SEPARATOR

54-00068

BROWNFIELD

COMPLIANCE

06/07/2001

NA

9545640

GROUNDWATER MONITORING REPORT
CEDAR CHEMICAL CORPORATION

Prepared for:

Cedar Chemical Corporation
West Helena, Arkansas 72390

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
(901) 372-7962

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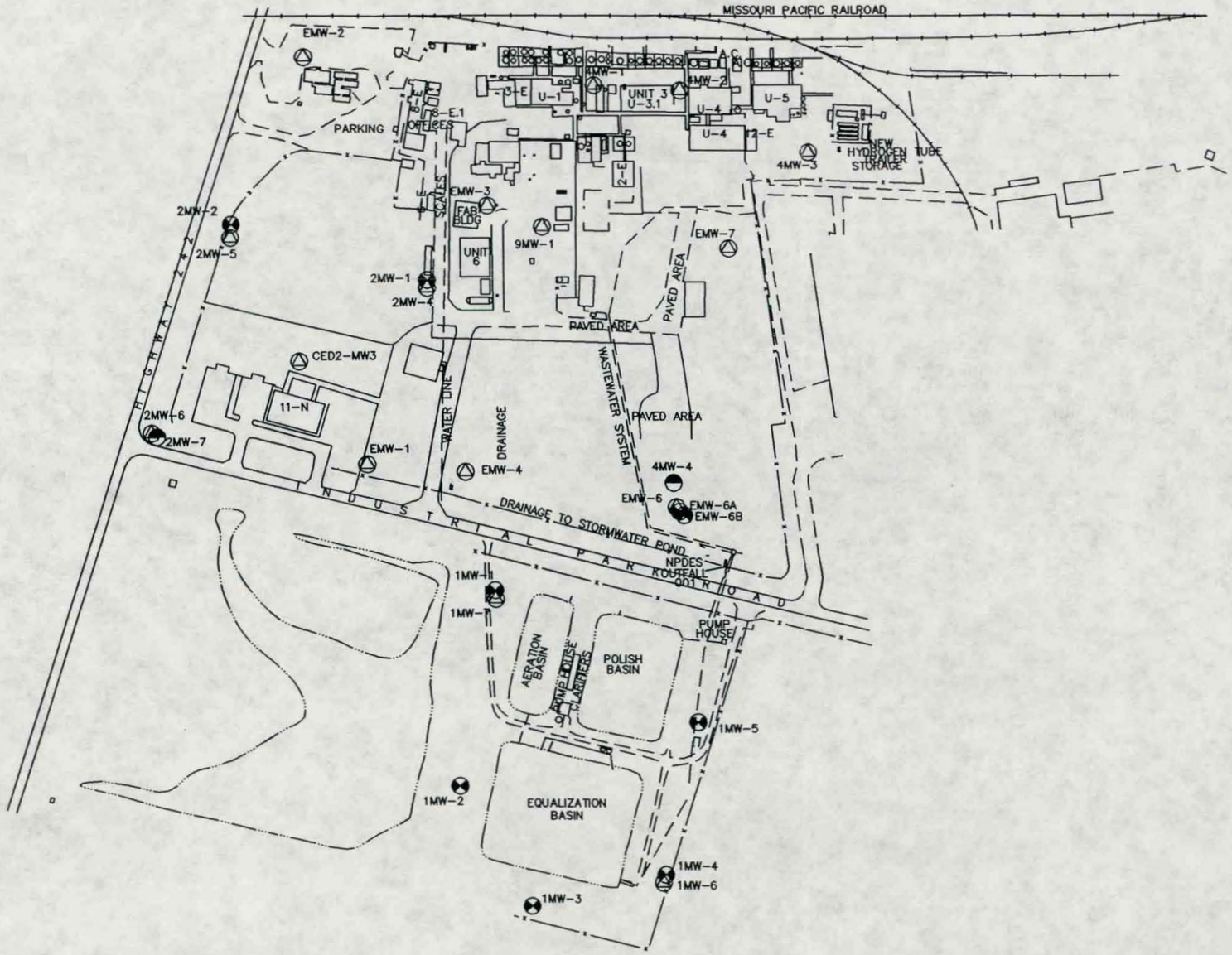
1.0 INTRODUCTION

Cedar Chemical Corporation (Cedar) conducted a Facility Investigation (FI) pursuant to Consent Administrative Order No. LIS 91-118, issued by the Arkansas Department of Environmental Quality (ADEQ) in 1991, for the Cedar facility in West Helena, Arkansas. As part of the FI, 32 wells have been installed on the Cedar Chemical facility including two offsite locations. Eight of the 32 wells are screened in the noncontinuous surficial saturated zone overlying the alluvial clay semiconfining unit. The remaining 24 wells are screened in the alluvial aquifer overlying the Jackson/Claiborne Group (Jackson Clay). Based on previous sampling events and the March 2001 Risk Assessment Report, it has been determined that the primary site constituents of concern (COC) in the alluvial aquifer are benzene, chloroform, 1,2-dichloroethane, 1,1,2- trichloroethane, and toluene.

Groundwater sampling was conducted to monitor the changing conditions of the contamination in the alluvial aquifer and the surficial saturated zone. This was accomplished by analyzing groundwater samples for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, and arsenic. All onsite well locations are presented in Figure 1. Offsite well locations are presented in Figure 2.

During the April 2001 sampling event, all wells, except existing wells 6, 6a, 6b, site 4 MW-2, and site 2 MW-1 were sampled. The MW- 6 well cluster was inaccessible due to water conditions in the stormwater treatment system. Site 4 MW- 2 was not sampled because it has been covered with asphalt. Site 2 MW-1 is screened in a seasonal, perched, saturated zone and did not yield sufficient water for sampling. The results of this sampling event are presented in Section 3.



LEGEND

- WATER OR DRAINAGE
- ROAD
- RAILROAD
- BUILDING
- FENCE
- SUBSURFACE PIPING (APPRPOX.)
- MONITORING WELL (PERCHED ZONE)
- SHALLOW MONITORING WELL (UPPER ALLUVIUM)
- DEEP MONITORING WELL (LOWER ALLUVIUM)

250 0 250

SCALE FEET

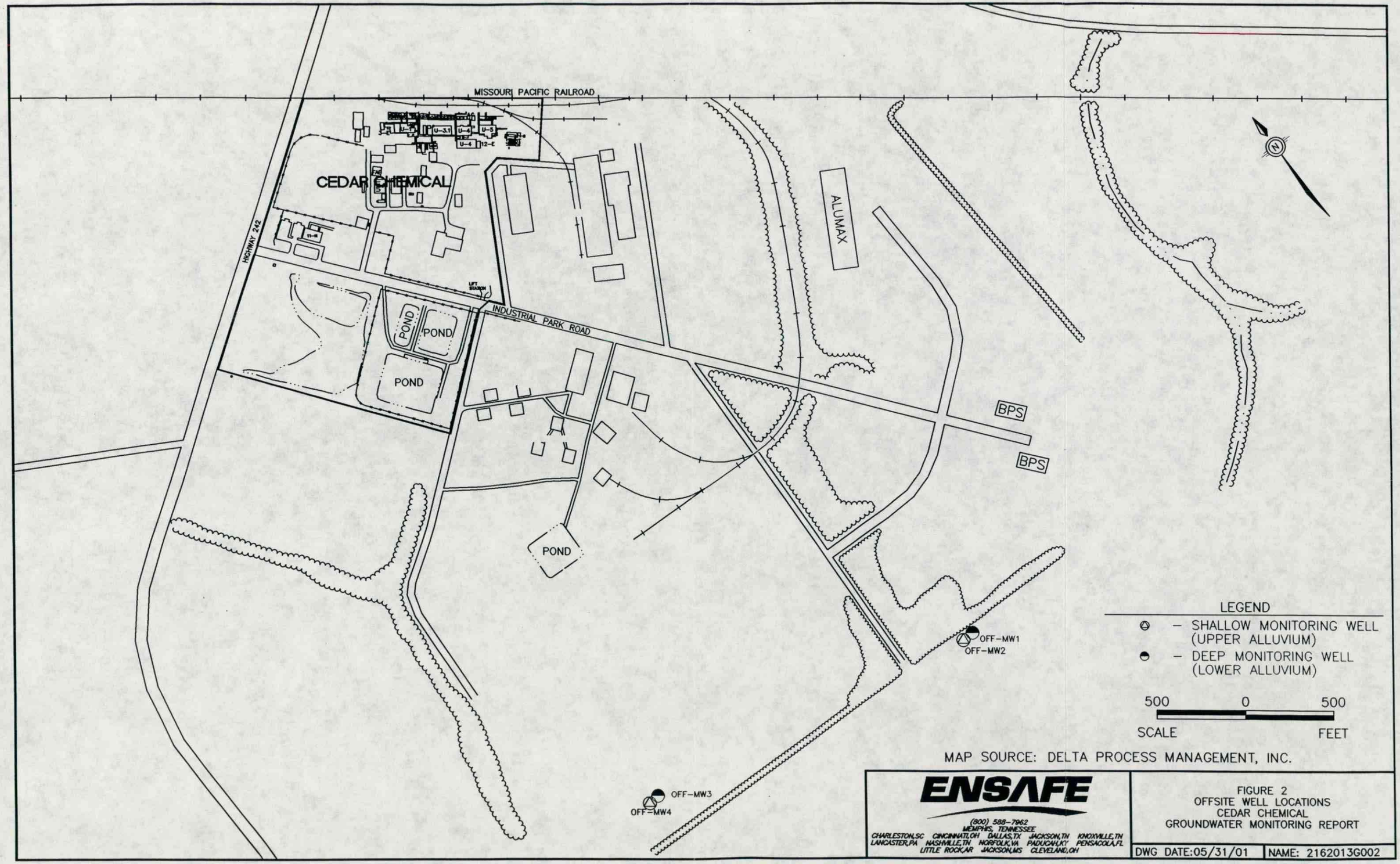
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

ENSAFE

(800) 588-7962
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN
LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 1
WELL LOCATION MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 | NAME: 2162013G001


MISSOURI PACIFIC RAILROAD
CEDAR CHEMICAL
HIGHWAY 242
INDUSTRIAL PARK ROAD
ALUMAX
POND
POND
POND
POND
BPS
BPS
OFF-MW1
OFF-MW2
OFF-MW3
OFF-MW4
LEGEND
– SHALLOW MONITORING WELL (UPPER ALLUVIUM)
– DEEP MONITORING WELL (LOWER ALLUVIUM)
500 0 500
SCALE FEET
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.
ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN
LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH
FIGURE 2
OFFSITE WELL LOCATIONS
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT
DWG DATE:05/31/01
NAME: 2162013G002

2

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected using both peristaltic and centrifugal pumps and dedicated Teflon tubing. Sampling procedures for the peristaltic pump were consistent with those discussed in Section 3.4 of the *Facility Investigation Report*, (EnSafe, March 2, 1995). Centrifugal pump sampling procedures varied from the referenced procedures only by lack of need for a transfer bottle. Samples from the centrifugal pump were collected directly from the pump tubing. The samples were collected in the appropriate preserved sample containers.

Once the samples were collected, each container was labeled with the well identification number, the analysis method for the sample, and the date and time of collection. Samples were placed in an ice chest and shipped to Southwest Laboratories of Oklahoma, Inc. in Broken Arrow, Oklahoma. Each groundwater sample was analyzed for VOCs (Method 8260B), SVOCs (Method 8270C), Pesticides (Method 8081A), and arsenic (Method 6010B).

All sampling equipment that contacted the monitoring wells was decontaminated prior to use in each well. Decontamination procedures were consistent with those discussed in Section 3.5 of the FI report, with one exception, the decontaminated sampling equipment was wrapped in plastic rather than aluminum foil for transfer between sampling locations.

2.1 Potentiometric Surface Map

Static water levels were measured at each well prior to sampling. All water levels were recorded on the same day to reduce the potential of natural fluctuations in the levels affecting the contoured surface of the potentiometric surface map. Measurements were made to the nearest one-hundredth of a foot using an electronic water level indicator. The depth to groundwater was recorded on the groundwater sampling sheet for calculating purge volumes and was referenced to mean sea level for potentiometric surface mapping. Table 1 presents the static water levels for this sampling event. Figure 3 presents the potentiometric surface observed during this event.

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
April 2001 Sampling Event

Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)	Organic Vapor Concentration (ppm)
1MW-1[a]	195.43	6.98	188.45	7.7
1MW-2[a]	194.4	7.25	187.15	7.3
1MW-3	191.49	8.05	183.44	1.1
1MW-4	191.9	8.23	183.67	0.3
1MW-5	194.16	9.18	184.98	0.4
1MW-6	191.97	16.10	175.87	0.0
1MW-7	195.46	19.82	175.64	2.2
2MW-1	201.17	20.40	180.77	130.0
2MW-2	199.88	15.82	184.06	0.6
2MW-3	198.76	22.85	175.91	3.7
2MW-4	201.1	25.25	175.85	0.4
2MW-5	199.9	23.85	176.05	0.3
2MW-6	198.47	22.50	175.97	0.7
2MW-7	198.7	23.45	175.25	1.0
4MW-1	197.69	21.50	176.19	NA[d]
4MW-2[b]	198.01	—	—	NA
4MW-3	200.91	19.52	181.39	1.1
4MW-4	202.04	26.45	175.59	2.0
9MW-1[c]	—	20.00	—	5.8
EMW-1[a]	198.23	11.10	187.13	0
EMW-2	199.87	23.60	176.27	0
EMW-3[a]	199.31	23.30	176.01	36.0
EMW-4[a]	198.13	9.94	188.19	4.0
EPZ-5 [c]	—	24.0	—	0.0
EMW-6[b]	199.56	—	—	NA
EMW-6A[a,b]	198.54	—	—	NA
EMW-6B[a,b]	198.09	—	—	NA
EMW-7	198.47	22.55	175.92	0.1
OFFMW-1 [c]	—	9.63	NA	NA

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
April 2001 Sampling Event

Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)	Organic Vapor Concentration (ppm)
OFFMW-2 [c]	—	9.44	NA	NA
OFFMW-3 [c]	—	9.46	NA	NA
OFFMW-4 [c]	—	9.50	NA	NA

Notes:

a = Well not used in production of potentiometric surface map due to suspect top of casing survey data due to damaged protective casing or anomalous elevation relative to neighboring wells, or it was not screened in the alluvial aquifer.

b = No static water level recorded.

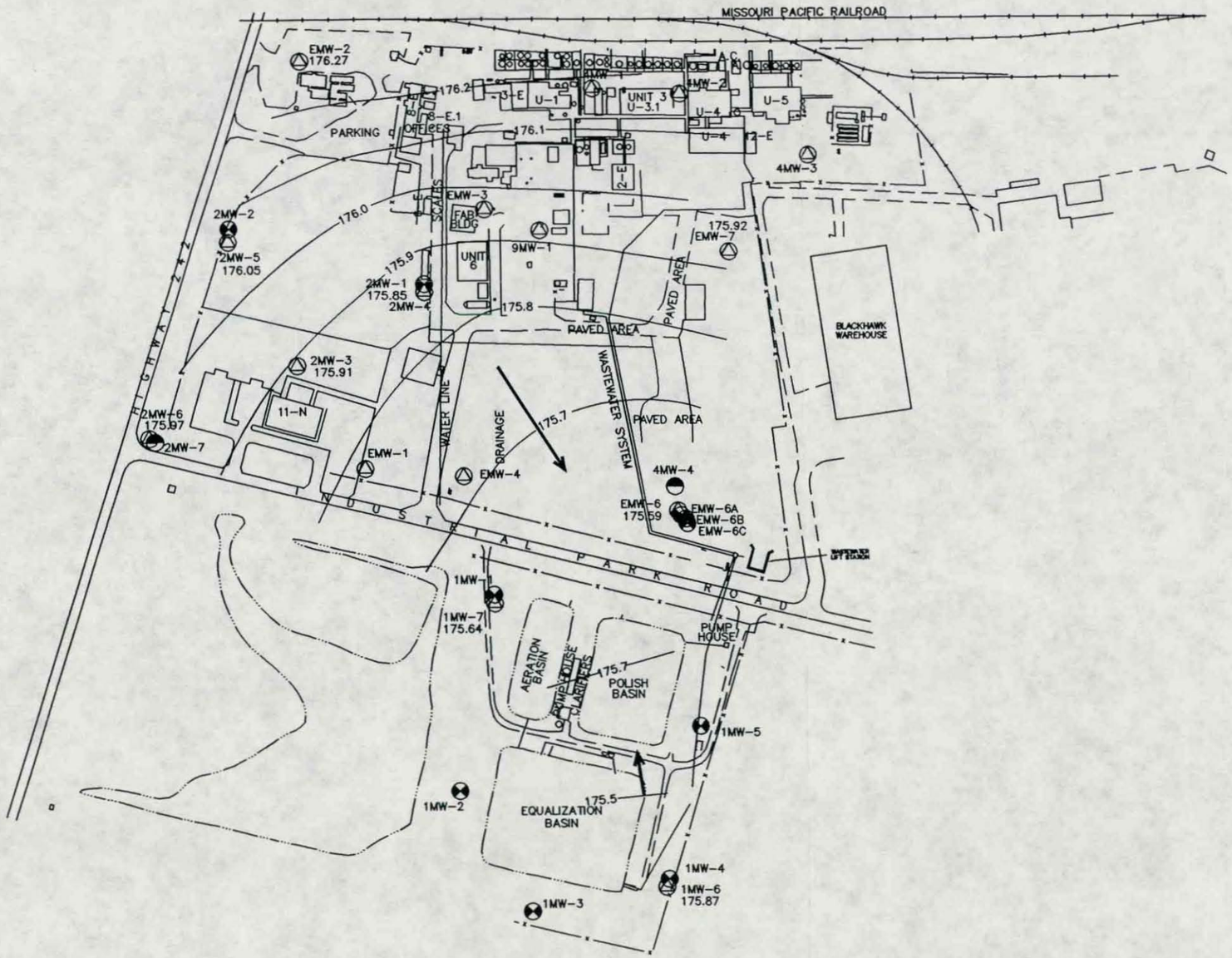
c = Well not surveyed.

d = Historically this well has produced high volumes of gases which interfere with the monitoring equipment preventing the collection of accurate readings.

msl = mean sea level

ppm = parts per million

bgs = below ground surface



LEGEND

- WATER OR DRAINAGE
- ROAD
- RAILROAD
- BUILDING
- FENCE
- SUBSURFACE PIPING (APPRPOX.)
- MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- 174.4 — POTENTIOMETRIC SURFACE CONTOURS (CONTOUR INTERVAL 0.1 FEET)
- GROUNDWATER FLOW DIRECTION

250 0 250

SCALE FEET

MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

ENSAFE

(800) 588-7962
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN
LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3
POTENTIOMETRIC SURFACE MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 | NAME: 2162013G003

3

3.0 RESULTS

Table 2 in this section summarizes the contaminants that were detected during the April 2001 groundwater sampling event. The validated laboratory report for the sampling event is provided in Appendix A.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

	Parameter	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6
Metals	**units = µg/L**												
	Arsenic								6.8	400	5.2		
Pesticides	**units = µg/L**												
	4,4'-DDT										**0.074**		
	Alpha-BHC			**0.041**	**0.088**								
	Endosulfan I												
	Endosulfan II									**0.088**			
	Endrin aldehyde										**0.10**		
	Endrin ketone												
	Methoxychlor									**0.13**			
SVOCs	**units = µg/L**												
	1,2-Dichlorobenzene								**45**	**57**	**51**		13
	1,4-Dichlorobenzene												
	2,4-Dichlorophenol												
	2-Chlorophenol												
	2-Methylphenol (o-Cresol)									28			
	3,4-Dichloroaniline								240	**100**	**170**	**4.0**	25
	4-Chloroaniline									66	8.0		
	4-Methylphenol (p-Cresol)									50			
	Benzoic acid				**8.0**	**7.0**	8.0						
	bis(2-Chloroethyl)ether									**100**			
	bis(2-Ethylhexyl)phthalate (BEHP)			**35**			**14**						
	Dinoseb								**19**			**18**	
	Isophorone												
	Naphthalene												
	Phenol												
	Propanil									5.0			
VOCs	**units = µg/L**												
	1,2-Dichlorobenzene								53	94	76	4.0	18
	1,2-Dichloroethane			3.0	540		850			550	850		**2.0**
	4-Methyl-2-Pentanone (MIBK)									290			
	Chlorobenzene									21	88		
	Chloroethane									68			
	Toluene									160			**5.0**

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

	Parameter	2MW-7	2MW-7 DUP	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1	EMW-1 DUP	EMW-2	EMW-3
Metals	**units = µg/L**										
	Arsenic	16.9	15.3	49.1		23.2					6.6
Pesticides	**units = µg/L**										
	4,4'-DDT										
	Alpha-BHC							0.045	0.047		
	Endosulfan I			**0.27**							
	Endosulfan II										
	Endrin aldehyde										
	Endrin ketone			**0.17**							
	Methoxychlor										
SVOCs	**units = µg/L**										
	1,2-Dichlorobenzene			280			**32**				**120**
	1,4-Dichlorobenzene			**11**							
	2,4-Dichlorophenol			11							
	2-Chlorophenol			30							
	2-Methylphenol (o-Cresol)			1200							
	3,4-Dichloroaniline			2400			59	**4.0**	**5.0**		420
	4-Chloroaniline			6500			**7.0**				50
	4-Methylphenol (p-Cresol)			660							
	Benzoic acid				**7.0**						8.0
	bis(2-Chloroethyl)ether			**7.4**							
	bis(2-Ethylhexyl)phthalate (BEHP)			**31**							
	Dinoseb				**57**			6.0	6.0	50	
	Isophorone			350		**12**					
	Naphthalene										3.0
	Phenol			230							
	Propanil			310							
VOCs	**units = µg/L**										
	1,2-Dichlorobenzene				17		37		0.1		74
	1,2-Dichloroethane				390	570	800	0.8	0.7	**0.3**	4800
	4-Methyl-2-Pentanone (MIBK)										
	Chlorobenzene					**15**					
	Chloroethane										
	Toluene			63000	**110**						

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

Table 2
Cedar Chemical
April 2001 Sampling Results
Hits Only

	Parameter	EMW-4	EMW-7	EPZ-5	OFFMW-1	OFFMW-2	OFFMW-3	OFFMW-4
Metals	**units = µg/L**							
	Arsenic							
Pesticides	**units = µg/L**							
	4,4'-DDT							
	Alpha-BHC							
	Endosulfan I							
	Endosulfan II							
	Endrin aldehyde							
	Endrin ketone							
	Methoxychlor							
SVOCs	**units = µg/L**							
	1,2-Dichlorobenzene	**21**						
	1,4-Dichlorobenzene							
	2,4-Dichlorophenol							
	2-Chlorophenol							
	2-Methylphenol (o-Cresol)							
	3,4-Dichloroaniline	**220**						
	4-Chloroaniline	310						
	4-Methylphenol (p-Cresol)							
	Benzoic acid	**8.0**						
	bis(2-Chloroethyl)ether						**12**	
	bis(2-Ethylhexyl)phthalate (BEHP)							
	Dinoseb			**180**				
	Isophorone							
	Naphthalene							
	Phenol							
	Propanil							
VOCs	**units = µg/L**							
	1,2-Dichlorobenzene	31						
	1,2-Dichloroethane	490	30000	2.0	990	10000	700	**250**
	4-Methyl-2-Pentanone (MIBK)							
	Chlorobenzene	**53**						
	Chloroethane							
	Toluene				**610**			

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

4

4.0 SUMMARY

As noted in Table 2, changes in contaminant concentrations have occurred in some of the monitoring wells since the last groundwater monitoring event. In addition, relatively low concentrations of compounds not previously encountered in some monitoring wells were detected. The most notable change was the increase in 1,2-Dichloroethane concentrations in the offsite monitoring wells and the decrease in that same compound in monitoring well EMW-7 located on the east side of the site near the property boundary with Blackhawk. Table 3 shows a comparison of the 1,2-Dichloroethane concentrations detected in this sampling event with the results from the July 1997 event.

Table 3
Comparison of 1,2-Dichloroethane Concentrations

Monitoring Well	1,2-Dichloroethane (μg/L)	
	July 1997	April 2001
EMW-7	91,000	30,000
OFFMW-1	540	990
OFFMW-2	3.4	10,000
OFFMW-3	150	700
OFFMW-4	Not Detected	250

In order to provide adequate, current data to develop corrective measures and prepare a comprehensive groundwater monitoring plan, Cedar will conduct another groundwater sampling event in July 2001 which will also include nearby agricultural wells that were not accessible during the April sampling event. The groundwater monitoring report for the July sampling event will provide a more detailed analysis and evaluation of the groundwater contamination and a groundwater monitoring plan that will be followed until final corrective measures are complete. The groundwater data will also be evaluated to determine if the changes in contaminant concentrations, and any new contaminants, have affected the COCs that were identified for groundwater in the risk assessment.

L:\CEDAR\April2001GWRpt.wpd

A

Appendix A

Analytical Data

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

ARSENIC													
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/19/01		04/19/01		04/19/01		04/19/01		04/19/01	
	DATE ANALYZED --->	04/20/01		04/20/01		04/20/01		04/20/01		04/20/01		04/20/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
7440-38-2	Arsenic	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

ARSENIC													
	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/19/01		04/13/01		04/13/01		04/19/01	
	DATE ANALYZED --->	04/20/01		04/20/01		04/20/01		04/20/01		04/20/01		04/20/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
7440-38-2	Arsenic	3.3	U	6.8		400.		5.2		3.3	U	3.3	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

ARSENIC	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-4		EMW-1		EMW-1 DUP	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000407		00EG000107		00EH000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/13/01		04/11/01		04/11/01	
	DATE EXTRACTED -->	04/19/01		04/19/01		04/19/01		04/19/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/20/01		04/20/01		04/20/01		04/20/01		04/20/01		04/20/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46232	VAL
7440-38-2	Arsenic	16.9		15.3		49.1		23.2		3.3	U	3.3	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

ARSENIC	SHORT ID -------->	EMW-3		EMW-4		EPZ-5				
	ORIGINAL ID ----->	00EG000307		00EG000407		PZEG000507				
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01				
	DATE EXTRACTED -->	04/13/01		04/13/01		04/13/01				
	DATE ANALYZED --->	04/20/01		04/20/01		04/20/01				
	MATRIX ---------->	Water		Water		Water				
	UNITS ---------->	UG/L		UG/L		UG/L				
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL			
7440-38-2	Arsenic	6.6		3.3	U	3.3	U			

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST													
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/14/01		04/13/01		04/13/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/27/01		04/27/01		04/27/01		04/27/01		04/27/01		04/27/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.054	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC	0.04	U	0.04	U	0.041		0.088		0.04	U	0.04	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST													
	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/16/01		04/13/01		04/13/01		04/16/01	
	DATE ANALYZED --->	04/27/01		04/27/01		04/27/01		04/27/01		04/27/01		04/27/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.062	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.057	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.088		0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.074		0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.13		0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.086	U	0.08	U	0.1		0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST																	
	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000307		004G000407		009G000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/11/01		04/13/01		04/12/01	
	DATE EXTRACTED -->	04/16/01		04/16/01		04/16/01		04/13/01		04/16/01		04/14/01	
	DATE ANALYZED --->	04/27/01		04/27/01		04/27/01		04/27/01		04/27/01		04/28/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.051	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.27		0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.36	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.27	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.17		0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.086	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST																	
	SHORT ID -------->	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7	
	ORIGINAL ID ----->	00EG000107		00EH000107		00EG000207		00EG000307		00EG000407		00EG000707	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/11/01		04/11/01		04/12/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/14/01		04/13/01		04/13/01		04/14/01	
	DATE ANALYZED --->	04/27/01		04/27/01		04/28/01		04/27/01		04/27/01		04/28/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.048	U	0.04	U	0.041	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.41	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.22	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.12	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.052	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC	0.045		0.047		0.04	U	0.04	U	0.09	U	0.04	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

PEST											
	SHORT ID -------->	OFFMW-1		OFFMW-2		OFFMW-3		OFFMW-4		EPZ-5	
	ORIGINAL ID ----->	OFFG000107		OFFG000207		OFFG000307		OFFG000407		PZEG000507	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/13/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/27/01		04/27/01		04/27/01		04/27/01		04/27/01	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.053	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
319-84-6	Alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA																	
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/14/01		04/13/01		04/13/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/17/01		04/18/01		04/17/01		04/17/01		04/17/01		04/17/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	8.		7.		8.	
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA																	
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/14/01		04/13/01		04/13/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/17/01		04/18/01		04/17/01		04/17/01		04/17/01		04/17/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	35.		10.	U	10.	U	14.	
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA															
	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/16/01		04/13/01		04/13/01		04/16/01	
	DATE ANALYZED --->	04/17/01		04/17/01		04/19/01		04/17/01		04/17/01		04/19/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	100.		10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	45.		57.		51.		10.	U	13.	
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	28.		10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	50.		10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	66.		8.		10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA													
	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/16/01		04/13/01		04/13/01		04/16/01	
	DATE ANALYZED --->	04/17/01		04/17/01		04/19/01		04/17/01		04/17/01		04/19/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	32.	U	10.	U	26.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	19.		10.	U	10.	U	18.		10.	U
709-98-8	Propanil	10.	U	10.	U	5.		10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	240.		100.		170.		4.		25.	

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000307		004G000407		009G000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/11/01		04/13/01		04/12/01	
	DATE EXTRACTED -->	04/16/01		04/16/01		04/16/01		04/13/01		04/16/01		04/14/01	
	DATE ANALYZED --->	04/19/01		04/19/01		04/19/01		04/17/01		04/19/01		04/19/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
108-95-2	Phenol	10.	U	10.	U	230.		10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	7.4		10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	30.		10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	11.		10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	280.		10.	U	10.	U	32.	
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	1200.		10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	660.		10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	350.		10.	U	12.		10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	7.		25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	11.		10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	6500.		10.	U	10.	U	7.	
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA															
	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000307		004G000407		009G000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/11/01		04/13/01		04/12/01	
	DATE EXTRACTED -->	04/16/01		04/16/01		04/16/01		04/13/01		04/16/01		04/14/01	
	DATE ANALYZED --->	04/19/01		04/19/01		04/19/01		04/17/01		04/19/01		04/19/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	75.	U	31.		10.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	57.		10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	310.		10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	2400.		10.	U	10.	U	59.	

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID -------->	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7	
	ORIGINAL ID ----->	00EG000107		00EH000107		00EG000207		00EG000307		00EG000407		00EG000707	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/11/01		04/11/01		04/12/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/14/01		04/13/01		04/13/01		04/14/01	
	DATE ANALYZED --->	04/17/01		04/17/01		04/18/01		04/17/01		04/17/01		04/18/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	120.		21.		10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	8.		8.		25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	3.		10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	50.		310.		10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA															
	SHORT ID -------->	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7	
	ORIGINAL ID ----->	00EG000107		00EH000107		00EG000207		00EG000307		00EG000407		00EG000707	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/11/01		04/11/01		04/12/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/14/01		04/13/01		04/13/01		04/14/01	
	DATE ANALYZED --->	04/17/01		04/17/01		04/18/01		04/17/01		04/17/01		04/18/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	40.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	6.		6.		50.		10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	4.		5.		10.	U	420.		220.		10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA	SHORT ID -------->	OFFMW-1		OFFMW-2		OFFMW-3		OFFMW-4		EPZ-5	
	ORIGINAL ID ----->	OFFG000107		OFFG000207		OFFG000307		OFFG000407		PZEG000507	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/12/01		04/11/01	
	DATE EXTRACTED -->	04/13/01		04/13/01		04/13/01		04/13/01		04/13/01	
	DATE ANALYZED --->	04/17/01		04/17/01		04/17/01		04/17/01		04/17/01	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	12.		10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	bis(2-Chloroisopropyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

SVOA													
	SHORT ID -------->	OFFMW-1		OFFMW-2		OFFMW-3		OFFMW-4		EPZ-5			
	ORIGINAL ID ----->	OFFG000107		OFFG000207		OFFG000307		OFFG000407		PZEG000507			
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/12/01		04/11/01			
	DATE EXTRACTED -->	04/13/01		04/13/01		04/13/01		04/13/01		04/13/01			
	DATE ANALYZED --->	04/17/01		04/17/01		04/17/01		04/17/01		04/17/01			
	MATRIX ---------->	Water		Water		Water		Water		Water			
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L			
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL		
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U		
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U		
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U		
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U		
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U		
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U		
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U		
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U		
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U		
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U		
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U		
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U		
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U		
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U		
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U		
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U		
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U		
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U		
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U		
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U		
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U		
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U		
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U		
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U		
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U		
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U		
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U		
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	180.			
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U		
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U		

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA													
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE ANALYZED --->	04/19/01		04/24/01		04/23/01		04/17/01		04/23/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
74-87-3	Chloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-01-4	Vinyl chloride	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
74-83-9	Bromomethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-00-3	Chloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
67-64-1	Acetone	5.	U	6.	U	5.	U	120.	U	5.	U	250.	U
75-15-0	Carbon disulfide	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-09-2	Methylene chloride	2.	U	2.	U	2.	U	50.	U	2.	U	100.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-05-4	Vinyl acetate	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
67-66-3	Chloroform	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
71-43-2	Benzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	3.		540.		1.	U	850.	
79-01-6	Trichloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
74-95-3	Methylene bromide	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
108-88-3	Toluene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
591-78-6	2-Hexanone	5.	U	5.	U	5.	U	120.	U	5.	U	250.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
108-90-7	Chlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
100-41-4	Ethylbenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
1330-20-7	Xylene (total)	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
100-42-5	Styrene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
75-25-2	Bromoform	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA													
	SHORT ID -------->	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6	
	ORIGINAL ID ----->	001G000107		001G000207		001G000307		001G000407		001G000507		001G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/11/01		04/11/01		04/12/01		04/11/01	
	DATE ANALYZED --->	04/19/01		04/24/01		04/23/01		04/17/01		04/23/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
108-86-1	Bromobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	1.	U	25.	U	1.	U	50.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA															
	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE ANALYZED --->	04/23/01		04/18/01		04/24/01		04/19/01		04/19/01		04/24/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
74-87-3	Chloromethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-01-4	Vinyl chloride	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
74-83-9	Bromomethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-00-3	Chloroethane	1.	U	2.	U	68.		25.	U	1.	U	1.	U
75-69-4	Trichlorofluoromethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-35-4	1,1-Dichloroethene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
67-64-1	Acetone	5.	U	10.	U	120.	U	230.	U	23.	U	13.	U
75-15-0	Carbon disulfide	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-09-2	Methylene chloride	2.	U	5.	U	50.	U	84.	U	3.	U	2.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-34-3	1,1-Dichloroethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
108-05-4	Vinyl acetate	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
78-93-3	2-Butanone (MEK)	5.	U	10.	U	120.	U	120.	U	5.	U	5.	U
74-97-5	Chlorobromomethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
67-66-3	Chloroform	1.	U	0.3	U	25.	U	25.	U	1.	U	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
56-23-5	Carbon tetrachloride	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
71-43-2	Benzene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
107-06-2	1,2-Dichloroethane	1.	U	2.	U	550.		850.		1.	U	2.	
79-01-6	Trichloroethene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
78-87-5	1,2-Dichloropropane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
74-95-3	Methylene bromide	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-27-4	Bromodichloromethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
110-75-8	2-Chloroethylvinylether	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	10.	U	290.		120.	U	5.	U	5.	U
108-88-3	Toluene	1.	U	2.	U	160.		25.	U	1.	U	5.	
10061-02-6	trans-1,3-Dichloropropene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
106-93-4	1,2-Dibromoethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
127-18-4	Tetrachloroethene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
591-78-6	2-Hexanone	5.	U	10.	U	120.	U	120.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
108-90-7	Chlorobenzene	1.	U	2.	U	21.		88.		1.	U	1.	U
100-41-4	Ethylbenzene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
1330-20-7	Xylene (total)	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
100-42-5	Styrene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
75-25-2	Bromoform	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID -------->	1MW-7		2MW-2		2MW-3		2MW-4		2MW-5		2MW-6	
	ORIGINAL ID ----->	001G000707		002G000207		002G000307		002G000407		002G000507		002G000607	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/13/01		04/11/01		04/11/01		04/13/01	
	DATE ANALYZED --->	04/23/01		04/18/01		04/24/01		04/19/01		04/19/01		04/24/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-86-1	Bromobenzene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U	2.	U	25.	U	25.	U	1.	U	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U	53.		94.		76.		4.		18.	

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000307		004G000407		009G000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/11/01		04/13/01		04/12/01	
	DATE ANALYZED --->	04/23/01		04/23/01		04/24/01		04/19/01		04/23/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
74-87-3	Chloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-01-4	Vinyl chloride	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
74-83-9	Bromomethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-00-3	Chloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
67-64-1	Acetone	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
75-15-0	Carbon disulfide	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-09-2	Methylene chloride	2.	U	2.	U	5000.	U	42.	U	50.	U	100.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-05-4	Vinyl acetate	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
67-66-3	Chloroform	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
71-43-2	Benzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	2500.	U	390.		570.		800.	
79-01-6	Trichloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
74-95-3	Methylene bromide	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
108-88-3	Toluene	1.	U	1.	U	63000.		110.		25.	U	50.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
591-78-6	2-Hexanone	5.	U	5.	U	12000.	U	100.	U	120.	U	250.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
108-90-7	Chlorobenzene	1.	U	1.	U	2500.	U	20.	U	15.		50.	U
100-41-4	Ethylbenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
1330-20-7	Xylene (total)	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
100-42-5	Styrene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
75-25-2	Bromoform	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA													
	SHORT ID -------->	2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	ORIGINAL ID ----->	002G000707		002H000707		004G000107		004G000307		004G000407		009G000107	
	SAMPLE DATE ----->	04/13/01		04/13/01		04/13/01		04/11/01		04/13/01		04/12/01	
	DATE ANALYZED --->	04/23/01		04/23/01		04/24/01		04/19/01		04/23/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46237	VAL	46237	VAL	46237	VAL	46232	VAL	46237	VAL	46237	VAL
108-86-1	Bromobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	2500.	U	20.	U	25.	U	50.	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	2500.	U	17.		25.	U	37.	

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID -------->	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7	
	ORIGINAL ID ----->	00EG000107		00EH000107		00EG000207		00EG000307		00EG000407		00EG000707	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/11/01		04/11/01		04/12/01	
	DATE ANALYZED --->	04/19/01		04/23/01		04/23/01		04/23/01		04/21/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
74-87-3	Chloromethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-01-4	Vinyl chloride	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
74-83-9	Bromomethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-00-3	Chloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
67-64-1	Acetone	5.	U	5.	U	5.	U	1000.	U	120.	U	2500.	U
75-15-0	Carbon disulfide	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-09-2	Methylene chloride	2.	U	2.	U	1.	U	400.	U	50.	U	1000.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
108-05-4	Vinyl acetate	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	5.	U	1000.	U	120.	U	2500.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
67-66-3	Chloroform	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
71-43-2	Benzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
107-06-2	1,2-Dichloroethane	0.8		0.7		0.3		4800.		490.		30000.	
79-01-6	Trichloroethene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
74-95-3	Methylene bromide	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	5.	U	1000.	U	120.	U	2500.	U
108-88-3	Toluene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
591-78-6	2-Hexanone	5.	U	5.	U	5.	U	1000.	U	120.	U	2500.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
108-90-7	Chlorobenzene	1.	U	1.	U	1.	U	200.	U	53.		500.	U
100-41-4	Ethylbenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
1330-20-7	Xylene (total)	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
100-42-5	Styrene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
75-25-2	Bromoform	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA													
	SHORT ID -------->	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7	
	ORIGINAL ID ----->	00EG000107		00EH000107		00EG000207		00EG000307		00EG000407		00EG000707	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/11/01		04/11/01		04/12/01	
	DATE ANALYZED --->	04/19/01		04/23/01		04/23/01		04/23/01		04/21/01		04/23/01	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46237	VAL	46232	VAL	46232	VAL	46237	VAL
108-86-1	Bromobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.	U	200.	U	25.	U	500.	U
95-50-1	1,2-Dichlorobenzene	1.	U	0.1		1.	U	74.		31.		500.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA													
	SHORT ID -------->	OFFMW-1		OFFMW-2		OFFMW-3		OFFMW-4		EPZ-5			
	ORIGINAL ID ----->	OFFG000107		OFFG000207		OFFG000307		OFFG000407		PZEG000507			
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/12/01		04/11/01			
	DATE ANALYZED --->	04/18/01		04/18/01		04/23/01		04/23/01		04/19/01			
	MATRIX ---------->	Water		Water		Water		Water		Water			
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L			
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL		
74-87-3	Chloromethane	50.	U	250.	U	25.	U	10.	U	1.	U		
75-01-4	Vinyl chloride	50.	U	250.	U	25.	U	10.	U	1.	U		
74-83-9	Bromomethane	50.	U	250.	U	25.	U	10.	U	1.	U		
75-00-3	Chloroethane	50.	U	250.	U	25.	U	10.	U	1.	U		
75-69-4	Trichlorofluoromethane	50.	U	250.	U	25.	U	10.	U	1.	U		
75-35-4	1,1-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U		
67-64-1	Acetone	250.	U	1200.	U	120.	U	50.	U	6.	U		
75-15-0	Carbon disulfide	50.	U	250.	U	25.	U	10.	U	1.	U		
75-09-2	Methylene chloride	100.	U	1400.	U	50.	U	20.	U	3.	U		
156-60-5	trans-1,2-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U		
75-34-3	1,1-Dichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U		
108-05-4	Vinyl acetate	50.	U	250.	U	25.	U	10.	U	1.	U		
156-59-2	cis-1,2-Dichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U		
78-93-3	2-Butanone (MEK)	250.	U	1200.	U	120.	U	50.	U	5.	U		
74-97-5	Chlorobromomethane	50.	U	250.	U	25.	U	10.	U	1.	U		
67-66-3	Chloroform	50.	U	250.	U	25.	U	10.	U	1.	U		
71-55-6	1,1,1-Trichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U		
56-23-5	Carbon tetrachloride	50.	U	250.	U	25.	U	10.	U	1.	U		
71-43-2	Benzene	50.	U	250.	U	25.	U	10.	U	1.	U		
107-06-2	1,2-Dichloroethane	990.		10000.		700.		250.		2.			
79-01-6	Trichloroethene	50.	U	250.	U	25.	U	10.	U	1.	U		
78-87-5	1,2-Dichloropropane	50.	U	250.	U	25.	U	10.	U	1.	U		
74-95-3	Methylene bromide	50.	U	250.	U	25.	U	10.	U	1.	U		
75-27-4	Bromodichloromethane	50.	U	250.	U	25.	U	10.	U	1.	U		
110-75-8	2-Chloroethylvinylether	50.	U	250.	U	25.	U	10.	U	1.	U		
10061-01-5	cis-1,3-Dichloropropene	50.	U	250.	U	25.	U	10.	U	1.	U		
108-10-1	4-Methyl-2-Pentanone (MIBK)	250.	U	1200.	U	120.	U	50.	U	5.	U		
108-88-3	Toluene	610.		250.	U	25.	U	10.	U	1.	U		
10061-02-6	trans-1,3-Dichloropropene	50.	U	250.	U	25.	U	10.	U	1.	U		
79-00-5	1,1,2-Trichloroethane	50.	U	250.	U	25.	U	10.	U	1.	U		
106-93-4	1,2-Dibromoethane	50.	U	250.	U	25.	U	10.	U	1.	U		
127-18-4	Tetrachloroethene	50.	U	250.	U	25.	U	10.	U	1.	U		
591-78-6	2-Hexanone	250.	U	1200.	U	120.	U	50.	U	5.	U		
124-48-1	Dibromochloromethane	50.	U	250.	U	25.	U	10.	U	1.	U		
108-90-7	Chlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U		
100-41-4	Ethylbenzene	50.	U	250.	U	25.	U	10.	U	1.	U		
1330-20-7	Xylene (total)	50.	U	250.	U	25.	U	10.	U	1.	U		
100-42-5	Styrene	50.	U	250.	U	25.	U	10.	U	1.	U		
75-25-2	Bromoform	50.	U	250.	U	25.	U	10.	U	1.	U		

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT APRIL 2001

VOA	SHORT ID -------->	OFFMW-1		OFFMW-2		OFFMW-3		OFFMW-4		EPZ-5	
	ORIGINAL ID ----->	OFFG000107		OFFG000207		OFFG000307		OFFG000407		PZEG000507	
	SAMPLE DATE ----->	04/11/01		04/11/01		04/12/01		04/12/01		04/11/01	
	DATE ANALYZED --->	04/18/01		04/18/01		04/23/01		04/23/01		04/19/01	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	46232	VAL	46232	VAL	46232	VAL	46232	VAL	46232	VAL
108-86-1	Bromobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	U	250.	U	25.	U	10.	U	1.	U
541-73-1	1,3-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
106-46-7	1,4-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U
95-50-1	1,2-Dichlorobenzene	50.	U	250.	U	25.	U	10.	U	1.	U

*** Validation Complete ***