	ND 10	ND 10
Bromodichloromethane	µg/L	ND 10	ND 10	ND 10	ND 10
1,2-Dichloropropane	µg/L	ND 10	ND 10	ND 10	ND 10
cis-1,3-Dichloropropene	µg/L	ND 10	ND 10	ND 10	ND 10
Trichloroethene	µg/L	ND 10	ND 10	ND 10	ND 10
Dibromochloromethane	µg/L	ND 10	ND 10	ND 10	ND 10
1,1,2-Trichloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
Benzene	µg/L	ND 10	ND 10	ND 10	ND 10
trans-1,3-Dichloropropene	µg/L	ND 10	ND 10	ND 10	ND 10
Bromoform	µg/L	ND 10	ND 10	ND 10	ND 10
4-Methyl-2-pentanone	µg/L	ND 10	ND 10	ND 10	ND 10
2-Hexanone	µg/L	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	µg/L	ND 10	ND 10	ND 10	ND 10
1,1,2,2-Tetrachloroethane	µg/L	ND 10	ND 10	ND 10	ND 10
Toluene	µg/L	ND 10	ND 10	ND 10	ND 10
Chlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Ethylbenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Styrene	µg/L	ND 10	ND 10	ND 10	ND 10
Xylene (total)	µg/L	ND 10	ND 10	ND 10	ND 10
2-Chloroethylvinylether	µg/L	ND 10	ND 10	ND 10	R

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVECANAL  
 MAY - JULY 1997

	Location ID:	10225C	10270	10272	10278
	Collection Date:	06/30/97	05/13/97	06/25/97	07/07/97
	Units				
<i>Semi-Volatiles</i>					
Phenol	µg/L	ND 10	ND 10	ND 10	ND 10
bis(2-Chloroethyl)ether	µg/L	ND 10	ND 10	ND 10	ND 10
2-Chlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10
1,3-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
1,4-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Benzyl alcohol	µg/L	ND 10	ND 10	ND 10	ND 10
1,2-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
2-Methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	µg/L	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10
n-Nitroso-di-n-propylamine	µg/L	ND 10	ND 10	ND 10	ND 10
Nitrobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Isophorone	µg/L	ND 10	ND 10	ND 10	ND 10
2-Nitrophenol	µg/L	ND 10	ND 10	ND 10	ND 10
2,4-Dimethylphenol	µg/L	ND 10	ND 10	ND 10	ND 10
Benzoic acid	µg/L	ND 10	ND 50	ND 50	ND 10
bis(2-Chloroethoxy)methane	µg/L	ND 10	ND 10	ND 10	ND 10
2,4-Dichlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10
1,2,4-Trichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Naphthalene	µg/L	ND 10	ND 10	ND 10	ND 10
4-Chloroaniline	µg/L	ND 10	ND 10	ND 10	ND 10
Hexachlorobutadiene	µg/L	ND 10	ND 10	ND 10	ND 10
4-Chloro-3-methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10
2-Methylnaphthalene	µg/L	ND 10	ND 10	ND 10	ND 10
Hexachlorocyclopentadiene	µg/L	ND 10	ND 10	ND 25	ND 10
2,4,6-Trichlorophenol	µg/L	ND 10	ND 10	ND 10	ND 10
2,4,5-Trichlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25
2-Chloronaphthalene	µg/L	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25
Dimethylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10
Acenaphthylene	µg/L	ND 10	ND 10	ND 10	ND 10
2,6-Dinitrotoluene	µg/L	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25
Acenaphthene	µg/L	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25
4-Nitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25
Dibenzofuran	µg/L	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrotoluene	µg/L	ND 10	ND 10	ND 10	ND 10
Diethylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	µg/L	ND 10	ND 10	ND 10	ND 10
Fluorene	µg/L	ND 10	ND 10	ND 10	ND 10

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	10225C	10270	10272	10278
	Collection Date:	06/30/97	05/13/97	06/25/97	07/07/97
	Units				
<b>Semi-Volatiles (Cont'd.)</b>					
4-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25	ND 25	ND 25
n-Nitroso-di-n-phenylamine	µg/L	ND 10	ND 10	ND 10	ND 10
4-Bromophenyl-phenylether	µg/L	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25
Phenanthrene	µg/L	ND 10	ND 10	ND 10	ND 10
Anthracene	µg/L	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10
Fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10
Pyrene	µg/L	ND 10	ND 10	ND 10	ND 10
Butylbenzylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	ND 10	ND 10	ND 10
Chrysene	µg/L	ND 10	ND 10	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 10	ND 10	ND 10	ND 13
Di-n-octylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10
Benzo(b)fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10
Benzo(k)fluoranthene	µg/L	ND 10	ND 10	ND 10	ND 10
Benzo(a)pyrene	µg/L	ND 10	ND 10	ND 10	ND 10
Indeno(1,2,3-cd)pyrene	µg/L	ND 10	ND 10	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	ND 10	ND 10	ND 10	ND 10
Benzo(g,h,i)perylene	µg/L	ND 10	ND 10	ND 10	ND 10
<b>Pesticides/PCBs</b>					
alpha-BHC	µg/L	ND 0.05	ND 0.05	ND 0.05	0.83
beta-BHC	µg/L	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
gamma-BHC (lindane)	µg/L	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 0.25
Aldrin	µg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Heptachlor epoxide	µg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Endosulfan I	µg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Dieldrin	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
4,4'-DDE	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
Endrin	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
Endosulfan II	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
4,4'-DDD	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
Endosulfan sulfate	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
4,4'-DDT	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
Methoxychlor	µg/L	ND 0.50	ND 0.50	ND 0.50	ND 2.5

TABLE 2

ANALYTICAL RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Location ID:	10225C	10270	10272	10278
	Collection Date:	06/30/97	05/13/97	06/23/97	07/07/97
	Units				
<i>Pesticides/PCBs (Cont'd.)</i>					
Endrin ketone	µg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.50
alpha-Chlordane	µg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.25
gamma-Chlordane	µg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.25
Toxaphene	µg/L	ND 5.0	ND 5.0	ND 5.0	ND 25
Aroclor-1016	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1221	µg/L	ND 2.0	ND 2.0	ND 2.0	ND 10
Aroclor-1232	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1242	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1248	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1254	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0
Aroclor-1260	µg/L	ND 1.0	ND 1.0	ND 1.0	ND 5.0

Notes:

- J Estimated.
- NDx Not detected at or above x.
- PCBs Polychlorinated Biphenyls.
- R Rejected.

TABLE 3  
 HOLDING TIME SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID	Collection Date	Extraction Date	Analysis Date	Holding Time Exceedance (Days)	
				to Extraction	to Analysis
<i>Volatiles</i>					
3151	06/10/97	-	06/14/97	-	0
3257	06/09/97	-	06/12/97	-	0
5222	07/07/97	-	07/15/97	-	0
6209	06/25/97	-	06/28/97	-	0
7120	05/13/97	-	05/18/97	-	0
7130	05/20/97	-	05/25/97	-	0
7130 Dup.	05/20/97	-	05/25/97	-	0
7132	06/09/97	-	06/12/97	-	0
7155	06/09/97	-	06/12/97	-	0
7161	06/09/97	-	06/12/97	-	0
7205	05/14/97	-	05/19/97	-	0
8106	05/13/97	-	05/17/97	-	0
8110	06/10/97	-	06/14/97	-	0
8120	06/10/97	-	06/14/97	-	0
8130	06/12/97	-	06/16/97	-	0
8135	07/07/97	-	07/12/97	-	0
8140	06/12/97	-	06/17/97	-	0
8210	06/10/97	-	06/14/97	-	0
9110	06/12/97	-	06/17/97	-	0
9115	06/12/97	-	06/17/97	-	0
9118	06/13/97	-	06/17/97	-	0
9120	06/13/97	-	06/17/97	-	0
9120 Dup.	06/13/97	-	06/17/97	-	0
9125	06/13/97	-	06/20/97	-	0
9140	07/02/97	-	07/06/97	-	0
9205	05/13/97	-	05/17/97	-	0
9205 Dup.	05/13/97	-	05/19/97	-	0
9210	07/09/97	-	07/17/97	-	0
10113	07/02/97	-	07/06/97	-	0
10135	07/07/97	-	07/15/97	-	0
10135 Dup.	07/07/97	-	07/15/97	-	0
10147	05/12/97	-	05/17/97	-	0
10174	06/25/97	-	06/28/97	-	0
10205	07/02/97	-	07/10/97	-	0
10215	05/14/97	-	05/19/97	-	0
10270	05/13/97	-	05/18/97	-	0
10272	06/25/97	-	06/28/97	-	0
10278	07/07/97	-	07/12/97	-	0
10210A	07/10/97	-	07/17/97	-	0
10210B	07/01/97	-	07/06/97	-	0
10210C	07/01/97	-	07/06/97	-	0
10225A	05/12/97	-	05/17/97	-	0
10225B	05/12/97	-	05/17/97	-	0
10225C	06/30/97	-	07/05/97	-	0



TABLE 3  
 HOLDING TIME SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID	Collection Date	Extraction Date	Analysis Date	Holding Time Exceedance (Days)	
				to Extraction	to Analysis
<i>Semi-Volatiles</i>					
3151	06/10/97	06/13/97	06/19/97	0	0
3257	06/09/97	06/12/97	07/01/97	0	0
5222	07/07/97	07/09/97	08/15/97	0	0
6209	06/25/97	06/27/97	07/08/97	0	0
7120	05/13/97	05/15/97	06/12/97	0	0
7130	05/20/97	05/22/97	06/13/97	0	0
7130 Dup.	05/20/97	05/23/97	06/13/97	0	0
7132	06/09/97	06/11/97	06/19/97	0	0
7155	06/09/97	06/12/97	07/01/97	0	0
7161	06/09/97	06/12/97	07/01/97	0	0
7205	05/14/97	05/18/97	06/13/97	0	0
8106	05/13/97	05/15/97	06/12/97	0	0
8110	06/10/97	06/13/97	06/19/97	0	0
8120	06/10/97	06/13/97	06/19/97	0	0
8130	06/12/97	06/23/97	07/01/97	0	0
8135	07/07/97	07/09/97	08/15/97	0	0
8140	06/12/97	06/16/97	06/20/97	0	0
8210	06/10/97	06/13/97	06/20/97	0	0
9110	06/12/97	06/16/97	06/20/97	0	0
9115	06/12/97	06/16/97	06/20/97	0	0
9118	06/13/97	06/17/97	07/01/97	0	0
9120	06/13/97	06/17/97	07/01/97	0	0
9120 Dup.	06/13/97	06/17/97	07/01/97	0	0
9125	06/13/97	06/17/97	07/01/97	0	0
9140	07/02/97	07/08/97	07/25/97	0	0
9205	05/13/97	05/15/97	06/12/97	0	0
9205 Dup.	05/13/97	05/15/97	06/12/97	0	0
9210	07/09/97	07/15/97	08/15/97	0	0
10113	07/02/97	07/08/97	07/25/97	0	0
10135	07/07/97	07/09/97	08/15/97	0	0
10135 Dup.	07/07/97	07/09/97	08/15/97	0	0
10147	05/12/97	05/14/97	06/12/97	0	0
10174	06/25/97	06/27/97	07/08/97	0	0
10205	07/02/97	07/08/97	07/25/97	0	0
10215	05/14/97	05/18/97	06/12/97	0	0
10270	05/13/97	05/15/97	06/12/97	0	0
10272	06/25/97	06/27/97	07/08/97	0	0
10278	07/07/97	07/09/97	08/15/97	0	0
10210A	07/10/97	07/15/97	08/15/97	0	0
10210B	07/01/97	07/08/97	07/28/97	0	0
10210C	07/01/97	07/08/97	07/25/97	0	0
10225A	05/12/97	05/14/97	06/12/97	0	0
10225B	05/12/97	05/14/97	06/12/97	0	0
10225C	06/30/97	07/02/97	07/25/97	0	0

TABLE 3  
 HOLDING TIME SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID	Collection Date	Extraction Date	Analysis Date	Holding Time Exceedance (Days)	
				to Extraction	to Analysis
<i>Pesticides/PCBs</i>					
3151	06/10/97	06/16/97	06/26/97	0	0
3257	06/09/97	06/11/97	06/13/97	0	0
5222	07/07/97	07/10/97	07/29/97	0	0
6209	06/25/97	06/29/97	07/04/97	0	0
7120	05/13/97	05/15/97	05/16/97	0	0
7130	05/20/97	05/23/97	05/24/97	0	0
7130 Dup.	05/20/97	05/23/97	05/24/97	0	0
7132	06/09/97	06/11/97	06/13/97	0	0
7155	06/09/97	06/11/97	06/13/97	0	0
7161	06/09/97	06/11/97	06/13/97	0	0
7205	05/14/97	05/15/97	05/23/97	0	0
8106	05/13/97	05/15/97	05/23/97	0	0
8110	06/10/97	06/16/97	06/25/97	0	0
8120	06/10/97	06/16/97	06/25/97	0	0
8130	06/12/97	06/16/97	06/25/97	0	0
8135	07/07/97	07/10/97	07/29/97	0	0
8140	06/12/97	06/16/97	06/26/97	0	0
8210	06/10/97	06/16/97	06/26/97	0	0
9110	06/12/97	06/16/97	06/26/97	0	0
9115	06/12/97	06/16/97	06/26/97	0	0
9118	06/13/97	06/16/97	06/26/97	0	0
9120	06/13/97	06/16/97	06/26/97	0	0
9120 Dup.	06/13/97	06/16/97	06/26/97	0	0
9125	06/13/97	06/16/97	06/26/97	0	0
9140	07/02/97	07/08/97	07/21/97	0	0
9205	05/13/97	05/15/97	05/16/97	0	0
9205 Dup.	05/13/97	05/15/97	05/23/97	0	0
9210	07/09/97	07/11/97	07/31/97	0	0
10113	07/02/97	07/08/97	07/21/97	0	0
10135	07/07/97	07/10/97	07/31/97	0	0
10135 Dup.	07/07/97	07/10/97	07/31/97	0	0
10147	05/12/97	05/15/97	05/16/97	0	0
10174	06/25/97	06/29/97	07/04/97	0	0
10205	07/02/97	07/08/97	07/21/97	0	0
10215	05/14/97	05/15/97	05/23/97	0	0
10270	05/13/97	05/15/97	05/23/97	0	0
10272	06/25/97	06/29/97	07/04/97	0	0
10278	07/07/97	07/10/97	07/30/97	0	0
10210A	07/10/97	07/11/97	07/31/97	0	0
10210B	07/01/97	07/08/97	07/21/97	0	0
10210C	07/01/97	07/08/97	07/21/97	0	0
10225A	05/12/97	05/15/97	05/23/97	0	0
10225B	05/12/97	05/15/97	05/23/97	0	0
10225C	06/30/97	07/03/97	07/08/97	0	0

## Notes:

Dup Field Duplicate.

PCBs Polychlorinated Biphenyls.

TABLE 4  
 SURROGATE SPIKE RECOVERIES (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

<i>Surrogates: Control Limits:</i>	TOL (88-110)	BFB (86-115)	DCE (76-114)
<i>Volatiles</i>			
3151	101	99	95
3257	97	96	94
5222	110	107	109
6209	106	108	107
7120	102	105	97
7130	105	103	97
7130 Dup	108	105	97
7132	98	97	96
7155	100	99	94
7161	96	94	94
7205	106	107	99
8106	106	104	97
8110	100	101	94
8120	99	98	93
8130	106	104	94
8135	106	100	102
8140	104	102	92
8210	103	102	96
9110	105	114	93
9115	106	106	93
9118	104	104	94
9120	104	104	94
9120 Dup	105	112	95
9125	108	109	97
9140	102	97	94
9205	105	106	98
9205 Dup	108	105	97
9210	102	100	97
10113	98	96	96
10135	110	108	114
10135 Dup	108	108	109
10147	101	103	97
10174	97	103	100
10205	107	100	109
10270	101	104	94
10272	106	110	102
10278	104	100	106
12002	108	110	102
10210A	105	100	102
10210B	102	97	98
10210C	99	94	100
10225A	103	106	101
10225B	105	106	100
10225C	99	102	97

TABLE 4  
 SURROGATE SPIKE RECOVERIES (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

<i>Surrogates:</i>	<i>NBZ</i>	<i>FBP</i>	<i>TPH</i>	<i>PHL</i>	<i>2FP</i>	<i>TBP</i>	<i>2CP</i>	<i>DCB</i>
<i>Control Limits:</i>	(35-114)	(43-116)	(33-141)	(10-110)	(21-110)	(10-123)	(33-110)	(16-110)
<i>Semi-Volatiles</i>								
3151	55	56	66	51	40	59	49	54
3257	75	77	77	64	59	73	68	74
5222	66	68	82	55	50	81	57	62
6209	72	69	82	52	42	77	54	64
7120	85	85	80	72	61	84	72	90
7130	73	73	70	58	52	63	61	74
7130 Dup	74	72	57	53	53	71	61	78
7132	83	77	86	68	57	86	68	80
7155	74	81	54	55	51	65	63	74
7161	69	77	38	54	51	65	63	71
7205	69	68	65	56	50	63	59	70
8106	88	87	58	77	65	91	77	94
8110	53	53	75	52	40	71	47	48
8120	76	74	65	62	52	79	64	77
8130	62	68	76	56	48	72	60	62
8135	70	79	74	58	50	87	62	70
8140	72	68	77	63	56	78	62	72
8210	84	90	102	78	67	84	80	84
9110	76	72	57	64	57	84	64	75
9115	74	69	58	64	57	82	63	72
9118	78	84	78	64	59	79	69	75
9120	68	71	69	57	51	62	62	68
9120 Dup	72	78	58	60	54	70	64	70
9125	65	74	65	55	52	72	60	65
9140	83	87	49	68	60	70	69	79
9205	70	70	83	63	52	75	62	76
9205 Dup	73	77	94	60	55	81	62	73
9210	66	69	66	54	48	82	54	60
10113	93	90	79	68	59	68	70	84
10135	D	D	D	D	D	D	D	D
10135 Dup	D	D	D	D	D	D	D	D
10147	73	74	68	65	55	80	65	79
10174	70	69	53	48	40	80	53	64
10205	81	83	88	65	55	82	68	75
10215	73	74	48	62	55	66	63	74
10270	76	76	81	66	59	90	68	82
10272	67	71	46	51	46	81	53	62
10278	68	74	82	58	52	81	57	67
10210A	67	70	55	58	52	80	57	64
10210B	70	72	96	61	51	94	59	68
10210C	88	93	68	72	65	86	75	82
10225A	66	67	77	63	51	83	59	71
10225B	66	68	81	60	50	77	60	72
10225C	91	93	91	71	61	95	73	78

TABLE 4  
 SURROGATE SPIKE RECOVERIES (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

<i>Surrogates: Control Limits:</i>	<i>TCX1 (30-150)</i>	<i>TCX2 (30-150)</i>	<i>DCBP1 (30-150)</i>	<i>DCBP2 (30-150)</i>
<i>Pesticides/PCBs</i>				
3151	109	96	78	116
3257	109	97	113	116
5222	143	74	74	67
6209	100	141	100	122
7120	78	85	56	70
7130	88	77	123	91
7130 Dup	86	76	100	74
7132	103	116	88	134
7155	82	118	58	87
7161	107	127	38	58
7205	108	82	112	88
8106	150	79	57	62
8110	105	92	51	70
8120	122	116	65	85
8130	100	110	58	88
8135	66	52	70	44
8140	130	125	86	122
8210	121	151*	98	178*
9110	122	114	48	64
9115	99	110	59	85
9118	121	123	72	106
9120	124	118	53	66
9120 Dup	135	116	55	54
9125	108	102	49	59
9140	65	98	58	71
9205	75	67	73	76
9205 Dup	99	84	116	97
9210	118	81	112	100
10113	64	90	68	85
10135	D	D	D	D
10135 Dup	D	D	D	D
10147	84	67	66	63
10174	102	125	55	59
10205	66	103	84	104
10215	154*	74	97	80
10270	102	96	115	127
10272	119	137	111	155*
10278	144	54	48	48
10210A	113	94	61	45
10210B	71	104	80	101
10210C	59	98	54	68
10225A	99	91	113	151*
10225B	104	93	113	100
10225C	74	103	61	97

## 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.  
 PCBs Polychlorinated Biphenyls.

## Key:

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

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Blank ID:	VBLKDX	VBLKDY	VBLKDZ	VBLKD8	VBLKD9	VBLKDQ	VBLKDT	VBLKDV	VBLKDZ
Analysis Date:	05/14/97	05/17/97	05/19/97	05/25/97	05/24/97	06/11/97	06/13/97	06/16/97	06/20/97
Volatiles	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	1j	ND 10	ND 10	ND 10	1j	ND 10	2j	ND 10
Acetone	µg/L	ND 10	ND 10	7j	11	2j	ND 10	10	8j
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 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Blank ID: Extraction Date:	SBLKWI 05/14/97	SBLKAI 05/15/97	SBLKIJ 05/18/97	SBLKIJ 05/22/97	SBLKYJ 05/23/97	SBLKCJ 06/11/97	SBLKEI 06/12/97	SBLKCKJ 06/13/97	SBLKSI 06/16/97
<i>Semi-Volatiles</i>									
Phenol	ND 10	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
Benzyl alcohol	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
2,2'-oxybis(1-Chloropropane)	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
Hexachloroethane	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
Benzolic acid	µg/L	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50
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 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
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 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
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 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
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 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4-Nitrophenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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	0.2j	0.2j	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
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 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVECANAL  
 MAY - JULY 1997

	Blank ID: Extraction Date:	SBLKWJ 05/14/97	SBLKAJ 05/15/97	SBLKIJ 05/18/97	SBLKIJ 05/22/97	SBLKYJ 05/23/97	SBLKCI 06/11/97	SBLKEI 06/12/97	SBLKKJ 06/13/97	SBLKSI 06/16/97
<i>Semi-Volatiles (Cont'd.)</i>										
n-Nitrosodiphenylamine	µg/L	ND 10	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	ND 10
Hexachlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Phenanthrene	µg/L	ND 10	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	ND 10
Di-n-butylphthalate	µg/L	0.5J	0.5J	0.2J	0.4J	0.2J	0.4J	0.7J	0.3J	0.9J
Fluoranthene	µg/L	ND 10	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	ND 10
Butylbenzylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	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	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 10	0.3J	0.2J	0.4J	ND 10	ND 10	ND 10	0.5J	0.6J
Di-n-octylphthalate	µg/L	ND 10	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	ND 10
Benzo(k)fluoranthene	µg/L	ND 10	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	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	ND 10
Dibenz(a,h)anthracene	µg/L	ND 10	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	ND 10



TABLE 5

METHOD BLANK SUMMARY  
LONG-TERM MONITORING PROGRAM  
GLENN SPRINGS HOLDINGS, INC  
NIAGARA FALLS, NEW YORK  
LOVE CANAL  
MAY - JULY 1997

Pesticides/PCBs	Extraction Date:	Units:	05/15/97	05/23/97	06/11/97	06/16/97	06/16/97	06/29/97	07/03/97
			$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Blank ID: Analyte	Blank Date:	VBLKEG 06/28/97	VBLKEI 06/29/97	VBLKER 07/09/97	VBLKEU 07/09/97	VBLKEZ 07/09/97	VBLKDT 07/12/97	VBLKDY 07/15/97	VBLKDX 07/16/97	VBLKDY 07/17/97
Volatiles										
Chloromethane	µg/L	ND 10	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	ND 10
Vinyl chloride	µg/L	ND 10	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	ND 10
Methylene chloride	µg/L	11								19
Acetone	µg/L	91	13			71				
Carbon disulfide	µg/L	ND 10	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	ND 10
1,1-Dichloroethene	µg/L	ND 10	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	ND 10
1,2-Dichloroethene (total)	µg/L	ND 10	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	ND 10
1,2-Dichloroethane	µg/L	ND 10	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	ND 10
1,1,1-Trichloroethane	µg/L	ND 10	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	ND 10
Bromodichloromethane	µg/L	ND 10	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	ND 10
cis-1,3-Dichloropropene	µg/L	ND 10	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	ND 10
Dibromochloromethane	µg/L	ND 10	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	ND 10
Benzene	µg/L	ND 10	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	ND 10
Bromoform	µg/L	ND 10	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	ND 10
2-Hexanone	µg/L	ND 10	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	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	ND 10
Toluene	µg/L	ND 10	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	ND 10
Ethylbenzene	µg/L	ND 10	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	ND 10
Xylene (total)	µg/L	ND 10	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	ND 10

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVECANAL  
 MAY - JULY 1997

	Blank ID: Extraction Date:	SBLKWI 06/17/97	SBLKKI 06/23/97	SBLKEJ 06/27/97	SBLKII 07/02/97	SBLKAI 07/08/97	SBLKII 07/09/97	SBLKGI 07/15/97
<i>Semi-Volatiles</i>								
Phenol	µg/L	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
2-Chlorophenol	µg/L	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
1,4-Dichlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzyl alcohol	µg/L	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
2-Methylphenol	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	µg/L	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
n-Nitroso-di-n-propylamine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachloroethane	µg/L	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
Isophorone	µg/L	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
2,4-Dimethylphenol	µg/L	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	2J	0.6J	ND 10
bis(2-Chloroethoxy)methane	µg/L	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
1,2,4-Trichlorobenzene	µg/L	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
4-Chloroaniline	µg/L	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
4-Chloro-3-methylphenol	µg/L	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
Hexachlorocyclopentadiene	µg/L	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
2,4,5-Trichlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
2-Chloronaphthalene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Dimethylphthalate	µg/L	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
2,6-Dinitrotoluene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Acenaphthene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
2,4-Dinitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4-Nitrophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Dibenzofuran	µg/L	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
Diethylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
4-Chlorophenyl-phenylether	µg/L	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
4-Nitroaniline	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVECANAL  
 MAY - JULY 1997

	Blank ID: Extraction Date:	SBLKWI 06/17/97	SBLKKI 06/23/97	SBLKEJ 06/27/97	SBLKII 07/02/97	SBLKAI 07/08/97	SBLKII 07/09/97	SBLKGI 07/15/97
<i>Semi-Volatiles (Cont'd.)</i>								
n-Nitrosodiphenylamine	µg/L	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
Hexachlorobenzene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Pentachlorophenol	µg/L	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25
Phenanthrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	NF 10
Anthracene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Di-n-butylphthalate	µg/L	ND 10	ND 10	0.3j	1j	0.8j	0.3j	0.5j
Fluoranthene	µg/L	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
Butylbenzylphthalate	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	NF 10
Chrysene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	ND 10	ND 10	4j	2j	1j	3j	0.6j
Di-n-octylphthalate	µg/L	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
Benzo(k)fluoranthene	µg/L	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
Indeno(1,2,3-cd)pyrene	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	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

TABLE 5

METHOD BLANK SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Pesticides/PCBs	Extraction Date:				Units:
	07/08/97	07/08/97	07/10/97	07/10/97	
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Heptachlor epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Endosulfan I	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
Endosulfan II	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
4,4'-DDD	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
Endosulfan sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	µg/L
Endrin ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
alpha-Chlordane	ND 0.10	ND 0.10	ND 0.10	ND 0.10	µg/L
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Toxaphene	ND 0.05	ND 0.05	ND 0.05	ND 0.05	µg/L
Aroclor-1016	ND 5.0	ND 5.0	ND 5.0	ND 5.0	µg/L
Aroclor-1221	ND 1.0	ND 1.0	ND 1.0	ND 1.0	µg/L
Aroclor-1232	ND 2.0	ND 2.0	ND 2.0	ND 2.0	µg/L
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	µg/L
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	µg/L
Aroclor-1254	ND 1.0	ND 1.0	ND 1.0	ND 1.0	µg/L
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	µg/L

Notes:  
 J Estimated.  
 NDx Not detected at or above x.  
 PCBs Polychlorinated Biphenyls.  
 R Rejected.

TABLE 6

BLANK SPIKE RECOVERY SUMMARY (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Parameter	Recovery Control Limits	Analysis Date:					Extraction Date:				
		05/17/97	05/25/97	06/13/97	06/28/97	07/05/97	07/15/97	07/02/97	07/09/97	07/09/97	
		BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
<b>Volatiles</b>											
1,1-Dichloroethene	61-145	110	104	102	106	112	116				
Trichloroethene	71-120	92	92	90	92	94	98				
Benzene	76-127	98	100	96	88	92	96				
Toluene	76-125	100	100	96	90	92	104				
Chlorobenzene	75-130	100	102	98	90	92	106				
<b>Semi-Volatiles</b>											
Phenol	12-110	56	53	56	74	72	65				
2-Chlorophenol	27-123	60	59	61	76	59	64				
1,4-Dichlorobenzene	36-97	68	66	66	70	4*	80				
n-Nitroso-di-n-propylamine	41-116	78	72	88	72	102	88				
1,2,4-Trichlorobenzene	39-98	72	74	74	80	72	86				
4-Chloro-3-methylphenol	23-97	63	64	68	84	99*	69				
Acenaphthene	46-118	70	70	72	76	106	74				
4-Nitrophenol	10-80	77	75	88*	98*	133*	95*				
2,4-Dinitrotoluene	24-96	88	80	92	88	132*	92				
Pentachlorophenol	9-103	68	53	85	140*	160*	101				
Pyrene	26-127	62	72	82	84	126	86				

TABLE 6  
 BLANK SPIKE RECOVERY SUMMARY (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Parameter	Recovery Control Limits	Extraction Date:					
		05/15/97	05/23/97	06/11/97	06/29/97	07/03/97	07/10/97
		BS	BS	BS	BS	BS	BS
<b>Pesticides</b>							
gamma-BHC (Lindane)	56-123	74	86	72	44	28*	22*
Heptachlor	40-131	74	90	84	122	90	74
Aldrin	40-120	68	82	82	110	72	78
Dieldrin	52-126	80	92	83	110	69	71
Endrin	56-121	81	97	91	120	68	78
4,4'-DDT	38-127	75	90	85	75	50	53

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

TABLE 7

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY SUMMARY (PERCENT)  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Parameter	Recovery Control Limits	RPD Control Limits	5222		6209		7130		7132		10225B		10225C				
			MS	RPD	MS	RPD	MS	RPD	MS	RPD	MS	RPD	MS	RPD			
<b>Volatiles</b>																	
1,1-Dichloroethene	61-145	14	106	116	94	106	12	106	106	108	100	80	74	8	102	106	4
Trichloroethene	71-120	14	92	92	86	90	4	92	96	92	90	88	88	0	90	90	0
Benzene	76-127	11	92	94	82	88	7	100	104	98	96	92	94	2	90	90	0
Toluene	76-125	13	102	106	86	90	4	104	108	100	96	96	96	0	87	87	0
Chlorobenzene	75-130	13	104	108	88	90	2	106	108	102	98	96	98	2	92	92	0
<b>Semi-Volatiles</b>																	
Phenol	12-110	42	49	52	59	59	0	59	57	63	63	52	49	6	59	67	13
2-Chlorophenol	27-123	40	52	55	60	63	5	65	63	67	64	56	53	6	60	68	12
1,4-Dichlorobenzene	36-97	28	58	62	70	70	0	78	76	78	74	62	58	7	71	81	13
n-Nitroso-di-n-propylamine	41-116	38	70	76	90	86	4	86	84	102	98	74	68	8	78	96	21
1,2,4-Trichlorobenzene	39-98	28	70	78	80	76	5	88	84	86	88	70	66	6	76	86	12
4-Chloro-3-methylphenol	23-97	42	56	63	68	61	11	72	73	75	79	64	59	8	68	77	12
Acenaphthene	46-118	31	60	66	73	73	0	80	76	82	78	66	62	6	72	78	8
4-Nitrophenol	10-80	50	61	69	99*	95*	4	88*	85*	100*	91*	77	76	1	88*	99*	12
2,4-Dinitrotoluene	24-96	38	74	84	92	90	2	94	90	104*	98*	84	78	7	86	96	11
Pentachlorophenol	9-103	50	71	68	115*	115*	0	76	72	97	97	75	71	6	85	89	5
Pyrene	26-127	31	62	66	85	81	5	78	76	86	84	82	80	2	76	86	12
<b>Pesticides</b>																	
gamma-BHC (Lindane)	56-123	15	20*	22*	36*	30*	18*	78	82	66	74	96	86	11	36*	37*	3
Heptachlor	40-131	20	58	64	112	96	15	82	86	96	96	90	86	4	81	90	10
Aldrin	40-120	22	80	92	102	92	10	76	80	98	98	98	88	11	83	92	10
Dieldrin	52-126	18	82	84	100	76	27*	81	85	74	79	100	92	8	84	87	4
Endrin	56-121	21	74	80	100	87	14	87	90	87	89	110	96	14	93	99	6
4,4'-DDT	38-127	27	44	49	65	64	2	79	84	87	88	100	93	7	48	52	8

Notes:  
 \* Value is outside of quality control limits.

MS Matrix Spike.

MSD Matrix Spike Duplicate.

RPD Relative Percent Difference.



TABLE 8

FIELD DUPLICATE RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	7130		9120		9205		10135	
	Original	Duplicate	Original	Duplicate	Original	Duplicate	Original	Duplicate
<i>Volatiles</i>								
Chloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Bromomethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Vinyl chloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Chloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Methylene chloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Acetone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Carbon disulfide	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Vinyl acetate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,1-Dichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,1-Dichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,2-Dichloroethene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Chloroform	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,2-Dichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
2-Butanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,1,1-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Carbon tetrachloride	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Bromodichloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,2-Dichloropropane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
cis-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Trichloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Dibromochloromethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,1,2-Trichloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Benzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
trans-1,3-Dichloropropene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	5600	5000
Bromoform	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
4-Methyl-2-pentanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
2-Hexanone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Tetrachloroethene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
1,1,2,2-Tetrachloroethane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Toluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	19000	17000
Chlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2300	ND 2500
Ethylbenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Styrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
Xylene (total)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 1000	ND 2500
2-Chloroethylvinylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	R	R

TABLE 8  
FIELD DUPLICATE RESULTS SUMMARY  
LONG-TERM MONITORING PROGRAM  
GLENN SPRINGS HOLDINGS, INC.  
NIAGARA FALLS, NEW YORK  
LOVE CANAL  
MAY - JULY 1997

Location ID:	7130		9120		9205		10135	
	Original	Duplicate	Original	Duplicate	Original	Duplicate	Original	Duplicate
<i>Semi-Volatiles</i>								
Phenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
bis(2-Chloroethyl)ether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2-Chlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
1,3-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
1,4-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Phenyl alcohol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	1900	1600
1,2-Dichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,2'-oxybis(1-Chloropropane)	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
n-Nitroso-di-n-propylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Nitrobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Isophorone	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2-Nitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,4-Dimethylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzoic acid	ND 50	ND 50	ND 50	ND 50	ND 50	ND 50	300000]	270000]
bis(2-Chloroethoxy)methane	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,4-Dichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2100	2100
1,2,4-Trichlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Naphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Chloroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Hexachlorobutadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Chloro-3-methylphenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2-Methylnaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Hexachlorocyclopentadiene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,4,6-Trichlorophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,4,5-Trichlorophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 2000	ND 1000
2-Chloronaphthalene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2-Nitroaniline	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 2000	ND 1000
Dimethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Acenaphthylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,6-Dinitrotoluene	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 2000	ND 1000
3-Nitroaniline	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Acenaphthene	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 2000	ND 1000
2,4-Dinitrophenol	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Nitrophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 26	ND 2000	ND 1000
Dibenzofuran	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
2,4-Dinitrotoluene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Diethylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Chlorophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400

TABLE 8

FIELD DUPLICATE RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	7130		9120		9205		10135	
	Original	Duplicate	Original	Duplicate	Original	Duplicate	Original	Duplicate
<i>Semi-Volatiles (Cont'd.)</i>								
Fluorene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Nitroaniline	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 2000	ND 1000
4,6-Dinitro-2-methylphenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 2000	ND 1000
n-Nitroso-di-n-phenylamine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
4-Bromophenyl-phenylether	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Hexachlorobenzene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Pentachlorophenol	ND 25	ND 25	ND 25	ND 25	ND 25	ND 25	ND 2000	ND 1000
Phenanthrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Di-n-butylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Butylbenzylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
3,3'-Dichlorobenzidine	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzo(a)anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Chrysene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
bis(2-Ethylhexyl)phthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Di-n-octylphthalate	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzo(b)fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzo(k)fluoranthene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzo(a)pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Indeno(1,2,3-cd)pyrene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Dibenz(a,h)anthracene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
Benzo(g,h,i)perylene	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 800	ND 400
<i>Pesticides/PCBs</i>								
alpha-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	39	39
beta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	8.1	8.6
delta-BHC	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	5.1
gamma-BHC (Lindane)	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	5.1	6.2
Heptachlor	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
Aldrin	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
Heptachlor epoxide	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
Endosulfan I	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
Dieldrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
4,4'-DDE	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
Endrin	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
Endosulfan II	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
4,4'-DDD	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10

TABLE 8

FIELD DUPLICATE RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Location ID:	7130		9120		9205		10135	
	Original	Duplicate	Original	Duplicate	Original	Duplicate	Original	Duplicate
<i>Pesticides/PCBs (Cont'd.)</i>								
Endosulfan sulfate	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
4,4'-DDT	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
Methoxychlor	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 50	ND 50
Endrin ketone	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 10	ND 10
alpha-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
gamma-Chlordane	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 5.0	ND 5.0
Toxaphene	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 500	ND 500
Aroclor-1016	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100
Aroclor-1221	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 200	ND 200
Aroclor-1232	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100
Aroclor-1242	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100
Aroclor-1248	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100
Aroclor-1254	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100
Aroclor-1260	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 100	ND 100

- Notes:
- \* RPD could not be calculated due to one or more non-detect results.
  - J Estimated.
  - NDx Not detected at or above x.
  - PCBs Polychlorinated Biphenyls.
  - R Data rejected.
  - RPD Relative Percent Difference

TABLE 9  
 FIELD BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	<i>Blank I.D.:</i>	RB 051297	DI BLANK
	<i>Collection Date:</i>	05/12/97	05/12/97
	<i>Units:</i>		
<i>Volatiles</i>			
Chloromethane	µg/L	ND 10	ND 10
Bromomethane	µg/L	ND 10	ND 10
Vinyl chloride	µg/L	ND 10	ND 10
Chloroethane	µg/L	ND 10	ND 10
Methylene chloride	µg/L	ND 10	0.8J
Acetone	µg/L	8J	10
Carbon disulfide	µg/L	1J	ND 10
Vinyl acetate	µg/L	ND 10	ND 10
1,1-Dichloroethene	µg/L	ND 10	ND 10
1,1-Dichloroethane	µg/L	ND 10	ND 10
1,2-Dichloroethene (total)	µg/L	ND 10	ND 10
Chloroform	µg/L	ND 10	ND 10
1,2-Dichloroethane	µg/L	ND 10	ND 10
2-Butanone	µg/L	ND 10	ND 10
1,1,1-Trichloroethane	µg/L	ND 10	ND 10
Carbon tetrachloride	µg/L	ND 10	ND 10
Bromodichloromethane	µg/L	ND 10	ND 10
1,2-Dichloropropane	µg/L	ND 10	ND 10
cis-1,3-Dichloropropene	µg/L	ND 10	ND 10
Trichloroethene	µg/L	ND 10	ND 10
Dibromochloromethane	µg/L	ND 10	ND 10
1,1,2-Trichloroethane	µg/L	ND 10	ND 10
Benzene	µg/L	ND 10	ND 10
trans-1,3-Dichloropropene	µg/L	ND 10	ND 10
Bromoform	µg/L	ND 10	ND 10
4-Methyl-2-pentanone	µg/L	ND 10	ND 10
2-Hexanone	µg/L	ND 10	ND 10
Tetrachloroethene	µg/L	ND 10	ND 10
1,1,2,2-Tetrachloroethane	µg/L	ND 10	ND 10
Toluene	µg/L	ND 10	ND 10
Chlorobenzene	µg/L	ND 10	ND 10
Ethylbenzene	µg/L	ND 10	ND 10
Styrene	µg/L	ND 10	ND 10
Xylene (total)	µg/L	ND 10	ND 10
2-Chloroethylvinylether	µg/L	ND 10	ND 10

TABLE 9  
 FIELD BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	<i>Blank I.D.:</i>	RB 051297	DI BLANK
	<i>Collection Date:</i>	05/12/97	05/12/97
	<i>Units:</i>		
<i>Semi-Volatiles</i>			
Phenol	µg/L	ND 10	ND 10
bis(2-Chloroethyl)ether	µg/L	ND 10	ND 10
2-Chlorophenol	µg/L	ND 10	ND 10
1,3-Dichlorobenzene	µg/L	ND 10	ND 10
1,4-Dichlorobenzene	µg/L	ND 10	ND 10
Benzyl alcohol	µg/L	ND 10	ND 10
1,2-Dichlorobenzene	µg/L	ND 10	ND 10
2-Methylphenol	µg/L	ND 10	ND 10
2,2'-oxybis(1-Chloropropane)	µg/L	ND 10	ND 10
4-Methylphenol	µg/L	ND 10	ND 10
n-Nitroso-di-n-propylamine	µg/L	ND 10	ND 10
Hexachloroethane	µg/L	ND 10	ND 10
Nitrobenzene	µg/L	ND 10	ND 10
Isophorone	µg/L	ND 10	ND 10
2-Nitrophenol	µg/L	ND 10	ND 10
2,4-Dimethylphenol	µg/L	ND 10	ND 10
Benzoic acid	µg/L	2J	ND 50
bis(2-Chloroethoxy)methane	µg/L	ND 10	ND 10
2,4-Dichlorophenol	µg/L	ND 10	ND 10
1,2,4-Trichlorobenzene	µg/L	ND 10	ND 10
Naphthalene	µg/L	ND 10	ND 10
4-Chloroaniline	µg/L	ND 10	ND 10
Hexachlorobutadiene	µg/L	ND 10	ND 10
4-Chloro-3-methylphenol	µg/L	ND 10	ND 10
2-Methylnaphthalene	µg/L	ND 10	ND 10
Hexachlorocyclopentadiene	µg/L	ND 10	ND 10
2,4,6-Trichlorophenol	µg/L	ND 10	ND 10
2,4,5-Trichlorophenol	µg/L	ND 25	ND 25
2-Chloronaphthalene	µg/L	ND 10	ND 10
2-Nitroaniline	µg/L	ND 25	ND 25
Dimethylphthalate	µg/L	ND 10	ND 10
Acenaphthylene	µg/L	ND 10	ND 10
2,6-Dinitrotoluene	µg/L	ND 10	ND 10
3-Nitroaniline	µg/L	ND 25	ND 25
Acenaphthene	µg/L	ND 10	ND 10
2,4-Dinitrophenol	µg/L	ND 25	ND 25
4-Nitrophenol	µg/L	ND 25	ND 25
Dibenzofuran	µg/L	ND 10	ND 10
2,4-Dinitrotoluene	µg/L	ND 10	ND 10
Diethylphthalate	µg/L	0.6J	0.2J
4-Chlorophenyl-phenylether	µg/L	ND 10	ND 10
Fluorene	µg/L	ND 10	ND 10

TABLE 9  
 FIELD BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	<i>Blank I.D.:</i>	RB 051297	DI BLANK
	<i>Collection Date:</i>	05/12/97	05/12/97
	<i>Units:</i>		
<i>Semi-Volatiles (Cont'd.)</i>			
4-Nitroaniline	µg/L	ND 25	ND 25
4,6-Dinitro-2-methylphenol	µg/L	ND 25	ND 25
n-Nitrosodiphenylamine	µg/L	ND 10	ND 10
4-Bromophenyl-phenylether	µg/L	ND 10	ND 10
Hexachlorobenzene	µg/L	ND 10	ND 10
Pentachlorophenol	µg/L	ND 25	ND 25
Phenanthrene	µg/L	ND 10	ND 10
Anthracene	µg/L	ND 10	ND 10
Di-n-butylphthalate	µg/L	1J	0.8J
Fluoranthene	µg/L	ND 10	ND 10
Pyrene	µg/L	ND 10	ND 10
Butylbenzylphthalate	µg/L	ND 10	ND 10
3,3'-Dichlorobenzidine	µg/L	ND 10	ND 10
Benzo(a)anthracene	µg/L	ND 10	ND 10
Chrysene	µg/L	ND 10	ND 10
bis(2-Ethylhexyl)phthalate	µg/L	2J	ND 10
Di-n-octylphthalate	µg/L	ND 10	ND 10
Benzo(b)fluoranthene	µg/L	ND 10	ND 10
Benzo(k)fluoranthene	µg/L	ND 10	ND 10
Benzo(a)pyrene	µg/L	ND 10	ND 10
Indeno(1,2,3-cd)pyrene	µg/L	ND 10	ND 10
Dibenz(a,h)anthracene	µg/L	ND 10	ND 10
Benzo(g,h,i)perylene	µg/L	ND 10	ND 10
<i>Pesticides/PCBs</i>			
alpha-BHC	µg/L	ND 0.05	ND 0.05
beta-BHC	µg/L	ND 0.05	ND 0.05
delta-BHC	µg/L	ND 0.05	ND 0.05
gamma-BHC (Lindane)	µg/L	ND 0.05	ND 0.05
Heptachlor	µg/L	0.0029J	ND 0.05
Aldrin	µg/L	ND 0.05	ND 0.05
Heptachlor epoxide	µg/L	ND 0.05	ND 0.05
Endosulfan I	µg/L	ND 0.05	ND 0.05
Dieldrin	µg/L	ND 0.10	ND 0.10
4,4'-DDE	µg/L	ND 0.10	ND 0.10
Endrin	µg/L	ND 0.10	ND 0.10
Endosulfan II	µg/L	ND 0.10	ND 0.10
4,4'-DDD	µg/L	ND 0.10	ND 0.10
Endosulfan sulfate	µg/L	ND 0.10	ND 0.10
4,4'-DDT	µg/L	ND 0.10	ND 0.10
Methoxychlor	µg/L	ND 0.53	ND 0.50

TABLE 9  
 FIELD BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	<i>Blank I.D.:</i>	RB 051297	DI BLANK
	<i>Collection Date:</i>	05/12/97	05/12/97
	<i>Units:</i>		
<i>Pesticides/PCBs (Cont'd.)</i>			
Endrin ketone	µg/L	ND 0.10	ND 0.10
alpha-Chlordane	µg/L	ND 0.05	ND 0.05
gamma-Chlordane	µg/L	ND 0.05	ND 0.05
Toxaphene	µg/L	ND 5.3	ND 5.0
Aroclor-1016	µg/L	ND 1.0	ND 1.0
Aroclor-1221	µg/L	ND 2.1	ND 2.0
Aroclor-1232	µg/L	ND 1.0	ND 1.0
Aroclor-1242	µg/L	ND 1.0	ND 1.0
Aroclor-1248	µg/L	ND 1.0	ND 1.0
Aroclor-1254	µg/L	ND 1.0	ND 1.0
Aroclor-1260	µg/L	ND 1.0	ND 1.0

## Notes:

J Estimated.  
 NDx Not detected at or above x.  
 PCBs Polychlorinated Biphenyls.



TABLE 10

TRIP BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Ink ID: B 051297 A	B 051297 B	TB 051397	TB 051497	TB 052097	TB 060997	TB 061097
	Collection Date: 05/12/97	05/12/97	05/13/97	05/14/97	05/20/97	06/09/97	06/10/97
	Units:						
<i>Volatiles</i>							
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	0.9j	1j	ND 10	3j	ND 10	ND 10	ND 10
Acetone	3j	4j	ND 10	5j	ND 10	3j	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	ND 10	ND 10	ND 10	ND 10
Xylene (total)	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

TABLE 10

TRIP BLANK RESULTS SUMMARY  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

	Blank ID: TB 061297	TB 061397	TB 062597	TB 063097	TB 070297	TB 070797	TB 071097
	Collection Date: 06/12/97	06/13/97	06/25/97	06/30/97	07/02/97	07/07/97	07/10/97
	Units:						
<i>Volatiles</i>							
Chloromethane	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
Vinyl chloride	µg/L	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
Methylene chloride	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Acetone	µg/L	2j	2j	2j	2j	2j	2j
Carbon disulfide	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichloroethene (total)	µg/L	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
1,2-Dichloroethane	µg/L	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
1,1,1-Trichloroethane	µg/L	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
Bromodichloromethane	µg/L	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
cis-1,3-Dichloropropene	µg/L	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
Dibromochloromethane	µg/L	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
Benzene	µg/L	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
Bromoform	µg/L	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
2-Hexanone	µg/L	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
1,1,2,2-Tetrachloroethane	µg/L	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
Chlorobenzene	µg/L	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
Styrene	µg/L	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
2-Chloroethylvinylether	µg/L	ND 10	ND 10	ND 10	ND 10	ND 10	R

Notes:  
 J Estimated.  
 NDx Not detected at or above x.  
 R Rejected.

ATTACHMENT 1  
TENTATIVELY IDENTIFIED COMPOUNDS

## ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
3151	None	-	Ethanol, 2-(2-methoxyethoxy) Unknown	4J 2J
3257	None	-	Ethanol, 2-(2-methoxyethoxy) Ethanol, 2-(2-ethoxyethoxy) Hexanoic acid, 2-ethyl- Ethanol, 2-phenoxy- Hexanoic acid Unknowns	12J 4J 3J 2J 2J 22J
5222	Boric acid, trimethyl ester	8J	Sulfur, mol. (S8) Unknown	370J 3J
6209	None	-	Drometrizole Unknowns	11J 8J
7120	None	-	None	-
7130	None	-	Unknown carboxylic acids Unknown	6J 2J
7130 dup	None	-	Unknowns	17J

## ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
7132	None	-	Unknown Unknown alcohol	3J 2J
7155	None	-	Hexanoic acid, 2-ethyl- Unknowns	4J 6J
7161	None	-	Hexanoic acid, 2-ethyl-	2J
7205	None	-	Sulfur, mol (S8)	180J
8106	None	-	Ethanol, 2-(2-butoxyethoxy)	2J
8110	None	-	Ethanol, 2-(2-methoxyethoxy) Unknown acids Ethanol, 2-phenoxy- Unknown butoxyethoxyethanol Unknowns	16J 12J 5J 4J 38J
8120	None	-	Ethanol, 2-(2-methoxyethoxy) Unknown	4J 4J
8130	None	-	None	-

## ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
LONG-TERM MONITORING PROGRAM

GLENN SPRINGS HOLDINGS, INC.

NIAGARA FALLS, NEW YORK

LOVE CANAL

MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
8135	Trichlorobenzene isomers	13J	Unknowns	230J
8140	None	-	None	-
8210	None	-	Sulfur, mol (S8)	500J
9110	None	-	None	-
9115	None	-	None	-
9118	None	-	None	-
9120	None	-	Ethanol, 2-(2-methoxyethoxy)	4J
9120 dup	None	-	None	-
9125	None	-	None	-
9140	None	-	Unknown amide Unknowns	3J 100J

## ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
9205	None	-	Sulfur, mol (S8) Ethanol, 2-(2-methoxyethoxy) Unknowns	1200J 3J 7J
9205 dup	None	-	Sulfur, mol(S8)	1600J
9210	Boric acid, trimethyl ester	5J	Sulfur Unknowns	1700J 6J
10113	None	-	Unknowns	80J
10135	1,3-Butadiene,1,1,2,3,4,4-hexachlor Benzene, chloromethyl- isomers	620J 16000J	Unknown C7H5ClO2 isomer Unknown C7H7Cl isomer	14000J 4600J
10135 dup	Benzene, chloromethyl- isomers	18000J	Unknown C7H7Cl isomer Unknown C7H5ClO2	10000J 10000J
10147	None	-	Unknown	2J
10174	None	-	Unknown	16J
10205	None	-	Sulfur, mol (S8) Unknown	1700J 3J

## ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
10210A	Dimethyl sulfide	34J	Sulfur	1600J
	Disulfide, dimethyl	6J	Trisulfide, dimethyl	69J
			Dimethyl tetrasulphide	33J
			Dimethyl sulfone	3J
			Phenol, 4,4'-(1-methylethyl) Unknowns	2J 5J
10210B	None	-	Sulfur, mol (S8)	1500J
			Unknown C8H18O3 isomer	2J
			Unknowns	36J
10210C	None	-	1H-Indole-2,3-dione	4J
			Hexanedioic acid, bis(2-ethyl Unknown acids	2J 12J
			Unknown C8H7NO isomer	8J
			Unknowns	68J
			None	-
10215	None	-	None	-



ATTACHMENT 1  
 TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

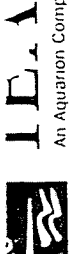
Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
10225A	Dimethyl Sulfide	360J	Sulfur, mol (S8)	930J
	Disulfide, dimethyl	70J	Dimethyl tetrasulphide	31J
	Methanethiol	64J	Trisulfide, dimethyl	7J
	Ethane, (methylthio-)	44J	Dimethyl sulfone	5J
	Unknown Alkane	13J	Hexanoic acid	4J
	Unknowns	29J	Unknown alkane	2J
			Unknowns	15J
10225B	Dimethyl Sulfide	11J	Sulfur, mol(S8)	960J
	Unknown	7J	Dimethyl tetrasulphide	4J
			Unknowns	4J
10225C	Unknown benzene isomer	5J	Sulfur, mol(S8)	890J
			Benzene, 1-chloro-2-methyl-	5J
			Hexanedioic acid, bis(2-ethyl)	2J
			Unknown, carboxylic acids	13J
			Unknown, acids	5J
			Unknown C7H7Cl isomer	2J
		Unknowns	100J	
10270	None	-	Sulfur, mol(S8)	820J
			Unknown carboxylic acids	13J
			Unknowns	7J

ATTACHMENT 1

TENTATIVELY IDENTIFIED COMPOUNDS  
 LONG-TERM MONITORING PROGRAM  
 GLENN SPRINGS HOLDINGS, INC.  
 NIAGARA FALLS, NEW YORK  
 LOVE CANAL  
 MAY - JULY 1997

Sample Location	Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )	Semi-Volatile Organics	Estimated Concentration ( $\mu\text{g/L}$ )
10272	None	-	Hexanoic acid, 2-ethyl- Unknown	4J 11J
10278	None	-	Sulfur, mol(S8) Unknowns	650J 29J

ATTACHMENT 2  
CHAIN OF CUSTODY FORMS



Monroe, CT 06468  
203-261-4458

IEA JOB #: 7097-1609A

CLIENT: Ellison Skunks

PROJECT ID: Levee Construction

IEA PROJECT MGR: Steve Kenna

RUSH  YES  NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS	
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		Y
1	5222	7/7/7 14:30	FIP	01	Y	9												60	Later by white factory
2	8135	7/7/7 11:30	FIP	02	N	3												2	
3	10276	7/7/7 11:30	FIP	03	N	3												2	Passed Rad Screen 7-8-97
4	12604	7/7/7 10:30	AG	04	N	3												2	
5	10135	7/7/7 15:30	AG	05	N	3												2	
6	T.C.S blank		TB	-		3												3	
7	T.C.P blank		TB	06		3												3	

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES RECD BY		REMARKS ON SAMPLE RECEIPT	
A - AIR	S - SOIL	DATE / TIME	SIGNATURE	DATE / TIME	SIGNATURE	<input checked="" type="checkbox"/> BOTTLES INTACT	<input checked="" type="checkbox"/> CUSTODY SEALS
AQ - AQUEOUS	SL - SLUDGE	7/7/7 9:00 AM	[Signature]			<input type="checkbox"/> PRESERVED	<input checked="" type="checkbox"/> SEALS INTACT
C - COMPLEX	W - WIPE	DATE / TIME	SIGNATURE	DATE / TIME	SIGNATURE	<input type="checkbox"/> CHILLED	<input type="checkbox"/> SEE REMARKS
D - DRUM WASTE	O - OTHER	7/7/7 16:30	[Signature]	7-8-97 10:00	[Signature]		
O1 - OIL	FB - FIELD BLANK						
	TB - TRIP BLANK						



IEA  
An Aquarion Company

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

# CHAIN OF STUDY RECORD

PAGE \_\_\_\_\_ OF \_\_\_\_\_ NO. \_\_\_\_\_

**GENERAL REMARKS**

**TESTS**

TUL	TUL	Temp				
DMA	VOA					
PESTICIDES	HCL					
BOTTLE TYPE AND PRESERVATIVE						

IEA JOB #: 7097-1517A  
 CLIENT: Green Springs  
 PROJECT ID: Lube Canal  
 IEA PROJECT MGR: Stephanie Plunkett  
 RUSH  YES  NO DUE DATE: 07/11/97

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	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	
1	9210	7/9/97 5:30	AQ	13N	N	3	2										07	
2	10210A	7/10/97 11:30	AQ	14N	N	3	2										08	
3	Temp Blank					1											09	
4	TRIP BLANK			15														

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

**REMARKS ON SAMPLE RECEIPT**  
 BOTTLES INTACT     CUSTODY SEALS  
 PRESERVED     BOTTLES INTACT  
 CHILLED     SEE REMARKS

BOTTLES PREPARED BY: [Signature]    DATE / TIME: 7/9/97 10:00  
 BOTTLES RECEIVED BY: [Signature]    DATE / TIME: 07/11/97 10:00

RECEIVED IN LAB BY: C. Plunkett    DATE / TIME: 07/11/97 10:00

IEA JOB #: 7097-1099A  
 CLIENT: GLENN SPRINGS  
 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	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS	GENERAL 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		
01	RINSE BLANK	5/12/97 10:15 A.M.	AP	01	N	3													
02	D1 BLANK	5/12/97 10:30 A.M.	AP	02	N	3													
03	10147	5/12/97 4:10 P.M.	AP	03	N	3													
04	TRIP BLANK		AP	04		1													
05	TEMP BND		AP			1													

Passed Rad Screen  
 05/13/97 3:30

MATRIX CODES	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
A - AIR AQ - AQUEOUS C - COMPLEX D - DRUM WASTE OI - OIL	5/12/97 9:00 A.M.	SIGNATURE	DATE / TIME
S - SOIL SL - SLUDGE W - WIPE O - OTHER FB - FIELD BLANK TB - TRIP BLANK	5/12/97 4:10 P.M.	RECEIVED IN LAB BY	DATE / TIME
		C.P. Damian	05/13/97 10:4

REMARKS ON SAMPLE RECEIPT

BOTTLES INTACT  CUSTODY SEALS

PRESERVED  SEALS INTACT

CHILLED  SEE REMARKS



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

# CHAIN OF CUSTODY RECORD

PAGE 2 OF NO.

## GENERAL REMARKS

IEA JOB #: 7097-1099A

CLIENT: GLENN SPRINGS

PROJECT ID: LOVE CANAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

## TESTS

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	
01	10225B	5/12/97	AQ	05	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	only 7 bottles received intact 2 broken in transit
02	10225A	5/12/97	AQ	06	N													
03	Trip Blank		TB	07														
04	Temp Blank		TB															

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

MATRIX CODES	BOTTLES PREPARED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME
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	KEVIN LYNCH	5/12/97 14:00	KEVIN LYNCH	5/12/97 14:00
	KEVIN LYNCH	5/12/97 16:00	CPD	5/13/97 10:00
	KEVIN LYNCH	5/12/97 16:00	CPD	5/13/97 10:00

7097-1344A

IEA JOB #:

CLIENT: GLENN SPRINGS HOLDING

PROJECT ID: G30170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	
001	8130	6/12/97 9:30A	AP			3	2											012
002	8140	6/12/97 10:30AM	AP			3	2											013
003	9110	6/12/97 11:30AM	AP			3	2											014
004	9115	6/12/97 13:30	AP			3	2											015
005	Temp BLANK																	016
006	TRIP BLANK																	

~~RESERVED FOR RESEARCH~~  
30C  
6/13/97

GENERAL REMARKS

BOTTLE TYPE AND PRESERVATIVE

TESTS

<p><b>MATRIX CODES</b></p> <p>A - AIR      S - SOIL          AQ - AQUEOUS      SL - SLUDGE          C - COMPLEX      W - WIPE          D - DRUM WASTE      O - OTHER          OI - OIL      FB - FIELD BLANK                                           TB - TRIP BLANK</p>		<p>BOTTLES PREPARED BY: <u>DANIEL CRICCHETTI</u>          SIGNATURE: <u>[Signature]</u>          DATE / TIME: 6/12/97 7:00 A.M.</p>		<p>BOTTLES REC'D BY: _____          SIGNATURE: _____          DATE / TIME: _____</p>		<p><b>REMARKS ON SAMPLE RECEIPT</b></p> <p><input type="checkbox"/> BOTTLES INTACT      <input type="checkbox"/> CUSTODY SEALS  <input type="checkbox"/> PRESERVED      <input type="checkbox"/> SEALS INTACT  <input type="checkbox"/> CHILLED      <input type="checkbox"/> SEE REMARKS</p>	
<p>SAMPLES COLLECTED BY: <u>DANIEL CRICCHETTI</u>          SIGNATURE: <u>[Signature]</u>          DATE / TIME: 6/12/97 14:30</p>		<p>RECEIVED IN LAB BY: <u>MARIO CICCARINI</u>          SIGNATURE: <u>[Signature]</u>          DATE / TIME: 6-13-97 10:00</p>					





IEA  
An Aquarion Company

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

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

No. Pr 7-0929A

## GENERAL REMARKS

## TESTS

IEA JOB #: 7097-1344A  
 CLIENT: GLENN SPRINGS HARDWARE  
 PROJECT ID: G30170-L.C. ANNUAL  
 IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS											
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		Y	N									
001	9118	6/13/97 9:30A	AP	17	N	3	2																						
002	9120	6/13/97 10:30A	AP	18	N	3	2																						
003	9125	6/13/97 11:30A	AP	19	N	3	2																						
004	12003	6/13/97 15:30A	AP	20	N	3	2																						
005	TEMP BLANK																												
006	TRIP BLANK																												

Passed Rad Screen  
6/14/97 3

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

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES REC'D BY	
A - AIR	S - SOIL	SIGNATURE	DATE / TIME	SIGNATURE	DATE / TIME
AQ - AQUEOUS	SL - SLUDGE	Stephanie Plunkett	6/13/97 8:00A		
C - COMPLEX	W - WIPE	Glenn Sprinkles			
D - DRUM WASTE	O - OTHER	SAMPLES COLLECTED BY			
OI - OIL	FB - FIELD BLANK	Stephanie Plunkett	6/13/97 12:00N	CP Damiani	06/14/97 10:00
	TB - TRIP BLANK	SIGNATURE		SIGNATURE	



203-261-4458

GENERAL REMARKS

TESTS

IEA JOB #: 7097-1344A

CLIENT: GLEN SPAINCS HOLDING

PROJECT ID: 630170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PUNKETT

RUSH  YES  NO DUE DATE

BOTTLE TYPE AND PRESERVATIVE

FIELD FILTERED - CIRCLE Y or N

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS		
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		Y	N
201	7132	6/9/97 9:30 A.M.	AQ	01	Y															one amber broke
202	7155	6/9/97 11:30 A.M.	AQ	02	N															one vial broken 6/10/97
203	3257	6/9/97 13:30	AQ	03	N															
204	7161	6/9/97 11:30	AQ	04	N															
205	TRIP BLANK		TB	05																This sample is a trip blank 6/10/97
206	TEMP BLANK		TB	06																
																				Passed RABD Screen 6/10/97

**MATRIX CODES**

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

**BOTTLES PREPARED BY** Parrell Gunkett    **DATE / TIME** 6/9/97 8:30 A.M.  
 SIGNATURE Parrell Gunkett    SIGNATURE

**SAMPLES COLLECTED BY** Parrell Gunkett    **DATE / TIME** 6/9/97 16:00  
 SIGNATURE Parrell Gunkett    SIGNATURE CPDamin    06/10/97 10:00

**REMARKS ON SAMPLE RECEIPT**

BOTTLES INTACT     CUSTODY SEAL  
 PRESERVED     SEALS INTACT  
 CHILLED     SEE REMARKS



**IEA**  
An Aquarion Company

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

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. PR 17-0929A

## TESTS

## GENERAL REMARKS

IEA JOB #: 7097-1344A

CLIENT: Glenn Spruce Holding

PROJECT ID: G30170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

BoNA	VoA	Temp																	
BOTTLE TYPE AND PRESERVATIVE																			

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS		
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		Y	N
201	3151	6/10/97 9:30A	AP	07	N															one BNA broke
202	0210	6/10/97 10:30A	AP	08	N															one BNA broke
203	8110	6/10/97 13:00	AP	09	N															for 06/12/97
204	0120	6/10/97 13:30	AP	10	N															
205	TEMP BLANK		TB																	Passed Rad Screen
206	TRIP BLANK		TB	11																06/12/97

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES RECD BY		REMARKS ON SAMPLE RECEIPT	
A - AIR	S - SOIL	Signature: [Signature]	DATE / TIME: 6/10/97 7:30 AM	Signature: [Signature]	DATE / TIME: [ ]	<input type="checkbox"/> BOTTLES INTACT	<input type="checkbox"/> CUSTODY SEALS
AQ - AQUEOUS	SL - SLUDGE	Signature: [Signature]		Signature: [Signature]		<input checked="" type="checkbox"/> PRESERVED	<input type="checkbox"/> SEALS INTACT
C - COMPLEX	W - WIPE	Signature: [Signature]		Signature: [Signature]		<input checked="" type="checkbox"/> CHILLED	<input type="checkbox"/> SEE REMARKS
D - DRUM WASTE	O - OTHER	Signature: [Signature]	DATE / TIME: 6/10/97 4:00 PM	Signature: [Signature]	DATE / TIME: 06/12/97 10:00		
OI - OIL	FB - FIELD BLANK	Signature: [Signature]		Signature: [Signature]			
	TB - TRIP BLANK						

IEA JOB #: 7097-1517A

CLIENT: GLENN SPARKS

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												GENERAL REMARKS						
						BOTTLE TYPE AND PRESERVATIVE						FIELD FILTERED - CIRCLE Y or N												
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N							
x01	10225C	6/30/97 15:30	AP 05	05	Y	TCL BNA RESIDUE HCL	TCL Temp VOA HCL																	
x02	TRIP BLANK		TB 06	06																				
x03	TEMP BLANK		TB																					

Passed Rad Screen  
AF 07/01/97

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES REC'D BY		REMARKS ON SAMPLE RECEIPT	
SIGNATURE	DATE / TIME	SIGNATURE	DATE / TIME	SIGNATURE	DATE / TIME	BOTTLES INTACT	CUSTODY SEAL
<i>[Signature]</i>	6/30/97 18:00A	<i>[Signature]</i>	6/30/97 18:00A	<i>[Signature]</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>[Signature]</i>	6/30/97 16:30	<i>[Signature]</i>	6/30/97 16:30	<i>[Signature]</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>



An Aquarium Company

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

# CHAIN OF CUSTODY RECORD

PAGE \_\_\_\_\_ OF \_\_\_\_\_ NO. \_\_\_\_\_

GENERAL REMARKS

TESTS

TCL	TCL																			
BWA	VOA																			
Residuals	HCL																			
BOTTLE TYPE AND PRESERVATIVE																				

IEA JOB #: 7097-1517A

CLIENT: GLENN SPANOS

PROJECT ID: LOVE CANAL

IEA PROJECT MGR: STEPHENIE PLUNKETT

RUSH  YES  NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	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				
001	10210B	7/19/97 18:30	AQ	07	N	3	2														
002	10210C	7/19/97 17:30	AQ	08	N	3	2														
003	91140	7/29/97 11:30	AQ	09	N	3	2														
004	10113	7/29/97 12:30	AQ	10	N	3	2														
005	10205	7/29/97 16:00	AQ	11	N	3	2														
006	TEMP BLANK		TB																		
007	TRIP BLANK		TB	12																	

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES REC'D BY		REMARKS ON SAMPLE RECEIPT	
A - AIR	S - SOIL	SIGNATURE	DATE / TIME	SIGNATURE	DATE / TIME	<input checked="" type="checkbox"/> BOTTLES INTACT	<input type="checkbox"/> CUSTODY SEAL
AQ - AQUEOUS	SL - SLUDGE	<i>Stephenie Plunkett</i>	7/19/97 9:00 AM			<input type="checkbox"/> PRESERVED	<input type="checkbox"/> SEALS INTACT
C - COMPLEX	W - WIPE	<i>Glenn Spanos</i>				<input checked="" type="checkbox"/> CHILLED	<input type="checkbox"/> SEE REMARKS
D - DRUM WASTE	O - OTHER	<i>Stephenie Plunkett</i>	7/29/97 16:47	<i>M. Colon</i>	7-3-97		
OI - OIL	FB - FIELD BLANK	<i>Glenn Spanos</i>		<i>Stephenie Plunkett</i>			
	TB - TRIP BLANK						

IEA JOB #: 7097-1099A

CLIENT: GENN SPRING HOLDING

PROJECT ID: G30170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

DATE / TIME SAMPLED	CLIENT SAMPLE ID	MATRIX	LAB ID	LOC	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS		
					Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		Y	N
5/20/97	7130	AQ	17	Y															
5/20/97 13:00	12002	AQ	18	N															
	Trip Blank	TB	19																
	Field Blank	TB																	

passed Rad Screen  
5/20/97

<b>MATRIX CODES</b>	S - SOIL	SL - SLUDGE	W - WIPE	O - OTHER	FB - FIELD BLANK	TB - TRIP BLANK
A - AIR	AQ - AQUEOUS	C - COMPLEX	D - DRUM WASTE	OI - OIL		
BOTTLES PREP'D BY: [Signature]			DATE / TIME: 5/20/97 8:00A	BOTTLES REC'D BY:		
SIGNATURE: [Signature]			DATE / TIME:	SIGNATURE: [Signature]		
SAMPLES COLLECTED BY: [Signature]			DATE / TIME: 5/20/97 14:00P	RECEIVED IN LAB BY: [Signature]		
SIGNATURE: [Signature]			DATE / TIME:	SIGNATURE: [Signature]		
<b>REMARKS ON SAMPLE RECEIPT</b>				<b>REMARKS</b>		
<input checked="" type="checkbox"/> BOTTLES INTACT <input checked="" type="checkbox"/> PRESERVED <input checked="" type="checkbox"/> CHILLED				<input checked="" type="checkbox"/> CUSTODY SEALS <input checked="" type="checkbox"/> SEALS INTACT <input checked="" type="checkbox"/> SEE REMARKS		

GENERAL REMARKS

TESTS

BOTTLE TYPE AND PRESERVATIVE

BNA VOA Temp

SAMPLE REMARKS

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



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 NO. 17-0224

Assigned Lab Screen  
6-26-97

IEA JOB #: 7097-1517A  
 CLIENT: Clen Spang's Holding  
 PROJECT ID: 630170-L.C. ANNUAL  
 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												GENERAL REMARKS
						BOTTLE TYPE AND PRESERVATIVE						FIELD FILTERED - CIRCLE Y or N						
						Y	N	Y	N	Y	N	Y	N	Y	N			
01	6209	6/25/97 10:30	AQ	01	Y													
02	10272	6/25/97 13:30	AQ	02	N													
03	10174A	6/25/97 14:30	AQ	03	N													
04	Trip Blank		TB	04														
05	Trip Blank		TB	-														

MATRIX CODES	BOTTLES PREPARED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME	REMARKS ON SAMPLE RECEIPT
A - AIR AQ - AQUEOUS C - COMPLEX D - DRUM WASTE OI - OIL	<u>Stephanie Plunkett</u>	6/25/97 8:00	<u>Stephanie Plunkett</u>		<input checked="" type="checkbox"/> BOTTLES INTACT <input type="checkbox"/> PRESERVED <input checked="" type="checkbox"/> CHILLED
S - SOIL SL - SLUDGE W - WIPE O - OTHER FB - FIELD BLANK TB - TRIP BLANK	<u>Stephanie Plunkett</u>	6/25/97 16:30	<u>Stephanie Plunkett</u>	6/26/97 12:00	<input type="checkbox"/> CUSTODY SEAL INTACT <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS

IEA JOB #: 7097-1099A

CLIENT: GLEN SPRING HOLDING

PROJECT ID: 630170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

BOTTLE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N												SAMPLE REMARKS
						Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	
11	8106		HA	08	N	3	0	2	0									<del>407160664</del> Sample was marked 9205 at 05/14/97  ID on bottle
12	92065		HA	09	N	3		2										
13	7120		HA	10	N	3		2										
14	10270		HA	11	N	3		2										
15	12001		HA	12	N	3		2										
16	TRIP BLANK		PB	13	N	3		2										Correct per D. Glick 5/14
17	Temp Blank		HA		N	3		2										Passed Rad Screen ID 05/14/97 30
18			HA		N	3		2										
19			HA		N	3		2										
20			HA		N	3		2										

GENERAL REMARKS

TESTS

BNA-TCL-20  
BNA-MISC  
PPC-TCL

VOA-TCL-20  
VOA-MISC

BOTTLE TYPE AND PRESERVATIVE

HCL  
VOAVIAL

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

**BOTTLES PREPARED BY:** Bob Kunkel 5/14/97  
 SIGNATURE: [Signature]

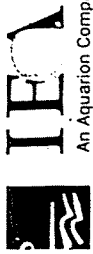
**BOTTLES RECD BY:** [Signature]  
 SIGNATURE: [Signature]

**DATE / TIME:** 5/10/97 16:00

**RECEIVED IN LAB BY:** CP Damiani 05/14/97 10:00  
 SIGNATURE: [Signature]

**REMARKS ON SAMPLE RECEIPT:**  
 BOTTLES INTACT       CUSTODY SEALS  
 PRESERVED       SEALS INTACT  
 CHILLED       SEE REMARKS





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

# CHAIN OF STUDY RECORD

PAGE 1 OF 1  
NO. 797-0929A

IEA JOB #: 7097-1099A

CLIENT: GLEN SPRING HOLDING

PROJECT ID: 630170-L.C. ANNUAL

IEA PROJECT MGR: STEPHANIE PLUNKETT

RUSH  YES  NO DUE DATE

BOTTLE #	CLIENT SAMPLE ID	DATE / TIME SAMPLED	MATRIX	LAB ID	QC Y / N	FIELD FILTERED - CIRCLE Y or N										GENERAL REMARKS		
						HCL		VOAVIAL		BNA-TCL-20		BNA-MISC		PPC-TCL			Temp	
						Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N		Y / N	
01	10215	5/14/97 8:35A	WA	14	N	3	2	X	X	X	X	X	X	X	X	Temp		
02	7205	5/14/97 11:55A	WA	15	N	3	2	X	X	X	X	X	X	X	X	Temp		
03	TRIP BLANK		WA	16	N	3	2	X	X	X	X	X	X	X	X			
04	Temp BLANK		WA		N	3	2	X	X	X	X	X	X	X	X			
05			WA		N	3	2	X	X	X	X	X	X	X	X			
06			WA		N	3	2	X	X	X	X	X	X	X	X			
07			WA		N	3	2	X	X	X	X	X	X	X	X			
08			WA		N	3	2	X	X	X	X	X	X	X	X			
09			WA		N	3	2	X	X	X	X	X	X	X	X			
10			WA		N	3	2	X	X	X	X	X	X	X	X			

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

**BOTTLES PREP'D BY:** Bob Kunkel 5/14/97 14:00  
 SIGNATURE: [Signature]

**BOTTLES REC'D BY:** M. Colon 5/15/97 10:00  
 SIGNATURE: [Signature]

**SAMPLES COLLECTED BY:** Stephanie Plunkett 5/14/97 13:00  
 SIGNATURE: [Signature]

**RECEIVED IN LAB BY:** [Signature]

**REMARKS ON SAMPLE RECEIPT:**  
 BOTTLES INTACT     CUSTODY SEALS  
 PRESERVED     SEALS INTACT  
 CHILLED     SEE REMARKS

APPENDIX B

WATER LEVEL MEASUREMENTS

TABLE B.1  
 QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1997  
 LOVE CANAL  
 OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	Monitored Zone	Top of Riser Elevation	Depth to Water (feet BTOR) (1)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
1170A	A	584.68	21.70	23.61	22.34	22.30	20.77	22.10	21.51	21.50	22.82	22.83	22.81	21.74
1170B	B	584.56	22.97	24.57	22.93	23.78	21.71	23.45	22.52	22.43	24.31	24.45	24.42	23.87
1171A	A	583.37	17.88	19.70	18.42	19.32	17.59	21.96	17.37	18.07	19.80	19.10	19.65	17.96
1171B	B	583.63	20.64	22.63	21.10	22.00	19.99	21.25	20.32	20.62	21.98	21.95	21.97	20.76
1171C	C	583.26	21.00	22.76	21.48	22.30	19.84	18.55	20.40	20.88	22.00	22.17	22.21	19.54
1172A	A	581.73	15.31	16.83	15.74	16.84	15.20	15.82	15.10	15.35	16.00	10.24	11.24	15.34
1172B	B	581.78	12.40	13.88	13.18	13.98	12.02	12.51	12.05	12.56	12.99	13.10	13.16	13.00
1172C	C	581.77	12.61	13.17	13.09	13.18	12.71	13.30	12.32	12.91	13.64	13.50	13.66	12.55
1173A	A	578.14	9.65	11.30	10.10	10.47	8.41	10.23	9.59	9.95	10.75	10.90	10.76	11.02
1173B	B	578.36	8.81	10.80	9.05	9.68	8.28	9.25	8.72	8.47	9.75	9.90	9.81	9.74
1173C	C	578.45	7.13	8.72	7.96	8.55	7.21	7.55	7.04	7.36	8.20	7.92	7.78	7.22
1173D	D	578.60	7.15	8.83	7.61	8.17	6.90	7.06	7.43	6.80	7.62	8.00	7.82	7.34
1174A	A	577.77	5.21	6.74	4.30	5.30	3.00	5.90	3.34	4.72	2.46	3.52	3.21	3.45
1174B	B	577.73	2.86	5.09	2.90	3.37	3.09	3.75	3.13	3.20	4.53	3.25	3.52	2.98
1174C	C	578.14	2.57	4.00	2.32	3.27	FROZEN	2.78	1.90	2.10	3.17	4.65	4.21	3.67
1174D	D	577.78	1.93	3.76	1.52	2.68	1.61	2.80	2.31	1.35	6.30	6.52	6.31	2.45
1180A	A	582.59	19.07	20.70	19.60	20.52	18.71	19.39	19.07	19.44	19.73	20.10	22.14	19.04
1180B	B	582.47	20.98	22.45	21.05	22.32	20.70	21.60	20.85	20.72	22.11	22.15	22.13	20.67
1180C	C	583.27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
1181A	A	576.81	9.21	11.10	9.33	9.08	6.07	9.45	8.41	8.72	10.05	10.38	10.25	9.67
1181B	B	577.15	9.76	11.60	9.10	10.40	9.04	9.70	9.85	8.75	10.47	10.67	10.25	9.48
1181C	C	577.07	7.10	9.27	7.18	7.87	7.52	7.96	8.60	7.14	7.73	8.89	7.89	7.48
1183A	A	576.62	11.48	11.80	11.97	10.80	9.78	11.86	10.63	11.17	11.41	11.43	11.44	11.54
1183B	B	576.54	10.96	11.40	11.99	10.52	10.41	11.53	11.10	10.84	11.65	11.94	11.87	10.45
1183C	C	577.33	9.52	10.11	10.32	9.23	9.18	10.24	10.25	9.25	10.41	10.64	10.23	11.02
1183D	D	576.91	9.65	9.65	10.68	9.67	9.56	10.74	9.75	9.60	10.72	10.93	10.82	10.84
1184A	A	575.08	10.80	11.10	11.78	10.70	10.41	11.80	11.05	10.87	11.24	11.78	11.58	10.56
1184B	B	575.54	9.90	10.55	11.45	9.95	9.50	10.81	10.72	10.20	10.38	10.86	10.54	10.59
1184C	C	575.08	7.25	10.58	DRY	DRY	6.27	7.72	12.09	DRY	7.30	8.20	7.33	7.23
1184D	D	574.95	6.60	DRY	DRY	5.13	6.67	7.33	DRY	6.18	6.64	7.75	7.01	7.05
1190A	A	586.53	21.13	24.50	13.32	14.60	19.10	16.65	22.91	12.25	17.87	22.30	19.45	21.67
1190B	B	586.22	22.03	25.02	22.36	22.62	20.75	22.04	22.90	21.32	23.02	23.37	23.14	22.04
1191A	A	584.91	17.90	19.02	18.47	19.86	18.38	18.27	18.03	20.54	19.35	19.30	19.34	18.04
1191B	B	584.90	18.80	22.13	19.12	20.30	18.99	19.28	18.82	19.08	21.09	20.10	21.02	19.56
1191C	B	585.18	20.50	22.27	20.73	21.70	20.31	20.90	20.73	18.44	21.56	21.60	21.58	20.73
1192A	A	583.43	19.10	20.50	18.96	19.80	18.48	19.21	19.10	18.97	19.70	19.90	19.81	19.45
1192B	B	583.46	14.64	16.03	15.58	16.12	14.65	15.60	14.57	14.77	15.81	15.80	15.82	15.14
1192C	C	583.85	13.71	15.20	14.20	15.52	14.03	14.35	13.67	14.04	15.22	15.23	15.24	12.34

TABLE B.1

QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1997  
 LOVE CANAL  
 OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	Monitored Zone	Top of Riser Elevation	Depth to Water (feet BTOR) (1)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
1193A	A	579.97	14.12	15.66	14.58	15.21	13.60	14.30	14.23	14.03	14.75	15.02	14.83	14.56
1193B	B	579.45	10.55	12.10	11.30	11.99	10.54	10.95	10.51	10.72	11.73	11.75	10.02	10.45
1193C	C	579.60	8.57	10.20	6.58	10.57	9.10	8.90	8.54	9.37	10.04	9.80	9.98	8.76
1193D	D	579.60	7.79	6.60	9.21	9.58	8.56	8.07	8.11	9.67	9.21	9.17	9.24	8.43
1194A	A	578.40	13.97	15.37	14.40	15.40	13.42	14.25	14.02	13.85	14.27	14.89	14.56	14.03
1194B	B	578.03	8.08	10.70	9.20	9.16	8.05	8.34	8.55	8.27	9.35	9.31	9.37	8.84
1194C	C	578.56	5.20	8.60	4.38	5.00	6.17	5.20	7.54	4.15	5.07	6.99	6.24	4.13
1194D	B	578.54	4.56	7.90	6.30	6.30	5.21	5.15	6.78	5.49	5.81	6.40	6.13	5.36
1140A	B	583.50	19.14	20.38	18.85	19.86	18.28	20.18	18.73	18.66	19.73	20.23	19.87	19.34
1140B	A	583.50	18.80	20.36	18.50	19.42	17.85	19.83	18.54	18.42	20.06	19.77	19.87	19.67
1141A	B	581.70	15.27	16.64	15.30	16.54	14.91	16.30	15.10	15.37	16.17	16.20	16.17	15.43
1141B	A	581.90	15.15	16.20	15.05	16.40	14.83	16.17	14.88	15.19	16.27	16.00	16.12	15.97
1142A	C/D	579.70	DRY	DRY	DRY	DRY	12.57	DRY	12.58	DRY	8.60	DRY	DRY	DRY
1142B	B	579.50	11.72	12.04	12.06	12.85	11.47	12.65	11.58	12.20	12.62	12.64	12.65	11.76
1142C	A	579.60	13.31	13.68	13.87	15.10	13.12	14.41	13.27	13.54	14.01	14.19	14.34	14.76
1143A	C	577.70	6.32	7.04	7.23	7.35	6.24	7.07	6.95	6.90	7.13	7.35	7.23	6.98
1143B	C	577.20	5.81	6.52	7.22	7.29	5.85	6.57	6.37	6.78	6.71	6.90	6.75	7.04
1143C	B	576.70	7.00	7.46	7.80	7.96	6.95	7.77	7.05	7.69	7.80	8.00	7.90	7.76
1143D	A	576.80	8.70	9.11	9.36	10.06	9.00	9.74	8.78	9.35	9.82	9.75	9.79	9.56
1144A	D/C	579.70	6.00	6.90	6.52	6.23	5.60	6.51	6.73	5.57	6.30	7.28	7.12	7.03
1144B	C	576.90	5.61	6.40	6.17	5.98	5.29	6.28	6.37	5.46	5.81	6.88	6.01	5.78
1144C	B	577.30	6.28	7.30	7.45	6.75	5.98	6.78	7.02	6.40	6.60	7.46	7.23	7.45
1144D	A	577.20	7.41	7.98	9.79	9.55	8.08	8.34	7.75	8.58	8.31	8.45	8.34	8.56
1160A	A	584.20	19.70	21.25	18.50	18.40	17.99	DRY	19.08	19.22	43.55	17.30	20.14	21.69
1160C	C	583.50	13.20	18.10	17.70	17.73	17.82	18.40	17.35	17.78	18.32	17.30	17.54	16.99
1161A	A	582.30	17.50	18.02	18.57	17.40	16.28	11.80	16.98	17.39	37.46	17.63	22.13	21.45
1161B	B	582.61	16.02	17.65	15.95	16.90	14.87	16.13	15.29	15.70	17.24	17.20	17.14	17.65
1161C	C	582.50	13.69	14.95	13.86	15.10	13.29	13.76	13.15	13.75	14.90	14.74	14.74	14.45
1161D	D	582.20	16.68	13.90	13.22	14.08	12.60	12.77	12.35	12.92	13.92	13.72	13.72	13.67
1161E	B	583.81	18.40	19.92	18.41	19.30	16.74	18.70	17.50	18.08	19.58	19.60	19.78	20.03
1162A	*	581.35	11.18,	16.50	14.78	15.64	13.68	15.50	14.41	11.31	12.15	12.34	12.26	12.76
1162C	*	582.14	14.64	12.51	11.45	12.50	11.47	11.10	11.42	11.90	12.87	12.95	12.65	13.00
1162D	*	581.60	11.65	13.35	12.20	13.56	11.09	11.76	10.98	14.51	15.99	15.94	15.96	15.87
1163A	A	581.40	12.40	14.41	12.41	13.37	11.73	12.77	12.16	12.34	13.64	13.67	13.66	13.54
1163B	B	581.20	11.35	12.54	11.58	11.55	11.17	11.55	11.02	11.50	11.50	10.37	10.87	10.32
1163C	C	581.30	10.85	12.14	11.37	12.78	10.86	10.90	10.30	11.23	12.14	11.99	12.13	12.43
1163D	D	581.20	11.79	13.29	DRY	DRY	5.74	DRY	7.85	DRY	12.83	13.00	12.98	11.05
1165A	A	589.40	18.34	20.08	18.81	19.45	17.70	18.58	18.26	18.37	13.87	14.89	14.43	14.76
1165B	B	592.20	17.02	20.80	19.44	20.37	BLOCKED	19.17	19.20	19.25	13.72	13.92	13.92	12.98
1165C	C	592.40	18.89	20.69	19.40	20.16	18.77	18.87	18.82	19.16	13.35	13.46	13.47	13.67
1165D	D	589.90	BLOCKED	18.45	17.29	18.02	16.83	17.10	16.86	17.17	13.15	13.27	13.34	14.54

TABLE B.1  
 QUARTERLY WATER LEVELS - APRIL 1995 TO DECEMBER 1997  
 LOVE CANAL  
 OCCIDENTAL CHEMICAL CORPORATION

Well/Piezo Id#	Monitored Zone	Top of Riser Elevation	Depth to Water (feet BTOR) (1)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
10176A	A	573.60	9.95	10.57	11.00	9.83	6.14	11.11	8.19	6.07	6.40	8.17	7.23	7.76
10176B	B	573.60	8.65	9.47	9.55	8.03	6.21	9.61	8.33	6.24	6.65	8.20	7.23	7.65
10176C	C	573.60	7.34	8.49	6.73	5.48	7.54	7.70	8.59	8.09	9.77	9.94	9.86	9.01
10176D	D	573.60	7.80	8.28	6.53	5.23	8.93	7.64	9.70	9.60	11.24	11.11	11.34	11.76
10276			12.80	13.06	12.75	12.75	12.20	13.73	12.84	12.87	13.20	13.56	13.34	13.56
1150A	A	579.80	12.50	12.95	20.00	DECOMMISSIONED								
1150B	B	578.08	11.60	11.52	10.78	DECOMMISSIONED								
1151A	A	578.06	8.00	9.58	8.82	7.23	7.92	8.91	9.99	7.46	8.37	9.27	8.55	8.98
1151B	B	578.08	10.10	10.28	10.84	9.33	9.37	10.97	9.94	9.40	10.84	11.05	10.87	10.56
1151C	C	578.27	8.87	9.26	10.72	8.84	8.68	9.72	9.13	8.90	9.57	9.84	9.64	8.77
1151D	D	578.36	8.24	9.13	8.43	7.37	8.03	9.11	9.20	7.45	8.10	9.52	9.23	9.43
1153A	A	577.46	8.34	8.42	7.63	6.68	8.22	8.60	8.46	7.12	6.68	9.30	7.54	7.34
1153B	B	576.67	8.02	8.60	7.93	6.87	7.63	6.67	8.11	7.33	8.36	9.17	8.57	9.12
1153C	C	577.68	8.30	8.55	7.98	6.85	8.34	6.83	8.27	8.24	9.17	9.26	9.01	10.47
1153D	D	577.31	8.00	8.15	8.79	7.84	7.74	8.63	8.05	7.98	8.75	9.93	8.87	8.86
1153E	D	576.80	7.46	7.68	8.40	7.38	7.34	8.34	7.56	7.40	8.39	8.42	8.34	7.73
1154A	A	572.87	4.68	5.32	6.24	5.10	4.23	6.43	4.75	4.87	7.54	NM	7.23	7.24
1154B	B	573.93	5.54	5.96	6.43	5.28	4.77	6.88	5.60	5.10	7.00	6.90	7.02	6.88
1154C	C	574.03	4.98	5.66	6.47	5.37	5.29	6.65	5.44	5.00	6.45	6.65	6.43	5.99
1154D	D	573.81	4.82	5.13	6.20	5.11	4.46	5.65	5.27	5.45	6.11	6.82	6.32	6.21
6209			13.92	14.13	14.80	14.04	13.27	14.83	13.84	14.00	14.23	14.52	14.34	14.00
5222			12.95	13.10	13.68	12.65	12.23	13.82	12.87	12.79	13.47	13.60	14.00	14.54
3251			12.10	12.70	DECOMMISSIONED									
8210		576.83	12.19	12.33	12.94	11.92	11.79	13.24	12.46	12.17	12.54	13.13	13.12	12.89
9205		577.66	13.22	13.32	13.97	12.97	12.68	14.18	13.32	13.15	13.69	14.00	13.87	14.01

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	Water Level Elevation (feet AMSL) (2)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
1170A	A	584.68	562.98	561.07	562.34	562.38	563.91	562.58	563.17	563.18	561.87	561.85	561.87	562.94
1170B	B	584.56	561.59	559.99	561.63	560.78	562.85	561.11	562.04	562.13	560.11	560.25	560.14	560.69
1171A	A	583.37	565.49	563.67	564.95	564.05	565.78	561.41	566.00	565.30	563.57	564.27	563.72	565.41
1171B	B	583.63	562.99	561.00	562.53	561.63	563.64	562.38	563.31	563.01	561.66	561.68	561.66	562.87
1171C	C	583.26	562.26	560.50	561.78	560.96	563.42	564.71	562.86	562.38	561.05	561.09	561.05	563.72
1172A	A	581.73	566.42	564.90	565.99	564.89	566.53	565.91	566.63	566.38	565.73	571.49	570.49	566.39
1172B	B	581.78	569.38	567.90	568.60	567.80	569.76	569.27	569.73	569.22	568.68	568.68	568.62	568.78
1172C	C	581.77	569.16	568.60	568.68	568.59	569.06	568.47	569.45	568.86	568.13	568.27	568.11	569.22
1173A	A	578.14	568.49	566.84	568.04	567.67	569.73	567.91	568.55	568.19	567.38	567.24	567.38	567.12
1173B	B	578.36	569.55	567.56	569.31	568.68	570.08	569.11	569.64	569.89	568.61	568.46	568.55	568.62
1173C	C	578.45	571.32	569.77	570.49	569.90	571.24	570.90	571.41	571.09	570.25	570.53	570.67	571.23
1173D	D	578.60	571.45	569.77	570.99	570.43	571.70	571.54	571.17	571.80	570.98	570.60	570.78	571.26
1174A	A	577.77	572.56	571.03	573.47	572.47	574.77	571.87	574.43	573.05	575.31	574.25	574.56	574.32
1174B	B	577.73	574.87	572.64	574.83	574.36	574.64	573.98	574.60	574.53	573.20	574.48	574.21	574.75
1174C	C	578.14	575.57	574.14	575.82	574.87	NC	575.36	576.24	576.04	574.97	573.49	573.93	574.47
1174D	D	577.78	575.85	574.02	576.26	575.10	576.17	574.98	575.47	576.43	571.48	571.26	571.47	575.33
1180A	A	582.59	563.52	561.89	562.99	562.07	563.88	563.20	563.52	563.15	562.86	562.49	560.45	563.55
1180B	B	582.47	561.49	560.02	561.42	560.15	561.77	560.87	561.62	561.75	560.36	560.32	560.34	561.80
1180C	C	583.27	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1181A	A	576.81	567.60	565.71	567.48	567.73	570.74	567.36	568.40	568.09	566.76	566.43	566.56	567.14
1181B	B	577.15	567.39	565.55	568.05	566.75	568.11	567.45	567.30	568.40	566.68	566.48	566.90	567.67
1181C	C	577.07	569.97	567.80	569.89	569.20	569.55	569.11	568.47	569.93	569.34	568.18	569.18	569.59
1183A	A	576.62	565.14	564.82	564.65	565.82	566.84	564.76	565.99	565.45	565.21	565.19	565.18	565.08
1183B	B	576.54	565.58	565.14	564.55	566.02	566.13	565.01	565.44	565.70	564.89	564.60	564.67	566.09
1183C	C	577.33	567.81	567.22	567.01	568.10	568.15	567.09	567.08	568.08	566.92	566.69	567.10	566.31
1183D	D	576.91	567.26	566.23	566.23	567.24	567.35	566.17	567.16	567.21	566.19	565.98	566.09	566.07
1184A	A	575.08	564.28	563.98	563.30	564.38	564.67	563.28	564.03	564.31	563.84	563.30	563.50	564.52
1184B	B	575.54	565.64	564.99	564.09	565.59	566.04	564.73	564.82	565.34	565.16	564.68	565.00	564.95
1184C	C	575.08	567.83	564.50	NC	NC	568.81	567.36	562.99	NC	567.78	566.88	567.75	567.85
1184D	D	574.95	568.35	NC	NC	569.82	568.28	567.62	NC	568.77	568.31	567.20	567.94	567.90
1190A	A	586.53	565.40	562.03	573.21	571.93	567.43	569.88	563.62	574.28	568.66	564.23	567.08	564.86
1190B	B	586.22	564.19	561.20	563.86	563.60	565.47	564.18	563.32	564.90	563.20	562.85	563.08	564.18
1191A	A	584.91	567.01	565.89	566.44	565.05	566.53	566.64	566.88	564.37	565.56	565.61	565.57	566.87
1191B	B	584.90	566.10	562.77	565.78	564.60	565.91	565.62	566.08	565.82	563.81	564.80	563.88	565.34
1191C	B	585.18	564.68	562.91	564.45	563.48	564.87	564.28	564.45	566.74	563.62	563.58	563.60	564.45
1192A	A	583.43	564.33	562.93	564.47	563.63	564.95	564.22	564.33	564.46	563.73	563.53	563.62	563.98
1192B	B	583.46	568.82	567.43	567.88	567.34	568.81	567.86	568.89	568.69	567.65	567.66	567.64	568.32
1192C	C	583.85	570.14	568.65	569.65	568.33	569.82	569.50	570.18	569.81	568.63	568.62	568.61	571.51

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	Water Level Elevation (feet AMSL) (2)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
1193A	A	579.97	565.85	564.31	565.39	564.76	566.37	565.67	565.74	565.94	565.22	564.95	565.14	565.41
1193B	B	579.45	568.90	567.35	568.15	567.46	568.91	568.50	568.94	568.73	567.72	567.70	569.43	569.00
1193C	C	579.60	571.03	569.40	573.02	569.03	570.50	570.70	571.06	570.23	569.56	569.80	569.62	570.84
1193D	D	579.60	571.81	573.00	570.39	570.02	571.04	571.53	571.49	569.93	570.39	570.43	570.36	571.17
1194A	A	578.40	564.43	563.03	564.00	563.00	564.98	564.15	564.38	564.55	564.13	563.51	563.84	564.37
1194B	B	578.03	569.95	567.33	568.83	568.87	569.98	569.69	569.48	569.76	568.68	568.72	568.66	569.19
1194C	B	578.56	573.36	569.96	574.18	573.56	572.39	573.36	571.02	574.41	573.49	571.57	572.32	574.43
1194D	C	578.54	573.98	570.64	572.05	572.24	573.33	573.39	571.76	573.05	572.73	572.14	572.41	573.18
1140A	B	583.50	564.36	563.12	564.65	563.64	565.22	563.32	564.77	564.84	563.77	563.27	563.63	564.16
1140B	A	583.50	564.70	563.14	565.00	564.08	565.65	563.67	564.96	565.08	563.44	563.73	563.63	563.83
1141A	B	581.70	566.43	565.06	566.40	565.16	566.79	565.40	566.60	566.33	565.53	565.50	565.53	566.27
1141B	A	581.90	566.75	565.70	566.85	565.50	567.07	565.73	567.02	566.71	565.63	565.90	565.78	565.93
1142A	C/D	579.70	NC	NC	NC	NC	567.13	NC	567.12	NC	571.10	NC	NC	NC
1142B	B	579.50	567.78	567.46	567.44	566.65	568.03	566.85	567.92	567.30	566.88	566.86	566.85	567.74
1142C	A	579.60	566.29	565.92	565.73	564.50	566.48	565.19	566.33	566.06	565.59	565.41	565.26	564.84
1143A	C	577.70	571.38	570.66	570.47	570.35	571.46	570.63	570.75	570.80	570.57	570.35	570.47	570.72
1143B	C	577.20	571.39	570.68	569.98	569.91	571.35	570.63	570.83	570.42	570.49	570.30	570.45	570.16
1143C	B	576.70	569.70	569.24	568.90	568.94	569.75	568.93	569.65	569.01	568.90	568.80	568.86	568.94
1143D	A	576.80	568.10	567.69	567.44	566.74	567.80	567.06	568.02	567.45	566.98	567.05	567.01	567.24
1144A	D/C	579.70	573.70	573.18	573.80	573.47	574.10	573.19	572.97	574.13	573.40	572.42	572.58	572.67
1144B	C	576.90	571.29	570.50	570.73	570.92	571.61	570.62	570.53	571.44	571.09	570.02	570.89	571.12
1144C	B	577.30	571.02	570.00	569.85	570.55	571.32	570.52	570.28	570.90	570.70	569.84	570.07	569.85
1144D	A	577.20	569.79	569.22	567.41	567.65	569.12	568.86	569.45	568.62	568.89	568.75	568.86	568.64
1160A	A	584.20	564.50	562.95	565.70	565.80	566.21	NC	565.12	564.98	540.65	566.90	564.06	562.51
1160C	C	583.50	570.30	565.40	565.80	565.77	565.68	565.10	566.15	565.72	565.18	566.20	565.96	566.51
1161A	A	582.30	564.80	564.28	563.73	564.90	566.02	570.50	565.32	564.91	544.84	564.67	560.17	560.85
1161B	B	582.61	566.59	564.96	566.66	565.71	567.74	566.48	567.32	566.91	565.37	565.41	565.47	564.96
1161C	C	582.50	568.81	567.55	568.64	567.40	569.21	568.74	569.35	568.75	567.60	567.76	567.76	568.05
1161D	D	582.20	565.52	568.30	568.98	568.12	569.60	569.43	569.85	569.28	568.28	568.48	568.48	568.53
1161E	B	583.81	565.41	563.89	565.40	564.51	567.07	565.11	566.31	565.73	564.23	564.21	564.03	563.78
1162A		581.35	* 570.17	564.85	566.57	565.71	567.67	565.85	566.94	570.04	569.20	569.01	569.09	568.59
1162C		581.60	* 566.96	569.09	570.15	569.10	570.13	570.50	570.18	569.70	568.73	568.65	568.95	568.60
1162D		582.14	* 570.49	568.79	569.94	568.58	571.05	570.38	571.16	567.63	566.15	566.20	566.18	566.27
1163A	A	581.40	569.00	566.99	568.99	568.03	569.67	568.63	569.24	569.06	567.76	567.73	567.74	567.86
1163B	B	581.20	569.85	568.66	569.62	569.65	570.03	569.65	570.18	569.70	569.70	570.83	570.33	570.88
1163C	C	581.30	570.45	569.16	569.93	568.52	570.44	570.40	571.00	570.07	569.16	569.31	569.17	568.87
1163D	D	581.20	569.41	567.91	NC	NC	575.46	NC	573.35	NC	568.37	568.20	568.22	570.15
1165A	A	589.40	571.06	569.32	570.59	569.95	571.70	570.82	571.14	571.03	575.53	574.51	574.97	574.64
1165B	B	592.20	575.18	571.40	572.76	571.83	NC	573.03	573.00	572.95	578.48	578.28	578.28	579.22
1165C	C	592.40	573.51	571.71	573.00	572.24	573.63	573.53	573.58	573.24	579.05	578.94	578.93	578.73
1165D	D	589.90	NC	571.45	572.61	571.88	573.07	572.80	573.04	572.73	576.75	576.63	576.56	575.36

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	Water Level Elevation (feet AMSL) (2)											
			Apr-95	Jun-95	Nov-95	Dec-95	Jan-96	May-96	Jul-96	Dec-96	Mar-97	May-97	Sep-97	Dec-97
10176A	A	573.60	563.65	563.03	562.60	563.77	567.46	562.49	565.41	567.53	567.20	565.43	566.37	565.84
10176B	B	573.60	564.95	564.13	564.05	565.57	567.39	563.99	565.27	567.36	566.95	565.40	566.37	565.95
10176C	C	573.60	566.26	565.11	566.87	568.12	566.06	565.90	565.01	565.51	563.83	563.66	563.74	564.59
10176D	D	573.60	565.80	565.32	567.07	568.37	564.67	565.96	563.90	564.00	562.36	562.49	562.26	561.84
10276			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1150A	A	579.80	567.30	566.85	559.80	NC	NC	NC	NC	NC	NC	NC	NC	NC
1150B	B	578.08	566.48	566.56	567.30	NC	NC	NC	NC	NC	NC	NC	NC	NC
1151A	A	578.06	570.06	568.48	569.24	570.83	570.14	569.15	568.07	570.60	569.69	568.79	569.51	569.08
1151B	B	578.08	567.98	567.80	567.24	568.75	568.71	567.11	568.14	568.68	567.24	567.03	567.21	567.52
1151C	C	578.27	569.40	569.01	567.55	569.43	569.59	568.55	569.14	569.37	568.70	568.43	568.63	569.50
1151D	D	578.36	570.12	569.23	569.93	570.99	570.33	569.25	569.16	570.91	570.26	568.84	569.13	568.93
1153A	A	577.46	569.12	569.04	569.83	570.78	569.24	568.86	569.00	570.34	570.78	568.16	569.92	570.12
1153B	B	576.67	568.65	568.07	568.74	569.80	569.04	570.00	568.56	569.34	568.31	567.50	568.10	567.55
1153C	C	577.68	569.38	569.13	569.70	570.83	569.34	570.85	569.41	569.44	568.51	568.42	568.67	567.21
1153D	D	577.31	569.31	569.16	568.52	569.47	569.57	568.68	569.26	569.33	568.56	567.38	568.44	568.45
1153E	D	576.80	569.34	569.12	568.40	569.42	569.46	568.46	569.24	569.40	568.41	568.38	568.46	569.07
1154A	A	572.87	568.19	567.55	566.63	567.77	568.64	566.44	568.12	568.00	565.33	NC	565.64	565.63
1154B	B	573.93	568.39	567.97	567.50	568.65	569.16	567.05	568.33	568.83	566.93	567.03	566.91	567.05
1154C	C	574.03	569.05	568.37	567.56	568.66	568.74	567.38	568.59	569.03	567.58	567.38	567.60	568.04
1154D	D	573.81	568.99	568.68	567.61	568.70	569.35	568.16	568.54	568.36	567.70	566.99	567.49	567.60
6209			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
5222			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
3251			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
8210		576.83	564.64	564.50	563.89	564.91	565.04	563.59	564.37	564.66	564.29	563.70	563.71	563.94
9205		577.66	564.44	564.34	563.69	564.69	564.98	563.48	564.34	564.51	563.97	563.66	563.79	563.65

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