State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

November 30, 1999

Mr. Larry Cooper
Aldrich Chemical Company
1001 West St. Paul Avenue
Milwaukee, WI 53233

Subject: Final Closure for Aldrich Chemical (a.k.a. American Can Corp.), 6000 N. Teutonia Ave., Milwaukee, WI FID: 241014730, BRRTS: 03-41-000876.

Dear Mr. Cooper:

This letter acknowledges the receipt of the groundwater well abandonment forms and a filed copy of the groundwater use restriction for the above-named site faxed on 11/30/99. The site is in compliance with ch. NR 726 and is considered officially closed and is tracked as such on the Department's tracking system. However, the case may be reopened pursuant to S. NR 726.09, Wis. Admin. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment programs assistant Brenda Brown (263-8680) at the above address.

Sincerely,

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Richard Frendt, Parsons Engineering
WDNR SER Files

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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July 28, 1999

Mr. Larry Cooper
Aldrich Chemical Co.
1001 W. St. Paul Ave.
Milwaukee, WI 53233

FID 241014730
BRRTS 0341000876

Subject: Closure request for Aldrich Chemical (a.k.a. American Can Corp.) located at 6000 N. Teutonia Ave., Milwaukee, WI

Dear Mr. Cooper:

The Department has reviewed your most recent submittal, dated April 26, 1999, and any additional information pertaining to this site. This case was presented to the natural attenuation peer review committee on July 27, 1999. The Department concurs with your consultant that no further investigative or remedial action is necessary at this time. All Monitoring wells must be abandoned within 60 days in accordance to ch. NR 141.25, WI Adm. Code (WAC).

Since there is groundwater contamination remaining on-site above the NR 140, WAC, enforcement standards, the Department is requiring a groundwater use restriction for closure. Please include with the groundwater use restriction appropriate maps and tables depicting monitoring well locations and concentrations and types of contaminates. Interim guidance on institutional controls may be found on the DNR's web site (http://www.dnr.state.wi.us) by searching "RR PDF Documents" or by calling the publication request line at (608)264-6009. If the soils in the vicinity of the separator tank (near MW-01D) are disturbed in the future for any reason they must be handled and disposed of correctly due to residual soil contamination.

After the Departmental approval of the draft groundwater use restriction, receipt of a copy of the recorded groundwater use restriction, and receipt of monitoring well abandonment documentation, this site will be in compliance with NR 726, WAC, and will be considered closed and tracked as such on the Department's tracking system. *However, the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare of the environment.*

For expedient processing, please send all correspondence to Brenda Brown-RR Program Assistant at the above address. Please include that I, Michelle McGee, am the current reviewer of this case. If you have any questions or comments I can be reached at the above address or at (414) 263-8644.

Sincerely,

Michelle M. McGee

Michelle M. McGee
Hydrogeologist
Remediation and Redevelopment Program

Cc: Richard Frendt, Parsons Engineering Science
SER case file

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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July 28, 1999

Mr. Larry Cooper
Aldrich Chemical Co.
1001 W. St. Paul Ave.
Milwaukee, WI 53233

FID 241014730
BRRTS 0341000876

Subject: ES Exemptions for welfare parameters, Aldrich Chemical (a.k.a. American Can Corp.) located at 6000 N. Teutonia Ave., Milwaukee, WI

Dear Mr. Cooper:

The Department is granting a NR 140, WI Adm. Code (WAC) enforcement standard (ES) exemption for the sulfate welfare parameter per NR 140.28 (4), WAC. This exemption is only for the Sulfate welfare parameter. This determination is based on high sulfate concentrations in the up-gradient well and the fairly consistent sulfate concentrations across the site.

A groundwater use restriction is still required for the Trichloroethene and the cis- and trans-1,2-dichloropropane contamination remaining on-site above the NR 140, WAC, enforcement standards. Interim guidance on institutional controls may be found on the DNR's web site (http://www.dnr.state.wi.us) by searching "RR PDF Documents" or by calling the publication request line at (608)264-6009.

For expedient processing, please send all correspondence to Brenda Brown-RR Program Assistant at the above address. If you have any questions or comments I can be reached at the above address or at (414) 263-8644.

Sincerely,

Michelle M. McGee

Michelle M. McGee
Hydrogeologist
Remediation and Redevelopment Program

Cc: Richard Frendt, Parsons Engineering Science
Sharon Schaver, DNR
SER case file

Document Number

GROUNDWATER USE RESTRICTION

Document Title

REGISTER OF DEEDS
WALTER R. BARCZAK
11-24-1999 1:50 PM

7840592 RESTRICTIONS 18.0

0

RECORDING FEE: 18.00

TOTAL: 18.00

CHECK: 18.00

PHONE # 278-4005
024525

Recording Area

Name and Return Address

Mr. Larry Cooper
Aldrich Chemical Company
1001 West Saint Paul Avenue
Milwaukee, WI 53233

159-9999-112

Parcel Identification Number (PIN)

Legal Description

Property in the City of Milwaukee, Milwaukee County, Wisconsin, as set forth in the attached Exhibit 1.

Declaration of Restrictions

STATE OF WISCONSIN)
) SS
COUNTY OF MILWAUKEE)

WHEREAS, Aldrich Chemical Company, Inc. is the owner of the above property described in Exhibit 1.

WHEREAS, one or more discharges have occurred at this property and the following substances have been detected in groundwater above Ch. NR 140 Wis. Adm. Code enforcement standards on the property: (i) trichloroethene at concentrations ranging from 16 ppb To 38 ppb at DM1, DM12 and DM16; (ii) cis-1,2-dichloropropene at concentrations ranging from 4.4 ppb to 18 ppb at DM14, DM16 and the sump; and (iii) trans-1,2-dichloropropene at concentrations ranging from 3.5 ppb to 4.6 ppb at DM16 and DM19. See Exhibit 2.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional groundwater remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. 809 Wis. Adm. Code is restricted by ch. NR 811, Wis. Adm. Code and ch. NR 812 Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described in Exhibit 1 is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

> Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources Bureau of Drinking Water and Groundwater, or its successor agency, to determine whether specific requirements are applicable and to obtain Department approval, prior to constructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.
>
> If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater

Document Number	GROUNDWATER USE RESTRICTION Document Title

Recording Area

Name and Return Address

Mr. Larry Cooper
Aldrich Chemical Company
1001 West Saint Paul Avenue
Milwaukee, WI 53233

159-9999-112

Parcel Identification Number (PIN)

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>
> If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater

use restriction is in effect, the groundwater shall be sampled and analyted for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit with a copy of the Department's written determination can be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 15th day of November, 1999.

Signature: Jai Pra

Printed Name: Jai P. Nagarkatti

Subscribed and sworn to before me

this 15th day of November, 1999

Susan E. Lapke Susan E. Lapke,

Notary Public, State of Wisconsin

My commission expires: July 21, 2002

This document was drafted by the Wisconsin Department of Natural Resources

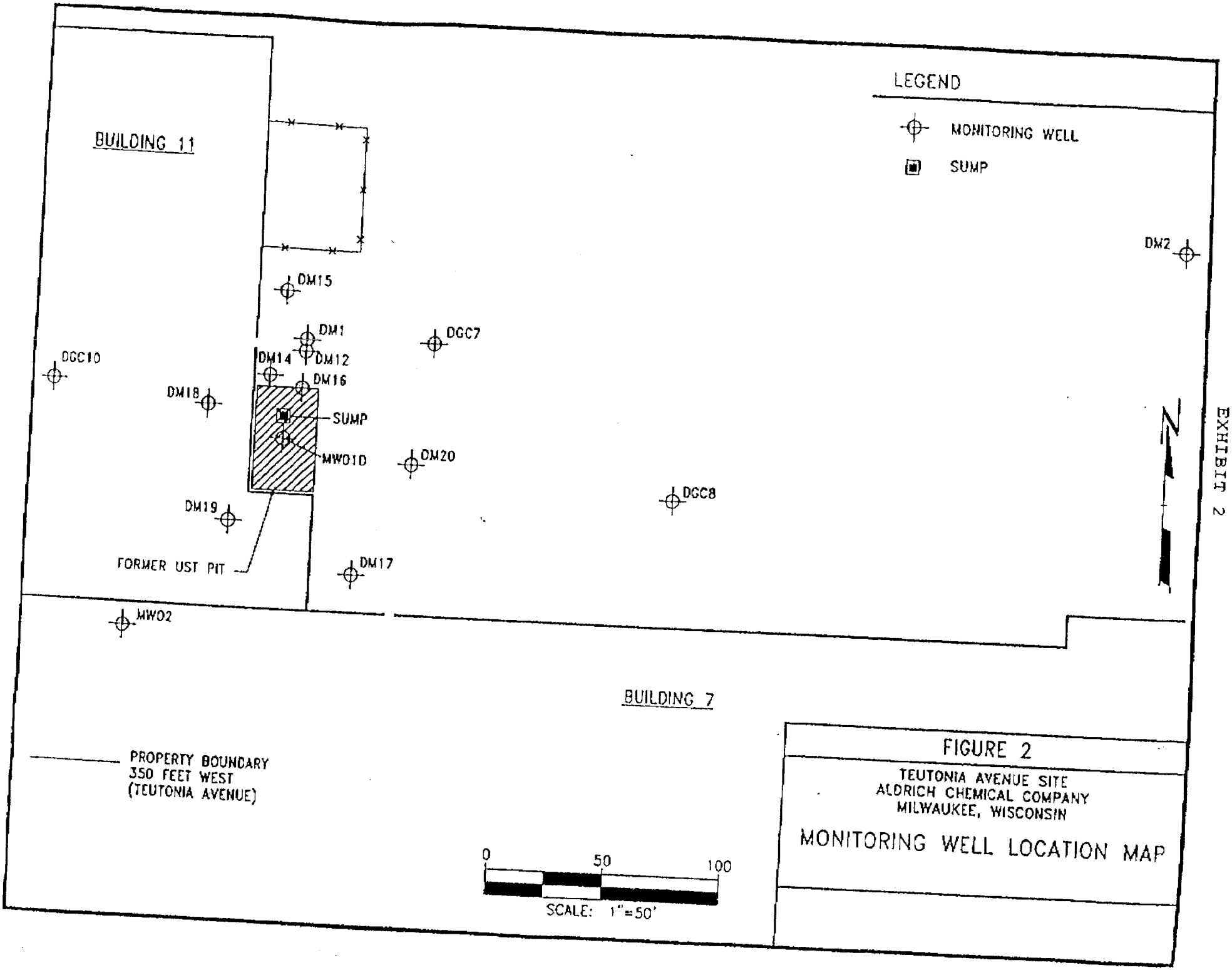


FIGURE 2

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

MONITORING WELL LOCATION MAP

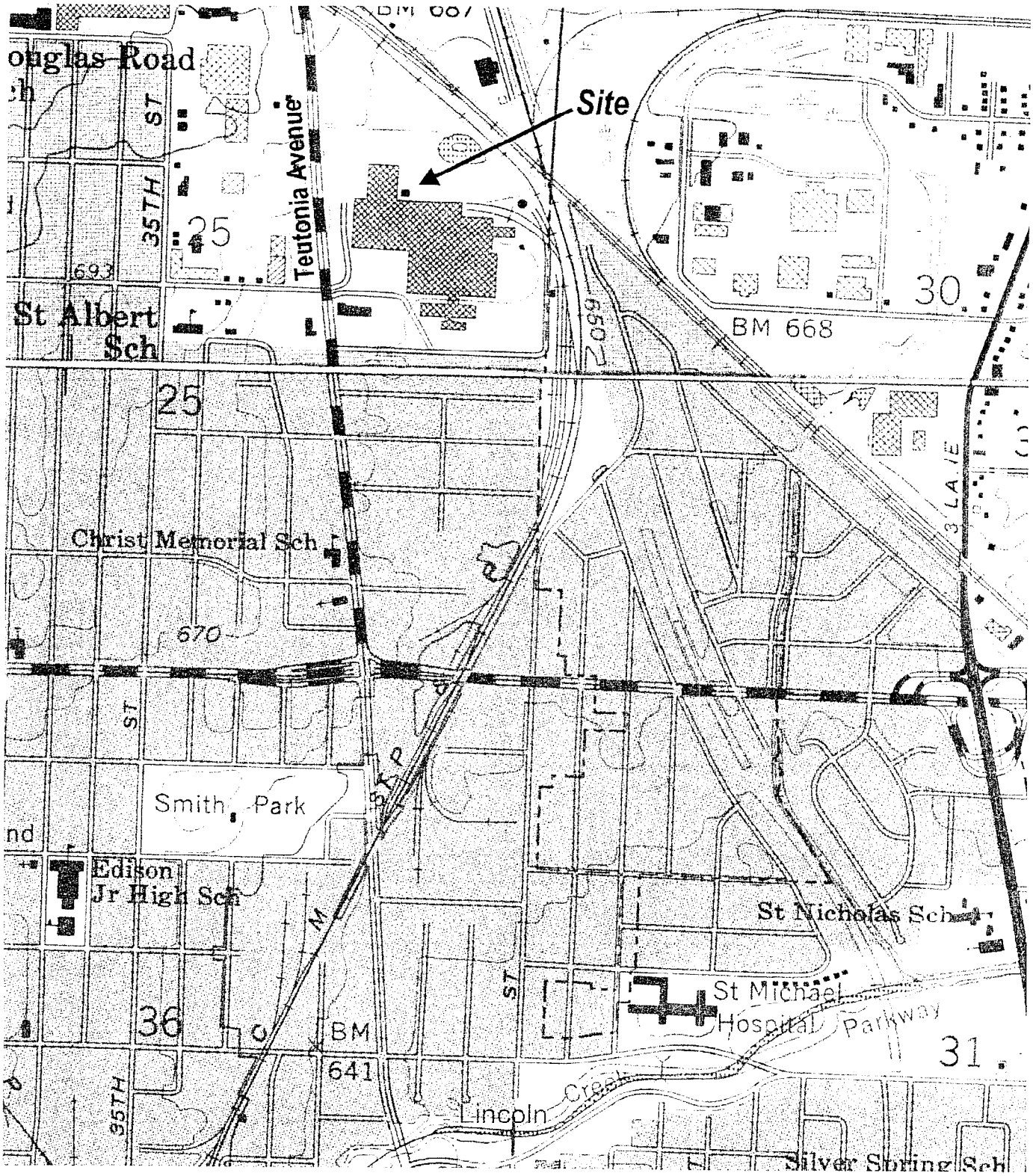
EXHIBIT 2

EXHIBIT 1

That part of the Northeast 1/4 and the Southeast 1/4 of Section 25, Township 8 North, Range 21 East, in the City of Milwaukee, and the Northwest 1/4 and the Southwest 1/4 of Section 30, Township 8 North, Range 22 East, in the City of Glendale, all in Milwaukee County, Wisconsin, bounded and described as follows:

Commencing at the intersection of the center line of North Teutonia Avenue (as now laid out) with the South line of said Northeast 1/4 of Section 25, said intersection being South 89 degrees, 29 minutes, 40 seconds West and measured along said South line of said Northeast 1/4, 1558.84 feet from the Southeast corner of said Northeast 1/4; running thence North 08 degrees, 14 minutes, 40 seconds West along the center line of said North Teutonia Avenue, 1295.11 feet to a point, said point being 1401.20 feet, South 08 degrees, 14 minutes, 40 seconds East measured along the center line of North Teutonia Avenue from the North line of said Northeast 1/4 of Section 25; thence North 89 degrees, 40 minutes, 05 seconds East, 98.60 feet to the point of beginning of the land to be described; continuing thence South 89 degrees, 56 minutes, 34 seconds East, 1,022.07 feet to a point on the Southwesterly line of the Chicago North Western Transportation Company, thence South 48 degrees, 52 minutes, 45 seconds East along said line 665.00 feet to a point; thence South 18 degrees 45 minutes, 00 seconds East 381.29 feet to a point on the East line of the Northeast 1/4 of Section 25; thence North 00 degrees, 03 minutes, 20 seconds West along said line 53.04 feet to a point; thence South 18 degrees, 45 minutes, 00 seconds East, 114.11 feet to a point; thence Southeasterly 1957.06 feet along the arc of a curve whose center lies to the West, whose radius is 2831.93 feet and whose chord bears South 01 degree, 05 minutes, 31 seconds West, 1918.34 feet to a point on the East line of the Southeast 1/4 of Section 25 (also the East line of North Gardens); thence North 00 degrees, 00 minutes, 53 seconds East along said line 1075.94 feet

to the Northeast corner of said subdivision; thence South 89 degrees, 27 minutes, 25 seconds West along the North line of said subdivision 1212.33 feet to a point; thence North 00 degrees, 00 minutes, 53 seconds East, 6.45 feet to a point; thence South 89 degrees, 27 minutes, 25 seconds West 228.98 feet to a point on the East line of North Teutonia Avenue; thence North 08 degrees, 53 minutes, 59 seconds West along said line 71.89 feet to a point; thence North 89 degrees 27 minutes, 25 seconds East, 444.96 feet to a point; thence North 00 degrees, 02 minutes, 35 seconds West, 303.64 feet to a point; thence North 88 degrees, 51 minutes, 14 seconds West, 494.56 feet to a point on the East line of North Teutonia Avenue; thence North 08 degrees, 55 minutes, 00 seconds West along said line 33.63 feet to a point; thence North 08 degrees, 13 minutes, 26 seconds West along said line 401.13 feet to a point; thence North 05 degrees, 20 minutes, 43 seconds West along said line, 130.46 feet to a point; thence North 05 degrees, 13 minutes, 46 seconds West along said line, 757.95 feet to the point of beginning.



N

1000 0 1000

SCALE IN FEET

PARSONS ES

Figure 1
SITE LOCATION MAP

Teutonia Avenue Site
Aldrich Chemical Company
Milwaukee, Wisconsin

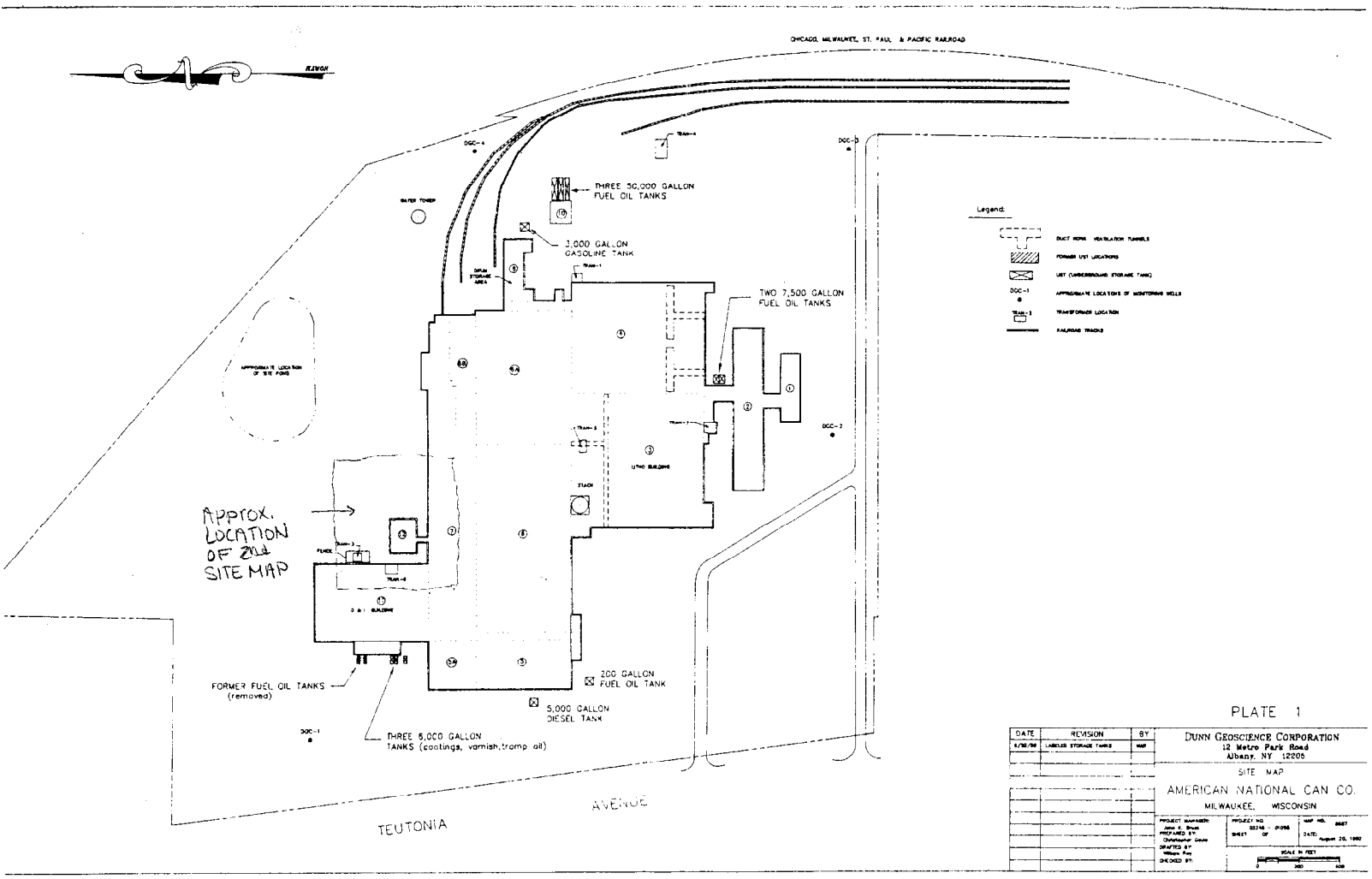


PLATE 1

DATE	REVISION	BY
8/20/90	LABELED STORAGE TANKS	MAP

DUNN GEOSCIENCE CORPORATION
12 Metro Park Road
Albany, NY 12205

SITE MAP

AMERICAN NATIONAL CAN CO.
MILWAUKEE, WISCONSIN

PROJECT MANAGER: John E. Brush
PREPARED BY: Christopher Davis
DRAFTED BY: William Ray
CHECKED BY:

PROJECT NO. 02246 - 01096
SHEET OF
MAP NO. 8687
DATE: August 20, 1990

SCALE IN FEET
0 200 400

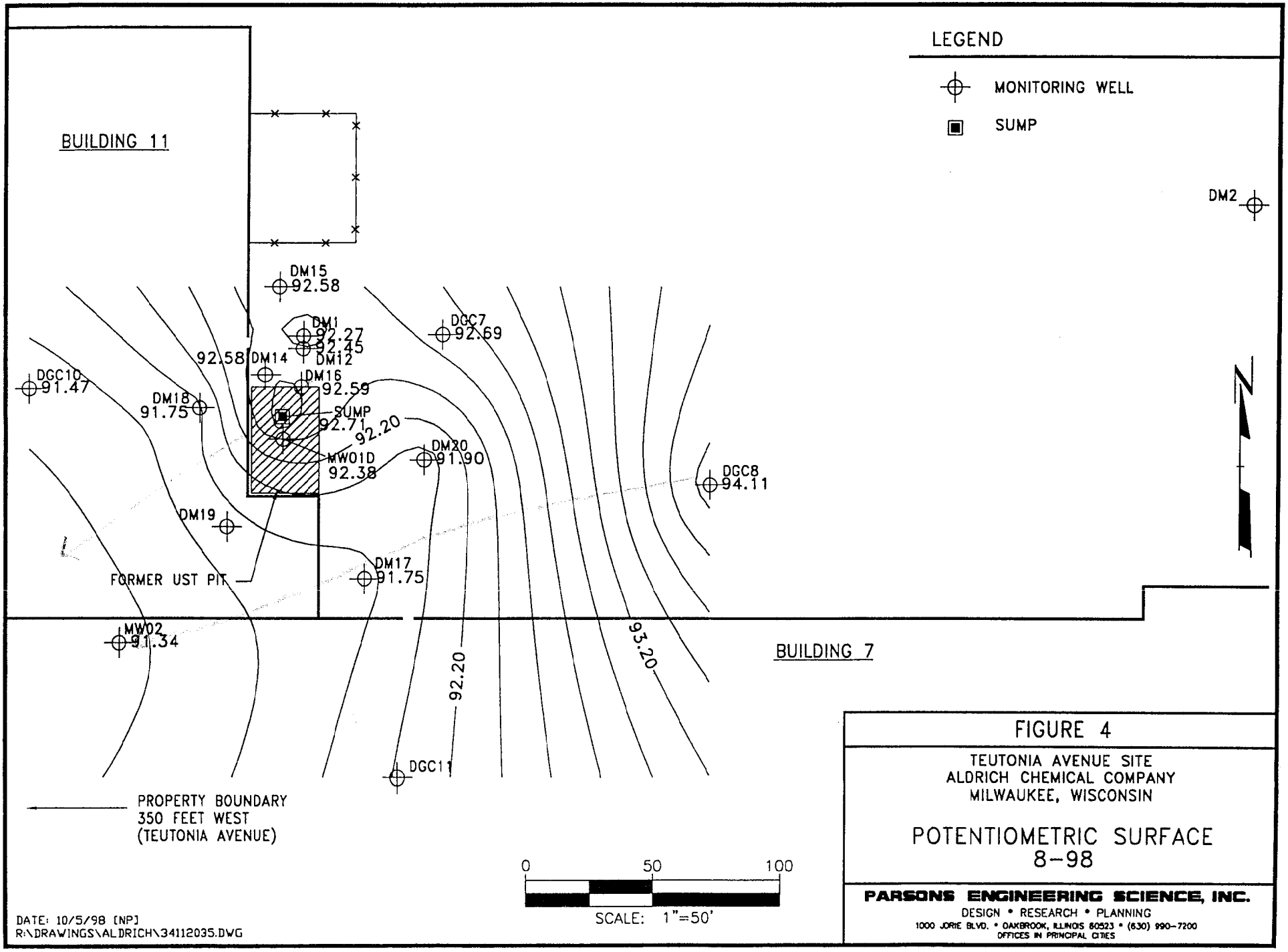


FIGURE 4

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

POTENTIOMETRIC SURFACE
8-98

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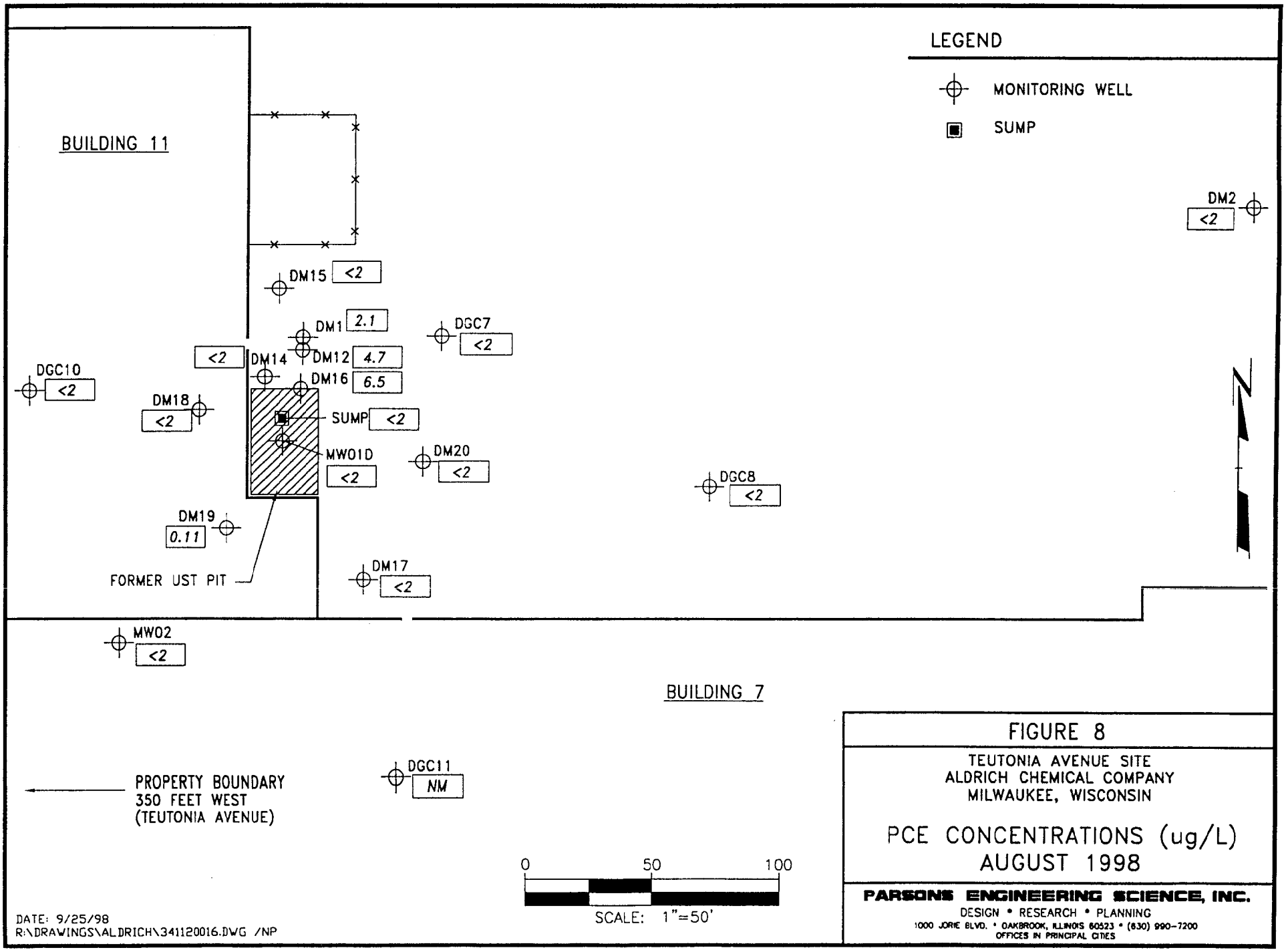

FIGURE 8

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

PCE CONCENTRATIONS (ug/L)
AUGUST 1998

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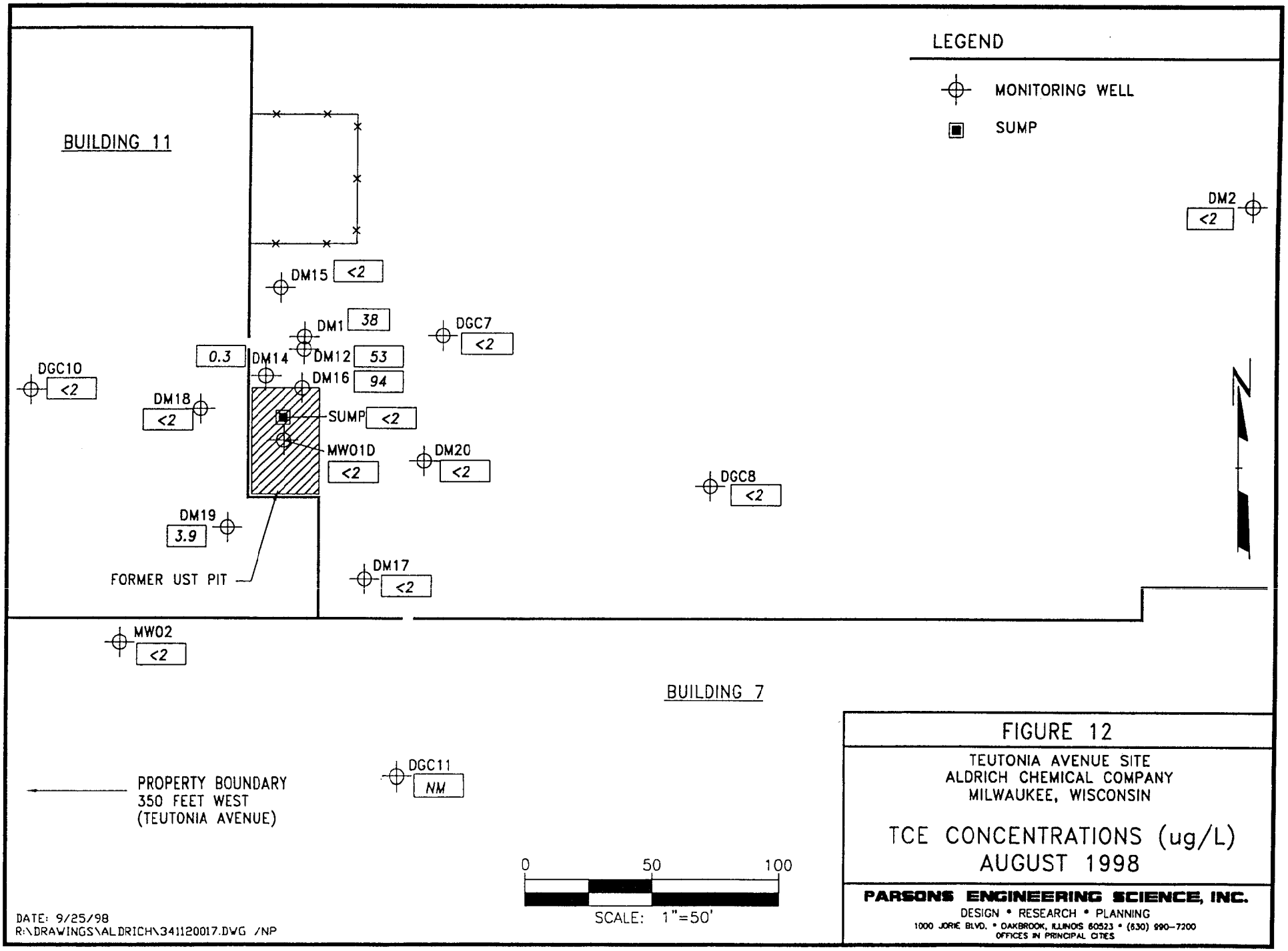

FIGURE 12

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

TCE CONCENTRATIONS (ug/L)
AUGUST 1998

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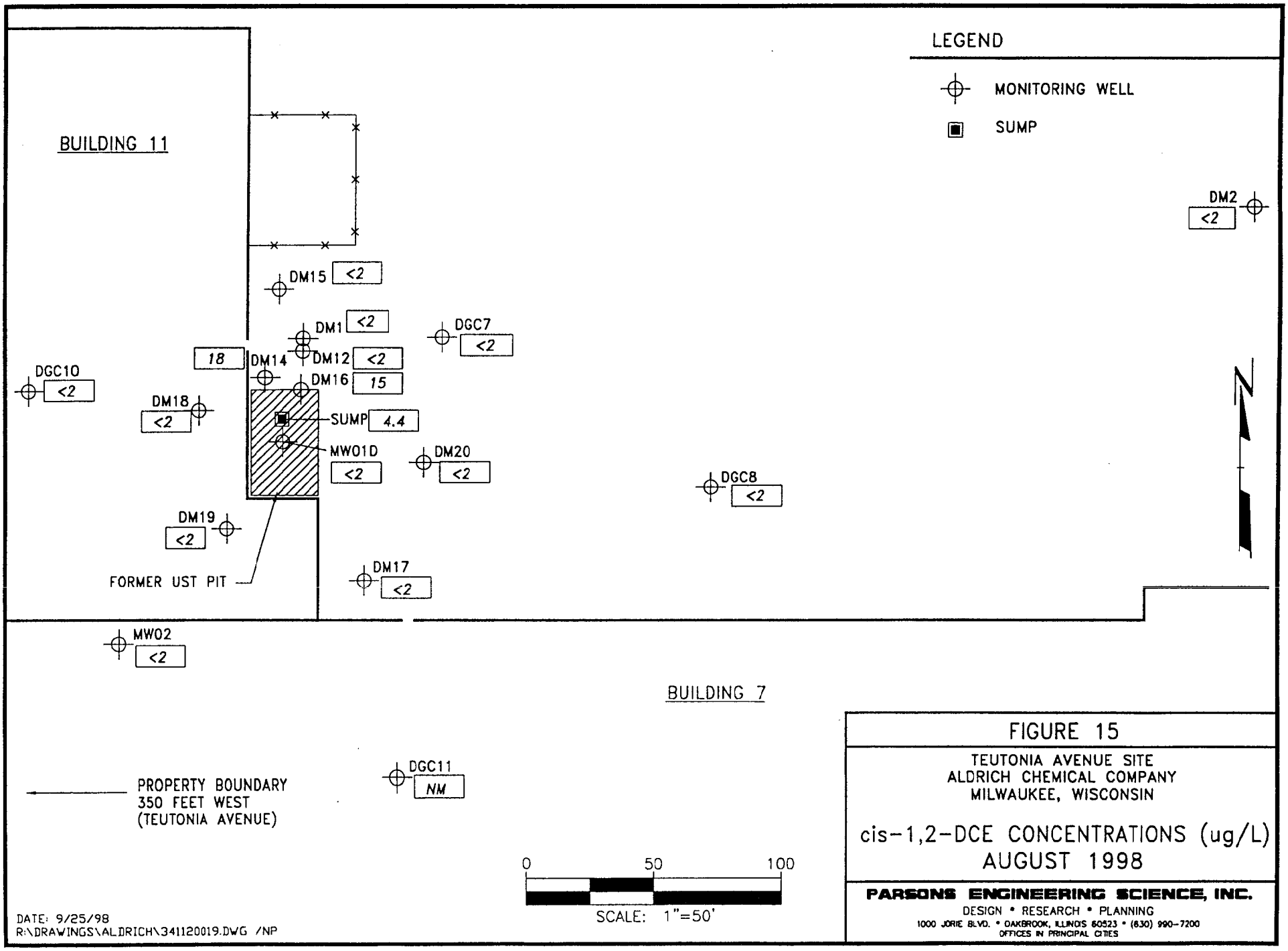

FIGURE 15

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

cis-1,2-DCE CONCENTRATIONS (ug/L)
AUGUST 1998

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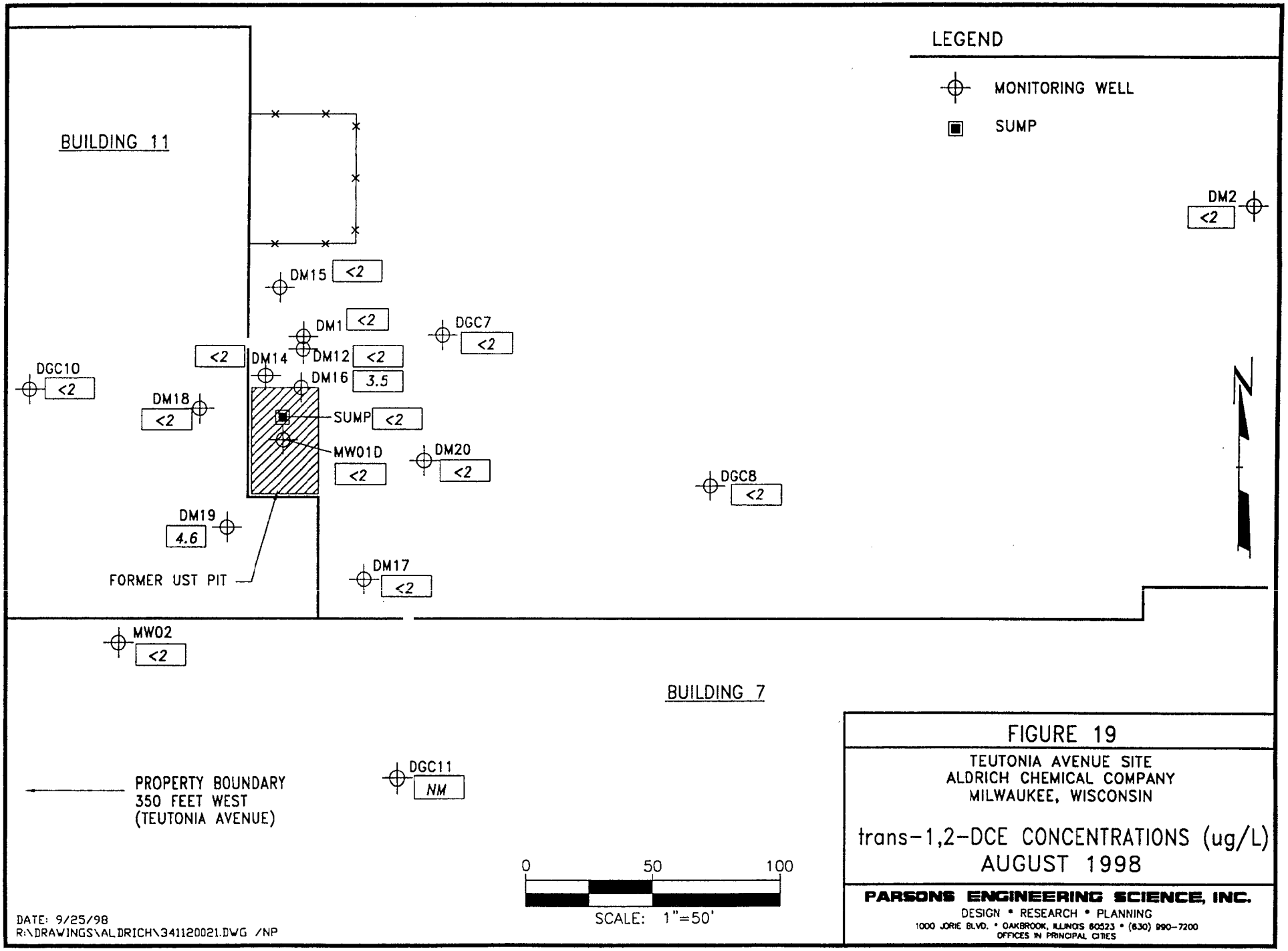
LEGEND
MONITORING WELL
SUMP
BUILDING 11
BUILDING 7
DM2 <2
DM15 <2
DM1 <2
DGC7 <2
DM14 <2
DM12 <2
DM16 3.5
DGC10 <2
DM18 <2
SUMP <2
MW01D <2
DM20 <2
DGC8 <2
DM19 4.6
DM17 <2
FORMER UST PIT
MW02 <2
DGC11 NM
PROPERTY BOUNDARY
350 FEET WEST
(TEUTONIA AVENUE)
0 50 100
SCALE: 1"=50'
N
DATE: 9/25/98
R:\DRAWINGS\ALDRICH\341120021.DWG /NP
FIGURE 19
TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN
trans-1,2-DCE CONCENTRATIONS (ug/L)
AUGUST 1998
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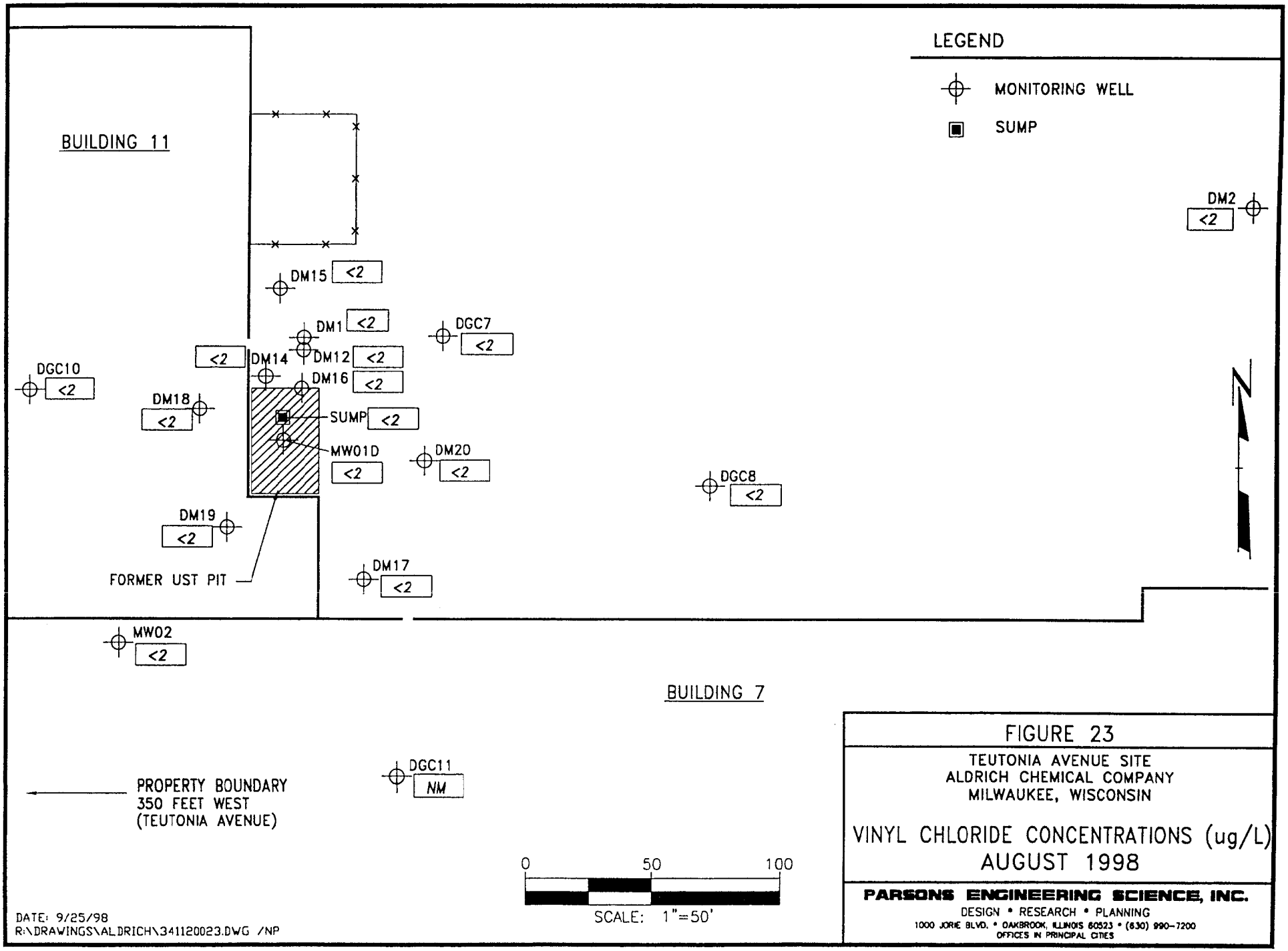

FIGURE 23

TEUTONIA AVENUE SITE
ALDRICH CHEMICAL COMPANY
MILWAUKEE, WISCONSIN

VINYL CHLORIDE CONCENTRATIONS (ug/L)
AUGUST 1998

PARSONS ENGINEERING SCIENCE, INC.
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TA[illegible] 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-1 2/19/91	DM-1 3/8/91	DM-1 8/28/91	DM-1 8/28/91 Split	DM-1 4/14/92	DM-1 7/14/92	DM-1 11/4/92	DM-1 1/15/93	DM-1 12/11/96	DM-1 12/11/96 Dupl.	DM-1 8/19/98	DM-1 8/19/98 Dupl.	DM-2 2/25/91	DM-2 12/11/96
Acetone	1000	200	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	NA
Acrolein	--	--	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA
Acrylonitrile	--	--	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA
Benzene	5	0.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.44 U	0.44 U	2 U	2 U	5 U	0.44 U
Bromobenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.71 U	0.71 U	NA	NA	NA	0.71 U
Bromochloromethane	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.7 U	0.7 U	NA	NA	5 U	0.7 U
Bromodichloromethane	0.6	0.06	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	NA	1 U
Bromoethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	--	--	5 U	5 U	5 U	5 U	3 U	3 U	3 U	3 U	1.5 U	1.5 U	NA	NA	5 U	1.5 U
Bromomethane	10	1	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	2 U	2 U	10 U	1.3 U
2-Butanone (Methyl ethyl ketone)	460	90	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	NA
Carbon disulfide	--	--	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	5 U	NA
Carbon tetrachloride	5	0.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	5 U	1 U
Chlorobenzene	--	--	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U	2 U	2 U	5 U	0.41 U
Chlorodibromomethane	--	--	NA	NA	NA	NA	1 U	1 U	1 U	1 U	NA	NA	2 U	2 U	NA	NA
Chloroethane	400	80	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	0.82 U	0.82 U	2 U	2 U	10 U	0.82 U
2-Chloroethylvinyl ether	--	--	10 U	10 U	10 U	10 U	1 U	1 U	1 U	NA	NA	NA	10 U	10 U	10 U	NA
Chloroform	6	0.6	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.56 U	0.56 U	2 U	2 U	5 U	0.56 U
Chloromethane	3	0.3	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	0.75 U	0.75 U	2 U	2 U	10 U	0.92
2-Chlorotoluene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.63 U	NA	NA	NA	0.63 U
4-Chlorotoluene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	0.73 U	0.73 U	NA	NA	NA	0.73 U
Dibromomethane	--	--	5 U	5 U	NA	NA	NA	NA	NA	1 U	0.92 U	0.92 U	NA	NA	5 U	0.92 U
Dibromochloromethane	60	6	5 U	5 U	5 U	5 U	NA	NA	NA	NA	1.5 U	1.5 U	NA	NA	5 U	1.5 U
Dichlorodifluoromethane	--	--	21	10 U	NA	NA	NA	NA	NA	10 U	0.99 U	0.99 U	NA	NA	10 U	0.99 U
1,3-Dichlorobenzene	1250	125	NA	NA	100 U	100 U	NA	NA	NA	1 U	0.72 U	0.72 U	NA	NA	NA	0.72 U
1,4-Dichlorobenzene	75	15	NA	NA	100 U	100 U	NA	NA	NA	1 U	0.82 U	0.82 U	NA	NA	NA	0.82 U
1,2-Dichlorobenzene	600	60	NA	NA	100 U	100 U	NA	NA	NA	1 U	0.82 U	0.82 U	NA	NA	NA	0.82 U
1,1-Dichloroethane	850	85	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	2 U	2 U	5 U	1.1 U
1,2-Dichloroethane	5	0.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.41 U	NA	2 U	2 U	5 U	0.41 U
1,1-Dichloroethene	7	0.7	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1.3 U	1.3 U	2 U	2 U	5 U	1.3 U
cis-1,2-Dichloroethene	70	7	NA	NA	NA	NA	NA	NA	NA	3	11	14	2 U	2 U	NA	0.53 U
trans-1,2-Dichloroethene	100	20	NA	NA	5 U	NA	1 U	1 U	1 U	1 U	1.3	1.7	2 U	2 U	NA	1 U
Total 1,2-Dichlorethene	--	--	5 U	5 U	NA	8.1	NA	NA	NA	NA	NA	NA	NA	NA	5 U	NA
1,2-Dichloropropane	5	0.5	5 U	NA	5 U	5 U	1 U	1 U	1 U	1 U	0.65 U	0.65 U	2 U	2 U	5 U	0.65 U
cis-1,3-Dichloropropene	0.2	0.02	5 U	5 U	5 U	5 U	3 U	3 U	3 U	NA	0.41 U	0.41 U	[illegible]	[illegible]	5 U	0.41 U
trans-1,3-Dichloropropene	0.2	0.02	5 U	5 U	5 U	5 U	1 U	1 U	1 U	NA	0.33 U	0.33 U	[illegible]	[illegible]	5 U	0.33 U
Ethylbenzene	700	140	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	2 U	2 U	5 U	0.5 U
2-Hexanone	--	--	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	NA
Methylene chloride	5	0.5	5 U	10 B	4.6 B	5 U	1.7 B	2.5 B	1 U	1 U	1.4 B	1.2 B	2 U	2 U	5 U	0.91 B
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	NA
Styrene	100	10	5 U	5 U	NA	NA	NA	NA	NA	1 U	0.54 U	0.54 U	2 U	2 U	5 U	0.54 U
1,1,2,2-Tetrachloroethane	0.2	0.02	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.84 U	0.84 U	2 U	2 U	5 U	0.84 U
Tetrachloroethene	5	0.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1.1	3.3	2.1	2.0	5 U	0.57 U
Toluene	343	68.6	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.21 Y	0.25 Y	2 U	2 U	5 U	0.41 U
1,1,1-Trichloroethane	200	40	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.91 U	0.91 U	2 U	2 U	5 U	0.91 U

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-1 2/19/91	DM-1 3/8/91	DM-1 8/28/91	DM-1 8/28/91 Split	DM-1 4/14/92	DM-1 7/14/92	DM-1 11/4/92	DM-1 1/15/93	DM-1 12/11/96	DM-1 12/11/96 Dupl.	DM-1 8/19/98	DM-1 8/19/98 Dupl.	DM-2 2/25/91	DM-2 12/11/96
1,1,2-Trichloroethane	5	0.5	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.47 U	0.47 U	2 U	2 U	5 U	0.47 U
Trichloroethene	5	0.5	12	11	23	19	13	10	7	2.3	9	53	38	8	5 U	0.52 U
Trichlorofluoromethane	--	--	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	4.5	9.8	3.4	3.4	5 U	1.3 U
Vinyl acetate	--	--	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	10 U	NA
Vinyl chloride	0.2	0.02	10 U	10 U	10 U	10 U	3 U	3 U	3 U	3 U	0.61 Y	0.51 Y	2 U	2 U	10 U	0.62 U
o-Xylene	620	124	NA	NA	NA	NA	NA	NA	NA	1 U	0.41 U	0.41 U	NA	NA	NA	0.41 U
m/p-Xylene	620	124	NA	NA	NA	NA	NA	NA	NA	1 U	0.98 U	0.98 U	NA	NA	NA	0.98 U
Total Xylenes	620	124	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	5 U	NA
2,2-Dichloropropane	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.84 U	0.84 U	NA	NA	NA	0.84 U
1,1-Dichloropropene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.83 U	0.83 U	NA	NA	NA	0.83 U
1,3-Dichloropropane	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	1.1 U	1.1 U	NA	NA	NA	1.1 U
1,2-Dibromoethane	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.97 U	0.97 U	NA	NA	NA	0.97 U
1,1,1,2-Tetrachloroethane	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.67 U	0.67 U	NA	NA	NA	0.67 U
Isopropylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.51 U	0.51 U	NA	NA	NA	0.51 U
n-Propylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.56 U	0.56 U	NA	NA	NA	0.56 U
1,3,5-Trimethylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.51 U	0.51 U	NA	NA	NA	0.51 U
tert-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.62 U	0.62 U	NA	NA	NA	0.62 U
1,2,4-Trimethylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.49	0.26 Y	NA	NA	NA	0.27 BY
sec-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.58 U	0.58 U	NA	NA	NA	0.58 U
p-Isopropyltoluene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.57 U	0.57 U	NA	NA	NA	0.57 U
n-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.64 U	0.64 U	NA	NA	NA	0.64 U
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	1 U	1.5 U	1.5 U	NA	NA	NA	1.5 U
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	NA	NA	NA	NA	1 U	0.59 U	0.59 U	NA	NA	NA	0.59 U
Hexachlorobutadiene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.86 U	0.86 U	NA	NA	NA	0.86 U
1,2,3-Trichlorobenzene	--	--	NA	NA	NA	NA	NA	NA	NA	1 U	0.78 U	0.78 U	NA	NA	NA	0.78 U
Methyl-tert-butyl-ether	60	12	NA	NA	NA	NA	NA	NA	NA	NA	0.88 U	0.88 U	NA	NA	NA	0.32 Y
Isopropyl Ether	--	--	NA	NA	NA	NA	NA	NA	NA	NA	0.17 Y	0.48 U	NA	NA	NA	0.48 U
1,2,3-Trichloropropane	--	--	5 U	5 U	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA	NA	5 U	0.5 U
Benzo(a)anthracene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	NA	NA	NA	1.1 U
2-Nitrophenol	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	15	1.5	4 U	51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4 U	NA
Dissolved Lead	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-2 8/20/98	DM-12 7/23/91	DM-12 8/14/91	DM-12 8/28/91	DM-12 8/28/91 Split	DM-12 4/14/92	DM-12 7/14/92	DM-12 11/4/92	DM-12 1/15/93	DM-12 12/11/96	DM-12 12/11/96 Dupl.	DM-12 8/19/98	DM-12 8/19/98 Dupl.	DM-13 7/23/91
Acetone	1000	200	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U
Acrolein	--	--	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Acrylonitrile	--	--	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Benzene	5	0.5	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.44 U	0.44 U	2 U	2 U	5 U
Bromobenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.71 U	0.71 U	NA	NA	NA
Bromochloromethane	--	--	NA	5 U	NA	NA	NA	NA	NA	NA	1 U	0.7 U	0.7 U	NA	NA	NA
Bromodichloromethane	0.6	0.06	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U	2 U	5 U
Bromoethane	--	--	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U
Bromoform	--	--	NA	5 U	5 U	5 U	5 U	3 U	3 U	6 U	3 U	1.5 U	1.5 U	NA	NA	5 U
Bromomethane	10	1	2 U	NA	10 U	10 U	10 U	5 U	5 U	10 U	5 U	1.3 U	1.3 U	2 U	2 U	NA
2-Butanone (Methyl ethyl ketone)	460	90	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U
Carbon disulfide	--	--	2 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	5 U
Carbon tetrachloride	5	0.5	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U	2 U	5 U
Chlorobenzene	--	--	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.41 U	0.41 U	2 U	2 U	5 U
Chlorodibromomethane	--	--	2 U	10 U	NA	NA	NA	1 U	1 U	2 U	1 U	NA	NA	2 U	2 U	10 U
Chloroethane	400	80	2 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	0.82 U	0.82 U	2 U	2 U	10 U
2-Chloroethylvinyl ether	--	--	10 U	10 U	10 U	10 U	10 U	1 U	5 U	10 U	NA	NA	NA	10 U	10 U	10 U
Chloroform	6	0.6	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.56 U	0.56 U	2 U	2 U	5 U
Chloromethane	3	0.3	2 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	0.75 U	0.75 U	2 U	2 U	10 U
2-Chlorotoluene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.63 U	0.63 U	NA	NA	NA
4-Chlorotoluene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.73 U	0.73 U	NA	NA	NA
Dibromomethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.92 U	0.92 U	NA	NA	NA
Dibromochloromethane	60	6	NA	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	1.5 U	1.5 U	NA	NA	5 U
Dichlorodifluoromethane	--	--	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	0.99 U	0.99 U	NA	NA	10 U
1,3-Dichlorobenzene	1250	125	NA	10 U	10 U	100 U	100 U	NA	NA	NA	1 U	0.72 U	0.72 U	NA	NA	10 U
1,4-Dichlorobenzene	75	15	NA	10 U	10 U	100 U	100 U	NA	NA	NA	1 U	0.82 U	0.82 U	NA	NA	10 U
1,2-Dichlorobenzene	600	60	NA	10 U	10 U	100 U	100 U	NA	NA	NA	1 U	0.82 U	0.82 U	NA	NA	10 U
1,1-Dichloroethane	850	85	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	1.1 U	1.1 U	2 U	2 U	5 U
1,2-Dichloroethane	5	0.5	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.41 U	0.41 U	2 U	2 U	5 U
1,1-Dichloroethene	7	0.7	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	1.3 U	1.3 U	2 U	2 U	5 U
cis-1,2-Dichloroethene	70	7	2 U	34	NA	NA	NA	NA	NA	NA	20	14	12	2 U	2 U	5 U
trans-1,2-Dichloroethene	100	20	2 U	5 U	5 U	5 U	NA	1 U	2.8	2 U	1 U	2	1.3	2 U	2 U	5 U
Total 1,2-Dichlorethene	--	--	NA	NA	NA	NA	37	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	0.5	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.65 U	0.65 U	2 U	2 U	5 U
cis-1,3-Dichloropropene	0.2	0.02	2 U	5 U	5 U	5 U	5 U	1 U	3 U	6 U	NA	0.41 U	0.41 U	[illegible]	[illegible]	5 U
trans-1,3-Dichloropropene	0.2	0.02	2 U	5 U	5 U	5 U	5 U	1 U	1 U	10 U	NA	0.33 U	0.33 U	[illegible]	[illegible]	5 U
Ethylbenzene	700	140	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.5 U	0.5 U	2 U	2 U	5 U
2-Hexanone	--	--	10 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	50 U
Methylene chloride	5	0.5	2 U	[illegible]	[illegible]	[illegible]	5 U	1.5 B	3.7 B	2 U	1 U	2.2 B	1 B	2 U	2 U	[illegible]
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	10 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	50 U
Styrene	100	10	2 U	5 U	NA	NA	NA	NA	NA	NA	1 U	0.54 U	0.54 U	2 U	2 U	5 U
1,1,2,2-Tetrachloroethane	0.2	0.02	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.84 U	0.84 U	2 U	2 U	5 U
Tetrachloroethene	5	0.5	2 U	2.5	5 U	[illegible]	[illegible]	3.8	1 U	2.4	2.3	3.1	1.2	[illegible]	[illegible]	5 U
Toluene	343	68.6	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.27 Y	0.19 Y	2 U	2 U	5 U
1,1,1-Trichloroethane	200	40	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.91 U	0.91 U	2 U	2 U	5 U

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Compound	Enforcement Standard	Preventive Action Limit	DM-2 8/20/98	DM-12 7/23/91	DM-12 8/14/91	DM-12 8/28/91	DM-12 8/28/91 Split	DM-12 4/14/92	DM-12 7/14/92	DM-12 11/4/92	DM-12 1/15/93	DM-12 12/11/96	DM-12 12/11/96 Dupl.	DM-12 8/19/98	DM-12 8/19/98 Dupl.	DM-13 7/23/91
1,1,2-Trichloroethane	5	0.5	2 U	5 U	5 U	5 U	5 U	1 U	1 U	2 U	1 U	0.47 U	0.47 U	2 U	2 U	5 U
Trichloroethene	5	0.5	2 U	120	5 U	300 E	240	100	93	89	100	[illegible]	[illegible]	[illegible]	[illegible]	5 U
Trichlorofluoromethane	--	--	2 U	10 U	10 U	10 U	10 U	1 U	1 U	2 U	1 U	9.1	4.9	5.9	5.4	10 U
Vinyl acetate	--	--	2 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	50 U
Vinyl chloride	0.2	0.02	2 U	10 U	10 U	10 U	10 U	3 U	3 U	6 U	3 U	[illegible]	[illegible]	2 U	2 U	10 U
o-Xylene	620	124	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.41 U	0.41 U	NA	NA	NA
m/p-Xylene	620	124	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.98 U	0.98 U	NA	NA	NA
Total Xylenes	620	124	2 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	5 U
2,2-Dichloropropane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.84 U	0.84 U	NA	NA	NA
1,1-Dichloropropene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.83 U	0.83 U	NA	NA	NA
1,3-Dichloropropane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	1.1 U	1.1 U	NA	NA	NA
1,2-Dibromoethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.97 U	0.97 U	NA	NA	NA
1,1,1,2-Tetrachloroethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.67 U	0.67 U	NA	NA	NA
Isopropylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.51 U	0.51 U	NA	NA	NA
n-Propylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.56 U	0.56 U	NA	NA	NA
1,3,5-Trimethylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.51 U	0.51 U	NA	NA	NA
tert-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.62 U	0.62 U	NA	NA	NA
1,2,4-Trimethylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.52	0.4 B	NA	NA	NA
sec-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.58 U	0.58 U	NA	NA	NA
p-Isopropyltoluene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.57 U	0.57 U	NA	NA	NA
n-Butylbenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.64 U	0.64 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	1 U	1.5 U	1.5 U	NA	NA	NA
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.59 U	0.59 U	NA	NA	NA
Hexachlorobutadiene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.86 U	0.86 U	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	1 U	0.78 U	0.78 U	NA	NA	NA
Methyl-tert-butyl-ether	60	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46 Y	0.88 U	NA	NA	NA
Isopropyl Ether	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.48 U	0.2 Y	NA	NA	NA
1,2,3-Trichloropropane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA	NA	NA
Benzo(a)anthracene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	NA	NA	NA
2-Nitrophenol	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	15	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	--	--	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Mercury	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-13 8/14/91	DM-13 8/28/91	DM-13 8/28/91 Split	DM-13 Apr-92	DM-13 Jul-92	DM-13 Nov-92	DM-13 Jan-93	DM-14 7/26/93	DM-14 12/11/96	DM-14 8/19/98	DM-15 7/26/93	DM-15 12/11/96	DM-15 8/19/98	DM-16 7/26/93
Acetone	1000	200	NA	NA	NA	--	--	--	--	NA	NA	10 U	NA	NA	10 U	NA
Acrolein	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Benzene	5	0.5	5 U	5 U	5 U	--	--	--	--	1 U	0.44 U	2 U	1 U	0.44 U	2 U	4 U
Bromobenzene	--	--	NA	NA	NA	--	--	--	--	NA	0.71 U	NA	NA	0.71 U	NA	NA
Bromochloromethane	--	--	NA	NA	NA	--	--	--	--	NA	0.7 U	NA	NA	0.7 U	NA	NA
Bromodichloromethane	0.6	0.06	5 U	5 U	5 U	--	--	--	--	1 U	1 U	2 U	1 U	1 U	2 U	4 U
Bromoethane	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Bromoform	--	--	5 U	5 U	5 U	--	--	--	--	3 U	1.5 U	NA	3 U	1.5 U	NA	12 U
Bromomethane	10	1	10 U	10 U	10 U	--	--	--	--	NA	1.3 U	2 U	NA	1.3 U	2 U	NA
2-Butanone (Methyl ethyl ketone)	460	90	NA	NA	NA	--	--	--	--	NA	NA	10 U	NA	NA	10 U	NA
Carbon disulfide	--	--	NA	NA	NA	--	--	--	--	NA	NA	2 U	NA	NA	2 U	NA
Carbon tetrachloride	5	0.5	5 U	5 U	5 U	--	--	--	--	1 U	1 U	2 U	1 U	1 U	2 U	4 U
Chlorobenzene	--	--	5 U	5 U	5 U	--	--	--	--	NA	0.41 U	2 U	NA	0.41 U	2 U	NA
Chlorodibromomethane	--	--	NA	NA	NA	--	--	--	--	1 U	NA	2 U	1 U	NA	2 U	4 U
Chloroethane	400	80	10 U	10 U	10 U	--	--	--	--	2 U	0.82 U	2 U	2 U	0.82 U	2 U	8 U
2-Chloroethylvinyl ether	--	--	10 U	10 U	10 U	--	--	--	--	NA	NA	10 U	NA	NA	10 U	NA
Chloroform	6	0.6	5 U	5 U	5 U	--	--	--	--	1 U	0.56 U	2 U	1 U	0.56 U	2 U	4 U
Chloromethane	3	0.3	10 U	10 U	10 U	--	--	--	--	NA	1.1	2 U	NA	1	2 U	NA
2-Chlorotoluene	--	--	NA	NA	NA	--	--	--	--	1 U	0.63 U	NA	1 U	0.63 U	NA	4 U
4-Chlorotoluene	--	--	NA	NA	NA	--	--	--	--	1 U	0.73 U	NA	1 U	0.73 U	NA	4 U
Dibromomethane	--	--	NA	NA	NA	--	--	--	--	1 U	0.92 U	NA	1 U	0.92 U	NA	4 U
Dibromochloromethane	60	6	5 U	5 U	5 U	--	--	--	--	NA	1.5 U	NA	NA	1.5 U	NA	NA
Dichlorodifluoromethane	--	--	NA	NA	NA	--	--	--	--	2 U	0.99 U	NA	2 U	0.99 U	NA	8 U
1,3-Dichlorobenzene	1250	125	10 U	100 U	100 U	--	--	--	--	1 U	0.72 U	NA	1 U	0.72 U	NA	4 U
1,4-Dichlorobenzene	75	15	10 U	100 U	100 U	--	--	--	--	1 U	0.82 U	NA	1 U	0.82 U	NA	4 U
1,2-Dichlorobenzene	600	60	10 U	100 U	100 U	--	--	--	--	1 U	0.82 U	NA	1 U	0.82 U	NA	4 U
1,1-Dichloroethane	850	85	5 U	5 U	5 U	--	--	--	--	1 U	1.1 U	2 U	1 U	1.1 U	2 U	4 U
1,2-Dichloroethane	5	0.5	5 U	5 U	5 U	--	--	--	--	1 U	NA	2 U	1 U	0.41 U	2 U	4 U
1,1-Dichloroethene	7	0.7	5 U	5 U	5 U	--	--	--	--	1 U	1.3 U	2 U	1 U	1.3 U	2 U	4 U
cis-1,2-Dichloroethene	70	7	NA	NA	NA	--	--	--	U	29	8.8	18	1 U	0.53 U	2 U	12
trans-1,2-Dichloroethene	100	20	5 U	5 U	NA	--	U	--	--	1 U	1.9	2 U	1 U	1 U	2 U	4 U
Total 1,2-Dichlorethene	--	--	NA	NA	5 U	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	0.5	5 U	5 U	5 U	--	--	--	--	1 U	0.41 U	2 U	1 U	0.65 U	2 U	4 U
cis-1,3-Dichloropropene	0.2	0.02	5 U	5 U	5 U	--	--	--	--	1 U	0.41 U	2 U	1 U	0.41 U	2 U	4 U
trans-1,3-Dichloropropene	0.2	0.02	5 U	5 U	5 U	--	--	--	--	1 U	0.33 U	2 U	1 U	0.33 U	2 U	4 U
Ethylbenzene	700	140	5 U	5 U	5 U	--	--	--	--	1 U	0.5 U	2 U	1 U	0.5 U	2 U	4 U
2-Hexanone	--	--	NA	NA	NA	--	--	--	--	NA	NA	10 U	NA	NA	10 U	NA
Methylene chloride	5	0.5	[illegible]	[illegible]	5 U	1.4	3.4	--	U	1 U	0.88 B	2 U	1 U	1.5 B	2 U	[illegible]
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	NA	NA	NA	--	--	--	--	NA	NA	10 U	NA	NA	10 U	NA
Styrene	100	10	NA	NA	NA	--	--	--	--	1 U	0.54 U	2 U	1 U	0.54 U	2 U	4 U
1,1,2,2-Tetrachloroethane	0.2	0.02	5 U	5 U	5 U	--	--	--	--	1 U	0.84 U	2 U	1 U	0.84 U	2 U	4 U
Tetrachloroethene	5	0.5	5 U	5 U	5 U	U	--	U	U	2.6	0.29 Y	2 U	1 U	0.57 U	2 U	4 U
Toluene	343	68.6	5 U	5 U	5 U	U	--	--	--	1.1	0.21 Y	2 U	1 U	0.39 Y	2 U	4 U
1,1,1-Trichloroethane	200	40	5 U	5 U	5 U	--	--	--	--	1 U	0.91 U	2 U	1 U	0.91 U	2 U	4 U

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
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ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-13 8/14/91	DM-13 8/28/91	DM-13 8/28/91 Split	DM-13 Apr-92	DM-13 Jul-92	DM-13 Nov-92	DM-13 Jan-93	DM-14 7/26/93	DM-14 12/11/96	DM-14 8/19/98	DM-15 7/26/93	DM-15 12/11/96	DM-15 8/19/98	DM-16 7/26/93
1,1,2-Trichloroethane	5	0.5	5 U	5 U	5 U	--	--	--	--	1 U	0.47 U	2 U	1 U	0.47 U	2 U	4 U
Trichloroethene	5	0.5	5 U	5 U	5 U	U	U	U	U	[illegible]	[illegible]	0.3	1 U	0.52 U	2 U	[illegible]
Trichlorofluoromethane	--	--	10 U	10 U	10 U	--	--	--	--	1 U	1.3 U	5.4	1 U	1.3 U	2 U	120
Vinyl acetate	--	--	NA	NA	NA	--	--	--	--	NA	NA	2 U	NA	NA	2 U	NA
Vinyl chloride	0.2	0.02	10 U	10 U	10 U	--	--	--	--	2 U	0.62 U	2 U	2 U	0.62 U	2 U	8 U
o-Xylene	620	124	NA	NA	NA	--	--	--	--	1 U	0.41 U	NA	1 U	0.41 U	NA	4 U
m/p-Xylene	620	124	NA	NA	NA	--	--	--	--	1 U	0.98 U	NA	1 U	0.98 U	NA	4 U
Total Xylenes	620	124	5 U	5 U	NA	--	--	--	--	NA	NA	2 U	NA	NA	2 U	NA
2,2-Dichloropropane	--	--	NA	NA	NA	--	--	--	--	1 U	0.84 U	NA	1 U	0.84 U	NA	4 U
1,1-Dichloropropene	--	--	NA	NA	NA	--	--	--	--	1 U	0.83 U	NA	1 U	0.83 U	NA	4 U
1,3-Dichloropropane	--	--	NA	NA	NA	--	--	--	--	1 U	1.1 U	NA	1 U	1.1 U	NA	4 U
1,2-Dibromoethane	--	--	NA	NA	NA	--	--	--	--	1 U	0.97 U	NA	1 U	0.97 U	NA	4 U
1,1,1,2-Tetrachloroethane	--	--	NA	NA	NA	--	--	--	--	1 U	0.67 U	NA	1 U	0.67 U	NA	4 U
Isopropylbenzene	--	--	NA	NA	NA	--	--	--	--	1 U	0.51 U	NA	1 U	0.51 U	NA	4 U
n-Propylbenzene	--	--	NA	NA	NA	--	--	--	--	1 U	0.56 U	NA	1 U	0.56 U	NA	4 U
1,3,5-Trimethylbenzene	--	--	NA	NA	NA	--	--	--	--	1 U	0.51 U	NA	1 U	0.51 U	NA	4 U
tert-Butylbenzene	--	--	NA	NA	NA	--	--	--	--	NA	0.62 U	NA	NA	0.62 U	NA	NA
1,2,4-Trimethylbenzene	--	--	NA	NA	NA	--	--	--	--	1 U	0.35 BY	NA	1 U	0.59	NA	4 U
sec-Butylbenzene	--	--	NA	NA	NA	--	--	--	--	NA	0.58 U	NA	NA	0.58 U	NA	NA
p-Isopropyltoluene	--	--	NA	NA	NA	--	--	--	--	1 U	0.57 U	NA	1 U	0.57 U	NA	4 U
n-Butylbenzene	--	--	NA	NA	NA	--	--	--	--	NA	0.64 U	NA	NA	0.64 U	NA	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	--	--	--	--	5 U	1.5 U	NA	5 U	1.5 U	NA	20 U
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	--	--	--	--	1 U	0.59 U	NA	1 U	0.59 U	NA	4 U
Hexachlorobutadiene	--	--	NA	NA	NA	--	--	--	--	1 U	0.86 U	NA	1 U	0.86 U	NA	4 U
1,2,3-Trichlorobenzene	--	--	NA	NA	NA	--	--	--	--	1 U	0.78 U	NA	1 U	0.78 U	NA	4 U
Methyl-tert-butyl-ether	60	12	NA	NA	NA	--	--	--	--	1 U	0.88 U	NA	1 U	0.42 Y	NA	4 U
Isopropyl Ether	--	--	NA	NA	NA	--	--	--	--	NA	0.48 U	NA	NA	0.48 U	NA	NA
1,2,3-Trichloropropane	--	--	NA	NA	NA	--	--	--	--	NA	0.5 U	NA	NA	0.5 U	NA	NA
Benzo(a)anthracene	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	NA	NA	NA	--	--	--	U	1 U	1.1 U	NA	1 U	1.1 U	NA	4 U
2-Nitrophenol	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Lead	15	1.5	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Mercury	2	0.2	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-16 12/11/96	DM-16 8/19/98	DM-17 Sep-93	DM-17 12/11/96	DM-17 8/20/98	DM-18 Sep-93	DM-18 12/11/96	DM-18 8/19/98	DM19 9/23/93	DM19 12/12/96	DM-19 8/19/98	DM20 Sep-93	DM20 12/11/96	DM-20 8/20/98
Acetone	1000	200	NA	10 U	--	NA	10 U	--	NA	10 U	NA	NA	10 U	--	NA	10 U
Acrolein	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Acrylonitrile	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Benzene	5	0.5	0.44 U	2 U	--	0.14 Y	2 U	--	0.44 U	2 U	5 U	0.44 U	2 U	--	0.44 U	2 U
Bromobenzene	--	--	0.71 U	NA	--	0.71 U	NA	--	0.71 U	NA	5 U	0.71 U	NA	--	0.71 U	NA
Bromochloromethane	--	--	0.7 U	NA	--	0.7 U	NA	--	0.7 U	NA	5 U	0.7 U	NA	--	0.7 U	NA
Bromodichloromethane	0.6	0.06	0.39 Y	2 U	--	1 U	2 U	--	1 U	2 U	5 U	1 U	2 U	--	1 U	2 U
Bromoethane	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Bromoform	--	--	1.5 U	NA	--	1.5 U	NA	--	1.5 U	NA	5 U	1.5 U	NA	--	1.5 U	NA
Bromomethane	10	1	1.3 U	2 U	--	1.3 U	2 U	--	1.3 U	2 U	5 U	1.3 U	2 U	--	1.3 U	2 U
2-Butanone (Methyl ethyl ketone)	460	90	NA	10 U	--	NA	10 U	--	NA	10 U	NA	NA	10 U	--	NA	10 U
Carbon disulfide	--	--	NA	2 U	--	NA	2 U	--	NA	2 U	NA	NA	2 U	--	NA	2 U
Carbon tetrachloride	5	0.5	1 U	2 U	--	1 U	2 U	--	1 U	2 U	5 U	1 U	2 U	--	1 U	2 U
Chlorobenzene	--	--	0.41 U	2 U	--	0.41 U	2 U	--	0.41 U	2 U	5 U	0.41 U	2 U	--	0.41 U	2 U
Chlorodibromomethane	--	--	NA	2 U	--	NA	2 U	--	NA	2 U	NA	NA	2 U	--	NA	2 U
Chloroethane	400	80	0.82 U	2 U	--	0.82 U	2 U	--	0.82 U	2 U	5 U	0.82 U	2 U	--	0.82 U	2 U
2-Chloroethylvinyl ether	--	--	NA	10 U	--	NA	10 U	--	NA	10 U	NA	NA	10 U	--	NA	10 U
Chloroform	6	0.6	0.57	2 U	--	0.56 U	2 U	--	0.56 U	2 U	5 U	0.56 U	2 U	--	0.56 U	2 U
Chloromethane	3	0.3	0.35 Y	2 U	--	1	2 U	--	0.8	2 U	5 U	1.3	2 U	--	0.41 Y	2 U
2-Chlorotoluene	--	--	0.63 U	NA	--	0.63 U	NA	--	0.63 U	NA	5 U	0.63 U	NA	--	0.63 U	NA
4-Chlorotoluene	--	--	0.73 U	NA	--	0.73 U	NA	--	0.73 U	NA	5 U	0.73 U	NA	--	0.73 U	NA
Dibromomethane	--	--	0.92 U	NA	--	0.92 U	NA	--	0.92 U	NA	5 U	0.92 U	NA	--	0.92 U	NA
Dibromochloromethane	60	6	1.5 U	NA	--	1.5 U	NA	--	1.5 U	NA	5 U	1.5 U	NA	--	1.5 U	NA
Dichlorodifluoromethane	--	--	0.99 U	NA	--	0.99 U	NA	--	0.99 U	NA	5 U	0.99 U	NA	--	0.99 U	NA
1,3-Dichlorobenzene	1250	125	0.72 U	NA	--	0.72 U	NA	--	0.72 U	NA	5 U	0.72 U	NA	--	0.72 U	NA
1,4-Dichlorobenzene	75	15	0.82 U	NA	--	0.82 U	NA	--	0.82 U	NA	5 U	0.82 U	NA	--	0.82 U	NA
1,2-Dichlorobenzene	600	60	0.82 U	NA	--	0.82 U	NA	--	0.82 U	NA	5 U	0.82 U	NA	--	0.82 U	NA
1,1-Dichloroethane	850	85	1.1 U	2 U	--	1.1 U	2 U	--	1.1 U	2 U	5 U	1.1 U	2 U	--	1.1 U	2 U
1,2-Dichloroethane	5	0.5	0.41 U	2 U	--	0.41 U	2 U	--	0.41 U	2 U	5 U	0.41 U	2 U	--	0.41 U	2 U
1,1-Dichloroethene	7	0.7	1.3 U	2 U	--	1.3 U	2 U	--	1.3 U	2 U	5 U	1.3 U	2 U	--	1.3 U	2 U
cis-1,2-Dichloroethene	70	7	5.9	15	--	1.7	2 U	--	0.53 U	2 U	69	1.9	2 U	--	0.53 U	2 U
trans-1,2-Dichloroethene	100	20	0.67 Y	3.5	--	1 U	2 U	--	1 U	2 U	85	2	4.6	--	1 U	2 U
Total 1,2-Dichlorethene	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
1,2-Dichloropropane	5	0.5	0.65 U	2 U	--	0.65 U	2 U	--	0.65 U	2 U	5 U	0.65 U	2 U	--	0.65 U	2 U
cis-1,3-Dichloropropene	0.2	0.02	0.41 U	2 U	--	0.41 U	2 U	--	0.41 U	2 U	5 U	0.41 U	2 U	--	0.41 U	2 U
trans-1,3-Dichloropropene	0.2	0.02	0.33 U	2 U	--	0.33 U	2 U	--	0.33 U	2 U	5 U	0.33 U	2 U	--	0.33 U	2 U
Ethylbenzene	700	140	0.5 U	2 U	--	0.5 U	2 U	--	0.5 U	2 U	5 U	0.5 U	2 U	--	0.5 U	2 U
2-Hexanone	--	--	NA	10 U	--	NA	10 U	--	NA	10 U	NA	NA	10 U	--	NA	10 U
Methylene chloride	5	0.5	1.1 B	2.3 A	--	1.2 B	2 U	--	1.4 B	2 U	17 B	0.89 B	2 U	--	1.1 B	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	NA	10 U	--	NA	10 U	--	NA	10 U	NA	NA	10 U	--	NA	10 U
Styrene	100	10	0.54 U	2 U	--	0.54 U	2 U	--	0.54 U	2 U	5 U	0.54 U	2 U	--	0.54 U	2 U
1,1,2,2-Tetrachloroethane	0.2	0.02	0.84 U	2 U	--	0.84 U	2 U	--	0.84 U	2 U	5 U	0.84 U	2 U	--	0.84 U	2 U
Tetrachloroethene	5	0.5	4.2	[illegible]	--	0.57 U	2 U	--	0.57 U	2 U	5 U	0.5 Y	2 U	--	0.57 U	2 U
Toluene	343	68.6	0.41 U	2 U	--	0.31 Y	2 U	--	0.16 Y	2 U	5 U	0.84	2 U	--	0.16 Y	2 U
1,1,1-Trichloroethane	200	40	0.91 U	2 U	--	0.91 U	2 U	--	0.91 U	2 U	5 U	0.91 U	2 U	--	0.42 Y	2 U

ALL UNITS IN MICROGRAMS PER LITER (ppb)

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ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DM-16 12/11/96	DM-16 8/19/98	DM-17 Sep-93	DM-17 12/11/96	DM-17 8/20/98	DM-18 Sep-93	DM-18 12/11/96	DM-18 8/19/98	DM19 9/23/93	DM19 12/12/96	DM-19 8/19/98	DM20 Sep-93	DM20 12/11/96	DM-20 8/20/98
1,1,2-Trichloroethane	5	0.5	0.47 U	2 U	--	0.47 U	2 U	--	0.47 U	2 U	5 U	0.47 U	2 U	--	0.47 U	2 U
Trichloroethene	5	0.5	[illegible]	[illegible]	--	0.28 Y	2 U	--	0.52 U	2 U	[illegible]	3	3.9	--	0.52 U	2 U
Trichlorofluoromethane	--	--	10	7.1	--	1.3 U	2 U	--	1.3 U	2 U	5 U	0.95 Y	2 U	--	1.3 U	2 U
Vinyl acetate	--	--	NA	2 U	--	NA	2 U	--	NA	2 U	NA	NA	2 U	--	NA	2 U
Vinyl chloride	0.2	0.02	0.62 U	2 U	--	0.62 U	2 U	--	0.62 U	2 U	5 U	0.62 U	2 U	--	0.19 Y	2 U
o-Xylene	620	124	0.41 U	NA	--	0.41 U	NA	--	0.41 U	NA	5 U	0.41 U	NA	--	0.41 U	NA
m/p-Xylene	620	124	0.98 U	NA	--	0.98 U	NA	--	0.98 U	NA	5 U	0.98 U	NA	--	0.98 U	NA
Total Xylenes	620	124	NA	2 U	--	NA	2 U	--	NA	2 U	NA	NA	2 U	--	NA	2 U
2,2-Dichloropropane	--	--	0.84 U	NA	--	0.84 U	NA	--	0.84 U	NA	5 U	0.84 U	NA	--	0.84 U	NA
1,1-Dichloropropene	--	--	0.83 U	NA	--	0.83 U	NA	--	0.83 U	NA	5 U	0.83 U	NA	--	0.83 U	NA
1,3-Dichloropropane	--	--	1.1 U	NA	--	1.1 U	NA	--	1.1 U	NA	5 U	1.1 U	NA	--	1.1 U	NA
1,2-Dibromoethane	--	--	0.97 U	NA	--	0.97 U	NA	--	0.97 U	NA	5 U	0.97 U	NA	--	0.97 U	NA
1,1,1,2-Tetrachloroethane	--	--	0.67 U	NA	--	0.67 U	NA	--	0.67 U	NA	5 U	0.67 U	NA	--	0.67 U	NA
Isopropylbenzene	--	--	0.51 U	NA	--	0.51 U	NA	--	0.51 U	NA	5 U	0.51 U	NA	--	0.51 U	NA
n-Propylbenzene	--	--	0.56 U	NA	--	0.56 U	NA	--	0.56 U	NA	5 U	0.56 U	NA	--	0.56 U	NA
1,3,5-Trimethylbenzene	--	--	0.51 U	NA	--	0.51 U	NA	--	0.51 U	NA	5 U	0.51 U	NA	--	0.51 U	NA
tert-Butylbenzene	--	--	0.62 U	NA	--	0.62 U	NA	--	0.62 U	NA	5 U	0.62 U	NA	--	0.62 U	NA
1,2,4-Trimethylbenzene	--	--	0.3 BY	NA	--	0.57	NA	--	0.36 BY	NA	5 U	0.55 B	NA	--	0.5	NA
sec-Butylbenzene	--	--	0.58 U	NA	--	0.58 U	NA	--	0.58 U	NA	5 U	0.24 Y	NA	--	0.58 U	NA
p-Isopropyltoluene	--	--	0.57 U	NA	--	0.57 U	NA	--	0.57 U	NA	5 U	0.57 U	NA	--	0.57 U	NA
n-Butylbenzene	--	--	0.64 U	NA	--	0.64 U	NA	--	0.64 U	NA	5 U	0.64 U	NA	--	0.64 U	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	1.5 U	NA	--	1.5 U	NA	--	1.5 U	NA	25 U	1.5 U	NA	--	1.5 U	NA
1,2,4-Trichlorobenzene	70	14	0.59 U	NA	--	0.59 U	NA	--	0.59 U	NA	5 U	0.59 U	NA	--	0.59 U	NA
Hexachlorobutadiene	--	--	0.86 U	NA	--	0.86 U	NA	--	0.86 U	NA	5 U	0.86 U	NA	--	0.86 U	NA
1,2,3-Trichlorobenzene	--	--	0.78 U	NA	--	0.78 U	NA	--	0.78 U	NA	5 U	0.78 U	NA	--	0.78 U	NA
Methyl-tert-butyl-ether	60	12	0.88 U	NA	--	0.88 U	NA	--	0.88 U	NA	5 U	0.59 Y	NA	--	0.88 U	NA
Isopropyl Ether	--	--	0.48 U	NA	--	0.48 U	NA	--	0.48 U	NA	NA	0.48 U	NA	--	0.48 U	NA
1,2,3-Trichloropropane	--	--	0.5 U	NA	--	0.5 U	NA	--	0.5 U	NA	5 U	0.5 U	NA	--	0.5 U	NA
Benzo(a)anthracene	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Naphthalene	40	8	1.1 U	NA	--	1.1 U	NA	--	1.1 U	NA	5 U	1.1 U	NA	--	1.1 U	NA
2-Nitrophenol	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Phenanthrene	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Cadmium	5	0.5	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Copper	1300	130	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Lead	15	1.5	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Dissolved Lead	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Mercury	2	0.2	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Nickel	100	20	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Zinc	500	250	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
Total Suspended Solids	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA
pH	--	--	NA	NA	--	NA	NA	--	NA	NA	NA	NA	NA	--	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TA. . 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DGC-7 4/11/91	DGC-7 4/18/91	DGC-7 8/28/91	DGC-7 8/28/91 Split	DGC-7 Apr-92	DGC-7 Jul-92	DGC-7 Nov-92	DGC-7 Jan-93	DGC-7 12/11/96	DGC-7 8/20/98	DGC-8 4/12/91	DGC-8 4/18/91	DGC-8 8/28/91	DGC-8 8/28/91 Split
Acetone	1000	200	10 U	NA	NA	NA	--	--	--	--	NA	10 U	10 U	NA	NA	NA
Acrolein	--	--	100 U	NA	NA	NA	--	--	--	--	NA	NA	100 U	NA	NA	NA
Acrylonitrile	--	--	100 U	NA	NA	NA	--	--	--	--	NA	NA	100 U	NA	NA	NA
Benzene	5	0.5	5 U	NA	5 U	5 U	--	--	--	--	0.44 U	2 U	5 U	NA	5 U	5 U
Bromobenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.71 U	NA	NA	NA	NA	NA
Bromochloromethane	--	--	NA	NA	NA	NA	--	--	--	--	0.7 U	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	5 U	NA	5 U	5 U	--	--	--	--	1 U	2 U	5 U	NA	5 U	5 U
Bromoethane	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Bromoform	--	--	5 U	NA	5 U	5 U	--	--	--	--	1.5 U	NA	5 U	NA	5 U	5 U
Bromomethane	10	1	10 U	NA	10 U	10 U	--	--	--	--	1.3 U	2 U	10 U	NA	10 U	10 U
2-Butanone (Methyl ethyl ketone)	460	90	10 U	NA	NA	NA	--	--	--	--	NA	10 U	10 U	NA	NA	NA
Carbon disulfide	--	--	5 U	NA	NA	NA	--	--	--	--	NA	2 U	5 U	NA	NA	NA
Carbon tetrachloride	5	0.5	5 U	NA	5 U	5 U	--	--	--	--	1 U	2 U	5 U	NA	5 U	5 U
Chlorobenzene	--	--	5 U	NA	5 U	5 U	--	--	--	--	0.41 U	2 U	5 U	NA	5 U	5 U
Chlorodibromomethane	--	--	NA	NA	NA	NA	--	--	--	--	NA	2 U	NA	NA	NA	NA
Chloroethane	400	80	10 U	NA	10 U	10 U	--	--	--	--	0.82 U	2 U	10 U	NA	10 U	10 U
2-Chloroethylvinyl ether	--	--	10 U	NA	10 U	10 U	--	--	--	--	NA	10 U	10 U	NA	10 U	10 U
Chloroform	6	0.6	5 U	NA	5 U	5 U	--	--	--	--	0.56 U	2 U	5 U	NA	5 U	5 U
Chloromethane	3	0.3	10 U	NA	10 U	10 U	--	--	--	--	0.67 Y	2 U	10 U	NA	10 U	10 U
2-Chlorotoluene	--	--	NA	NA	NA	NA	--	--	--	--	0.63 U	NA	NA	NA	NA	NA
4-Chlorotoluene	--	--	NA	NA	NA	NA	--	--	--	--	0.73 U	NA	NA	NA	NA	NA
Dibromomethane	--	--	5 U	NA	NA	NA	--	--	--	--	0.92 U	NA	5 U	NA	NA	NA
Dibromochloromethane	60	6	5 U	NA	5 U	5 U	--	--	--	--	1.5 U	NA	5 U	NA	5 U	5 U
Dichlorodifluoromethane	--	--	10 U	NA	NA	NA	--	--	--	--	0.99 U	NA	10 U	NA	NA	NA
1,3-Dichlorobenzene	1250	125	NA	NA	100 U	100 U	--	--	--	--	0.72 U	NA	NA	NA	100 U	100 U
1,4-Dichlorobenzene	75	15	NA	NA	100 U	100 U	--	--	--	--	0.82 U	NA	NA	NA	100 U	100 U
1,2-Dichlorobenzene	600	60	NA	NA	100 U	100 U	--	--	--	--	0.82 U	NA	NA	NA	100 U	100 U
1,1-Dichloroethane	850	85	5 U	NA	5 U	5 U	--	--	--	--	1.1 U	2 U	5 U	NA	5 U	5 U
1,2-Dichloroethane	5	0.5	5 U	NA	5 U	5 U	--	--	--	--	0.41 U	2 U	5 U	NA	5 U	5 U
1,1-Dichloroethene	7	0.7	5 U	NA	5 U	5 U	--	--	--	--	1.3 U	2 U	5 U	NA	5 U	5 U
cis-1,2-Dichloroethene	70	7	NA	NA	NA	NA	--	--	--	U	0.53 U	2 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	100	20	NA	NA	5 U	NA	--	U	--	--	1 U	2 U	NA	NA	5 U	NA
Total 1,2-Dichlorethene	--	--	5 U	NA	NA	5 U	--	--	--	--	NA	NA	5 U	NA	NA	5 U
1,2-Dichloropropane	5	0.5	5 U	NA	5 U	5 U	--	--	--	--	0.65 U	2 U	5 U	NA	5 U	5 U
cis-1,3-Dichloropropene	0.2	0.02	5 U	NA	5 U	5 U	--	--	--	--	0.41 U	2 U	5 U	NA	5 U	5 U
trans-1,3-Dichloropropene	0.2	0.02	5 U	NA	5 U	5 U	--	--	--	--	0.33 U	2 U	5 U	NA	5 U	5 U
Ethylbenzene	700	140	5 U	NA	5 U	5 U	--	--	--	--	0.5 U	2 U	5 U	NA	5 U	5 U
2-Hexanone	--	--	10 U	NA	NA	NA	--	--	--	--	NA	10 U	10 U	NA	NA	NA
Methylene chloride	5	0.5	5 U	NA	[illegible]	5 U	1.5	1.6	--	U	1.7 B	2 U	5 U	NA	[illegible]	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	10 U	NA	NA	NA	--	--	--	--	NA	10 U	10 U	NA	NA	NA
Styrene	100	10	5 U	NA	NA	NA	--	--	--	--	0.54 U	2 U	5 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	0.2	0.02	5 U	NA	5 U	5 U	--	--	--	--	0.84 U	2 U	5 U	NA	5 U	5 U
Tetrachloroethene	5	0.5	5 U	NA	5 U	5 U	U	--	U	U	0.57 U	2 U	5 U	NA	5 U	5 U
Toluene	343	68.6	5 U	NA	5 U	5 U	U	--	--	--	0.41 U	2 U	5 U	NA	5 U	5 U
1,1,1-Trichloroethane	200	40	5 U	NA	5 U	5 U	--	--	--	--	0.91 U	2 U	5 U	NA	5 U	5 U

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TA. _ 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DGC-7 4/11/91	DGC-7 4/18/91	DGC-7 8/28/91	DGC-7 8/28/91 Split	DGC-7 Apr-92	DGC-7 Jul-92	DGC-7 Nov-92	DGC-7 Jan-93	DGC-7 12/11/96	DGC-7 8/20/98	DGC-8 4/12/91	DGC-8 4/18/91	DGC-8 8/28/91	DGC-8 8/28/91 Split
1,1,2-Trichloroethane	5	0.5	5 U	NA	5 U	5 U	--	--	--	--	0.47 U	2 U	5 U	NA	5 U	5 U
Trichloroethene	5	0.5	5 U	NA	5 U	5 U	U	U	U	U	0.52 U	2 U	5 U	NA	5 U	5 U
Trichlorofluoromethane	--	--	10 U	NA	10 U	10 U	--	--	--	--	1.3 U	2 U	10 U	NA	10 U	10 U
Vinyl acetate	--	--	10 U	NA	NA	NA	--	--	--	--	NA	2 U	10 U	NA	NA	NA
Vinyl chloride	0.2	0.02	10 U	NA	10 U	10 U	--	--	--	--	0.62 U	2 U	10 U	NA	10 U	10 U
o-Xylene	620	124	NA	NA	NA	NA	--	--	--	--	0.41 U	NA	NA	NA	NA	NA
m/p-Xylene	620	124	NA	NA	NA	NA	--	--	--	--	0.98 U	NA	NA	NA	NA	NA
Total Xylenes	620	124	5 U	NA	5 U	NA	--	--	--	--	NA	2 U	5 U	NA	5 U	NA
2,2-Dichloropropane	--	--	NA	NA	NA	NA	--	--	--	--	0.84 U	NA	NA	NA	NA	NA
1,1-Dichloropropene	--	--	NA	NA	NA	NA	--	--	--	--	0.83 U	NA	NA	NA	NA	NA
1,3-Dichloropropane	--	--	NA	NA	NA	NA	--	--	--	--	1.1 U	NA	NA	NA	NA	NA
1,2-Dibromoethane	--	--	NA	NA	NA	NA	--	--	--	--	0.97 U	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	--	--	NA	NA	NA	NA	--	--	--	--	0.67 U	NA	NA	NA	NA	NA
Isopropylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.51 U	NA	NA	NA	NA	NA
n-Propylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.56 U	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.51 U	NA	NA	NA	NA	NA
tert-Butylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.62 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.37 Y	NA	NA	NA	NA	NA
sec-Butylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.58 U	NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--	NA	NA	NA	NA	--	--	--	--	0.57 U	NA	NA	NA	NA	NA
n-Butylbenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.64 U	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	NA	--	--	--	--	1.5 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	NA	--	--	--	--	0.59 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	--	--	NA	NA	NA	NA	--	--	--	--	0.86 U	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--	NA	NA	NA	NA	--	--	--	--	0.78 U	NA	NA	NA	NA	NA
Methyl-tert-butyl-ether	60	12	NA	NA	NA	NA	--	--	--	--	0.88 U	NA	NA	NA	NA	NA
Isopropyl Ether	--	--	NA	NA	NA	NA	--	--	--	--	0.48 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--	5 U	NA	NA	NA	--	--	--	--	0.2 Y	NA	5 U	NA	NA	NA
Benzo(a)anthracene	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	NA	NA	NA	NA	--	--	--	2.7	1.1 U	NA	NA	NA	NA	NA
2-Nitrophenol	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Lead	15	1.5	7.1	NA	NA	NA	--	--	--	--	NA	NA	340	NA	NA	NA
Dissolved Lead	--	--	NA	4 U	NA	NA	--	--	--	--	NA	NA	NA	4 U	NA	NA
Mercury	2	0.2	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	NA	--	--	--	--	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TA. . 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DGC-8 12/11/96	DGC-8 8/20/98	DGC-9 4/11/91	DGC-9 4/18/91	DGC-9 8/28/91	DGC-9 8/28/91 Split	DGC-10 10/13/91	DGC-10 10/13/91 Split	DGC-10 12/11/96	DGC-10 8/19/98	DGC-11 10/13/91	DGC-11 10/13/91 Split	DGC-11 12/12/96	Sump 7/11/94
Acetone	1000	200	NA	10 U	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acrolein	--	--	NA	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	--	--	NA	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5	0.5	0.44 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.44 U	2 U	5 U	5 U	0.44 U	1 U
Bromobenzene	--	--	0.71 U	NA	NA	NA	NA	NA	NA	NA	0.71 U	NA	NA	NA	0.71 U	NA
Bromochloromethane	--	--	0.7 U	NA	NA	NA	NA	NA	NA	NA	0.7 U	NA	NA	NA	0.7 U	NA
Bromodichloromethane	0.6	0.06	1 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	1 U	2 U	5 U	5 U	1 U	1 U
Bromoethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	--	--	1.5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	1.5 U	NA	5 U	5 U	1.5 U	3 U
Bromomethane	10	1	1.3 U	2 U	10 U	NA	10 U	10 U	10 U	10 U	1.3 U	2 U	10 U	10 U	1.3 U	NA
2-Butanone (Methyl ethyl ketone)	460	90	NA	10 U	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Carbon disulfide	--	--	NA	2 U	5 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Carbon tetrachloride	5	0.5	1 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	1 U	2 U	5 U	5 U	1 U	1 U
Chlorobenzene	--	--	0.41 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.41 U	2 U	5 U	5 U	0.41 U	NA
Chlorodibromomethane	--	--	NA	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Chloroethane	400	80	0.82 U	2 U	10 U	NA	10 U	10 U	10 U	10 U	0.82 U	2 U	10 U	10 U	0.82 U	NA
2-Chloroethylvinyl ether	--	--	NA	10 U	10 U	NA	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	NA	NA
Chloroform	6	0.6	0.56 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.56 U	2 U	5 U	5 U	0.56 U	1 U
Chloromethane	3	0.3	0.85	2 U	10 U	NA	10 U	10 U	10 U	10 U	1.1	2 U	10 U	10 U	0.92	NA
2-Chlorotoluene	--	--	0.63 U	NA	NA	NA	NA	NA	NA	NA	0.63 U	NA	NA	NA	0.63 U	NA
4-Chlorotoluene	--	--	0.73 U	NA	NA	NA	NA	NA	NA	NA	0.73 U	NA	NA	NA	0.73 U	NA
Dibromomethane	--	--	0.92 U	NA	5 U	NA	NA	NA	NA	NA	0.92 U	NA	NA	NA	0.92 U	NA
Dibromochloromethane	60	6	1.5 U	NA	5 U	NA	5 U	5 U	5 U	5 U	1.5 U	NA	5 U	5 U	1.5 U	NA
Dichlorodifluoromethane	--	--	0.99 U	NA	10 U	NA	NA	NA	NA	NA	0.99 U	NA	NA	NA	0.99 U	NA
1,3-Dichlorobenzene	1250	125	0.72 U	NA	NA	NA	100 U	100 U	5 U	100 U	0.72 U	NA	5 U	100 U	0.72 U	NA
1,4-Dichlorobenzene	75	15	0.82 U	NA	NA	NA	100 U	100 U	5 U	100 U	0.82 U	NA	5 U	100 U	0.82 U	NA
1,2-Dichlorobenzene	600	60	0.82 U	NA	NA	NA	100 U	100 U	5 U	100 U	0.82 U	NA	5 U	100 U	0.82 U	NA
1,1-Dichloroethane	850	85	1.1 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	1.1 U	2 U	5 U	5 U	1.1 U	NA
1,2-Dichloroethane	5	0.5	0.41 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.41 U	2 U	5 U	5 U	0.41 U	1 U
1,1-Dichloroethene	7	0.7	1.3 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	1.3 U	2 U	5 U	5 U	1.3 U	1 U
cis-1,2-Dichloroethene	70	7	0.53 U	2 U	NA	NA	NA	NA	5 U	NA	0.53 U	2 U	5 U	NA	0.53 U	NA
trans-1,2-Dichloroethene	100	20	1 U	2 U	NA	NA	5 U	NA	5 U	NA	1 U	2 U	5 U	NA	1 U	NA
Total 1,2-Dichlorethene	--	--	NA	NA	5 U	NA	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA	1 U
1,2-Dichloropropane	5	0.5	0.65 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.65 U	2 U	5 U	5 U	0.65 U	NA
cis-1,3-Dichloropropene	0.2	0.02	0.41 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.41 U	2 U	5 U	5 U	0.41 U	NA
trans-1,3-Dichloropropene	0.2	0.02	0.33 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.33 U	2 U	5 U	5 U	0.33 U	NA
Ethylbenzene	700	140	0.5 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.5 U	2 U	5 U	5 U	0.5 U	1 U
2-Hexanone	--	--	NA	10 U	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Methylene chloride	5	0.5	0.57 BY	2 U	5 U	NA	[illegible]	5 U	5 U	5 U	0.81 BY	2 U	5 U	5 U	1.4 B	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	NA	10 U	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Styrene	100	10	0.54 U	2 U	5 U	NA	NA	NA	NA	NA	0.54 U	2 U	NA	NA	0.54 U	NA
1,1,2,2-Tetrachloroethane	0.2	0.02	0.84 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.84 U	2 U	5 U	5 U	0.84 U	1 U
Tetrachloroethene	5	0.5	0.57 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.57 U	2 U	5 U	5 U	0.57 U	4.2
Toluene	343	68.6	0.41 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.19 Y	2 U	5 U	5 U	0.37 Y	1 U
1,1,1-Trichloroethane	200	40	0.91 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.91 U	2 U	5 U	5 U	0.91 U	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	DGC-8 12/11/96	DGC-8 8/20/98	DGC-9 4/11/91	DGC-9 4/18/91	DGC-9 8/28/91	DGC-9 8/28/91 Split	DGC-10 10/13/91	DGC-10 10/13/91 Split	DGC-10 12/11/96	DGC-10 8/19/98	DGC-11 10/13/91	DGC-11 10/13/91 Split	DGC-11 12/12/96	Sump 7/11/94
1,1,2-Trichloroethane	5	0.5	0.47 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.47 U	2 U	5 U	5 U	0.47 U	1 U
Trichloroethene	5	0.5	0.52 U	2 U	5 U	NA	5 U	5 U	5 U	5 U	0.52 U	2 U	5 U	5 U	0.52 U	[illegible]
Trichlorofluoromethane	--	--	1.3 U	2 U	10 U	NA	10 U	10 U	5 U	10 U	1.3 U	2 U	5 U	10 U	1.3 U	34.1
Vinyl acetate	--	--	NA	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA
Vinyl chloride	0.2	0.02	0.62 U	2 U	10 U	NA	10 U	10 U	10 U	10 U	0.62 U	2 U	10 U	10 U	0.62 U	3 U
o-Xylene	620	124	0.41 U	NA	NA	NA	NA	NA	NA	NA	0.41 U	NA	NA	NA	0.41 U	1 U
m/p-Xylene	620	124	0.98 U	NA	NA	NA	NA	NA	NA	NA	0.98 U	NA	NA	NA	0.98 U	1 U
Total Xylenes	620	124	NA	2 U	5 U	NA	5 U	NA	NA	NA	NA	2 U	NA	NA	NA	NA
2,2-Dichloropropane	--	--	0.84 U	NA	NA	NA	NA	NA	NA	NA	0.84 U	NA	NA	NA	0.84 U	NA
1,1-Dichloropropene	--	--	0.83 U	NA	NA	NA	NA	NA	NA	NA	0.83 U	NA	NA	NA	0.83 U	NA
1,3-Dichloropropane	--	--	1.1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA
1,2-Dibromoethane	--	--	0.97 U	NA	NA	NA	NA	NA	NA	NA	0.97 U	NA	NA	NA	0.97 U	NA
1,1,1,2-Tetrachloroethane	--	--	0.67 U	NA	NA	NA	NA	NA	NA	NA	0.67 U	NA	NA	NA	0.67 U	NA
Isopropylbenzene	--	--	0.51 U	NA	NA	NA	NA	NA	NA	NA	0.51 U	NA	NA	NA	0.51 U	NA
n-Propylbenzene	--	--	0.56 U	NA	NA	NA	NA	NA	NA	NA	0.56 U	NA	NA	NA	0.56 U	NA
1,3,5-Trimethylbenzene	--	--	0.51 U	NA	NA	NA	NA	NA	NA	NA	0.51 U	NA	NA	NA	0.51 U	NA
tert-Butylbenzene	--	--	0.62 U	NA	NA	NA	NA	NA	NA	NA	0.62 U	NA	NA	NA	0.62 U	NA
1,2,4-Trimethylbenzene	--	--	0.26 BY	NA	NA	NA	NA	NA	NA	NA	0.3 BY	NA	NA	NA	0.41 B	NA
sec-Butylbenzene	--	--	0.58 U	NA	NA	NA	NA	NA	NA	NA	0.58 U	NA	NA	NA	0.58 U	NA
p-Isopropyltoluene	--	--	0.57 U	NA	NA	NA	NA	NA	NA	NA	0.57 U	NA	NA	NA	0.57 U	NA
n-Butylbenzene	--	--	0.64 U	NA	NA	NA	NA	NA	NA	NA	0.64 U	NA	NA	NA	0.64 U	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	1.5 U	NA	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	1.5 U	NA
1,2,4-Trichlorobenzene	70	14	0.59 U	NA	NA	NA	NA	NA	NA	NA	0.59 U	NA	NA	NA	0.59 U	NA
Hexachlorobutadiene	--	--	0.86 U	NA	NA	NA	NA	NA	NA	NA	0.86 U	NA	NA	NA	0.86 U	NA
1,2,3-Trichlorobenzene	--	--	0.78 U	NA	NA	NA	NA	NA	NA	NA	0.78 U	NA	NA	NA	0.78 U	NA
Methyl-tert-butyl-ether	60	12	0.43 Y	NA	NA	NA	NA	NA	NA	NA	0.88 U	NA	NA	NA	0.88 U	NA
Isopropyl Ether	--	--	0.48 U	NA	NA	NA	NA	NA	NA	NA	0.48 U	NA	NA	NA	0.23 Y	NA
1,2,3-Trichloropropane	--	--	0.5 U	NA	5 U	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	0.5 U	NA
Benzo(a)anthracene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	1.1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA	NA	NA	1.1 U	NA
2-Nitrophenol	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	15	1.5	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	--	--	NA	NA	NA	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TA. 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	Sump 8/1/94	Sump 9/19/94	Sump 12/11/96	Sump 8/19/98	MW02 12/12/96	MW02 8/19/98	MW01D 12/12/96	MW01D 8/19/98
Acetone	1000	200	NA	NA	NA	10 U	NA	10 U	NA	10 U
Acrolein	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5	0.5	1 U	0.3 U	0.44 U	2 U	0.44 U	2 U	0.44 U	2 U
Bromobenzene	--	--	NA	NA	0.71 U	NA	0.71 U	NA	0.71 U	NA
Bromochloromethane	--	--	NA	NA	0.7 U	NA	0.7 U	NA	0.7 U	NA
Bromodichloromethane	0.6	0.06	1 U	0.4 U	1 U	2 U	1 U	2 U	1 U	2 U
Bromoethane	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	--	--	3 U	0.4 U	1.5 U	NA	1.5 U	NA	1.5 U	NA
Bromomethane	10	1	NA	NA	1.3 U	2 U	1.3 U	2 U	1.3 U	2 U
2-Butanone (Methyl ethyl ketone)	460	90	NA	NA	NA	10 U	NA	10 U	NA	10 U
Carbon disulfide	--	--	NA	NA	NA	2 U	NA	2 U	NA	2 U
Carbon tetrachloride	5	0.5	1 U	1.1 U	1 U	2 U	1 U	2 U	1 U	2 U
Chlorobenzene	--	--	NA	NA	0.41 U	2 U	0.41 U	2 U	0.41 U	2 U
Chlorodibromomethane	--	--	NA	NA	NA	2 U	NA	2 U	NA	2 U
Chloroethane	400	80	NA	NA	0.82 U	2 U	0.82 U	2 U	0.82 U	2 U
2-Chloroethylvinyl ether	--	--	NA	NA	NA	10 U	NA	10 U	NA	10 U
Chloroform	6	0.6	1 U	0.3 U	0.56 U	2 U	0.56 U	2 U	0.19 Y	2 U
Chloromethane	3	0.3	NA	NA	0.47 Y	2 U	0.44 Y	2 U	0.66 Y	2 U
2-Chlorotoluene	--	--	NA	NA	0.63 U	NA	0.63 U	NA	0.63 U	NA
4-Chlorotoluene	--	--	NA	NA	0.73 U	NA	0.73 U	NA	0.73 U	NA
Dibromomethane	--	--	NA	NA	0.92 U	NA	0.92 U	NA	0.92 U	NA
Dibromochloromethane	60	6	NA	NA	1.5 U	NA	1.5 U	NA	1.5 U	NA
Dichlorodifluoromethane	--	--	NA	NA	0.99 U	NA	0.99 U	NA	0.99 U	NA
1,3-Dichlorobenzene	1250	125	NA	NA	0.72 U	NA	0.72 U	NA	0.72 U	NA
1,4-Dichlorobenzene	75	15	NA	NA	0.82 U	NA	0.82 U	NA	0.82 U	NA
1,2-Dichlorobenzene	600	60	NA	NA	0.82 U	NA	0.82 U	NA	0.82 U	NA
1,1-Dichloroethane	850	85	NA	NA	1.1 U	2 U	1.1 U	2 U	1.1 U	2 U
1,2-Dichloroethane	5	0.5	1 U	0.4 U	0.41 U	2 U	0.41 U	2 U	0.41 U	2 U
1,1-Dichloroethene	7	0.7	1 U	0.6 U	1.3 U	2 U	1.3 U	2 U	1.3 U	2 U
cis-1,2-Dichloroethene	70	7	NA	31	2.6	4.4	2.9	2 U	0.53 U	2 U
trans-1,2-Dichloroethene	100	20	NA	22	1 U	2 U	2.1	2 U	1 U	2 U
Total 1,2-Dichlorethene	--	--	24.23	BLANK	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	0.5	NA	NA	0.65 U	2 U	0.65 U	2 U	0.65 U	2 U
cis-1,3-Dichloropropene	0.2	0.02	NA	NA	0.41 U	2 U	0.41 U	2 U	0.41 U	2 U
trans-1,3-Dichloropropene	0.2	0.02	NA	NA	0.33 U	2 U	0.33 U	2 U	0.33 U	2 U
Ethylbenzene	700	140	1 U	0.4 U	0.5 U	2 U	0.5 U	2 U	0.5 U	2 U
2-Hexanone	--	--	NA	NA	NA	10 U	NA	10 U	NA	10 U
Methylene chloride	5	0.5	NA	0.7 U	1.2 B	2 U	0.85 B	2.6 A	1.6 B	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500	50	NA	NA	NA	10 U	NA	10 U	NA	10 U
Styrene	100	10	NA	NA	0.54 U	2 U	0.54 U	2 U	0.54 U	2 U
1,1,2,2-Tetrachloroethane	0.2	0.02	1 U	0.5 U	0.84 U	2 U	0.84 U	2 U	0.84 U	2 U
Tetrachloroethene	5	0.5	2.49	1.3	0.96	2 U	0.57 U	2 U	0.57 U	2 U
Toluene	343	68.6	1 U	0.4 U	0.48	2 U	0.2 Y	2 U	0.26 Y	2 U
1,1,1-Trichloroethane	200	40	NA	NA	0.91 U	2 U	0.91 U	2 U	0.91 U	2 U

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD

TABLE 1
GROUNDWATER ANALYTICAL DATA
ALDRICH CHEMICAL COMPANY
6000 North Teutonia Avenue, Milwaukee, Wisconsin

Compound	Enforcement Standard	Preventive Action Limit	Sump 8/1/94	Sump 9/19/94	Sump 12/11/96	Sump 8/19/98	MW02 12/12/96	MW02 8/19/98	MW01D 12/12/96	MW01D 8/19/98
1,1,2-Trichloroethane	5	0.5	1 U	0.4 U	0.47 U	2 U	0.47 U	2 U	0.47 U	2 U
Trichloroethene	5	0.5	21.82	13.1	1.9	2 U	0.52 U	2 U	0.52 U	2 U
Trichlorofluoromethane	--	--	14.26	0.5 U	3.1	2 U	1.3 U	2 U	1.3 U	2 U
Vinyl acetate	--	--	NA	NA	NA	2 U	NA	2 U	NA	2 U
Vinyl chloride	0.2	0.02	3 U	0.8 U	0.62 U	2 U	0.62 U	2 U	0.62 U	2 U
o-Xylene	620	124	1 U	0.6 U	0.41 U	NA	0.41 U	NA	0.41 U	NA
m/p-Xylene	620	124	1 U	0.7 U	0.98 U	NA	0.98 U	NA	0.98 U	NA
Total Xylenes	620	124	NA	NA	NA	2 U	NA	2 U	NA	2 U
2,2-Dichloropropane	--	--	NA	NA	0.84 U	NA	0.84 U	NA	0.84 U	NA
1,1-Dichloropropene	--	--	NA	NA	0.83 U	NA	0.83 U	NA	0.83 U	NA
1,3-Dichloropropane	--	--	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA
1,2-Dibromoethane	--	--	NA	NA	0.97 U	NA	0.97 U	NA	0.97 U	NA
1,1,1,2-Tetrachloroethane	--	--	NA	NA	0.67 U	NA	0.67 U	NA	0.67 U	NA
Isopropylbenzene	--	--	NA	NA	0.51 U	NA	0.51 U	NA	0.51 U	NA
n-Propylbenzene	--	--	NA	NA	0.56 U	NA	0.56 U	NA	0.56 U	NA
1,3,5-Trimethylbenzene	--	--	NA	NA	0.51 U	NA	0.51 U	NA	0.51 U	NA
tert-Butylbenzene	--	--	NA	NA	0.62 U	NA	0.62 U	NA	0.62 U	NA
1,2,4-Trimethylbenzene	--	--	NA	NA	0.31 Y	NA	0.36 BY	NA	0.38 BY	NA
sec-Butylbenzene	--	--	NA	NA	0.58 U	NA	0.58 U	NA	0.58 U	NA
p-Isopropyltoluene	--	--	NA	NA	0.57 U	NA	0.57 U	NA	0.57 U	NA
n-Butylbenzene	--	--	NA	NA	0.64 U	NA	0.64 U	NA	0.64 U	NA
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	1.5 U	NA	1.5 U	NA	1.5 U	NA
1,2,4-Trichlorobenzene	70	14	NA	NA	0.59 U	NA	0.59 U	NA	0.59 U	NA
Hexachlorobutadiene	--	--	NA	NA	0.86 U	NA	0.86 U	NA	0.86 U	NA
1,2,3-Trichlorobenzene	--	--	NA	NA	0.78 U	NA	0.78 U	NA	0.78 U	NA
Methyl-tert-butyl-ether	60	12	NA	NA	0.88 U	NA	0.88 U	NA	0.88 U	NA
Isopropyl Ether	--	--	NA	NA	0.21 Y	NA	0.48 U	NA	0.48 U	NA
1,2,3-Trichloropropane	--	--	NA	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA
Benzo(a)anthracene	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	40	8	NA	NA	1.1 U	NA	1.1 U	NA	1.1 U	NA
2-Nitrophenol	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	130	NA	NA	NA	NA	NA	NA	NA	NA
Lead	15	1.5	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	20	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	500	250	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	NA	NA	NA	NA	NA	NA	NA	NA
pH	--	--	NA	NA	NA	NA	NA	NA	NA	NA

ALL UNITS IN MICROGRAMS PER LITER (ppb)

SHADING INDICATES EXCEEDENCE OF ENFORCEMENT STANDARD