Bendix

Bendix Energy Controls Division
717 North Bendix Drive
South Bend, IN 46620

Allied Signal

March 23, 1988

DATE/RECEIVED

MAR 3 0 1988

DEM

Mr. Glenn Pratt
Office of Environmental
Management
105 South Meridian Street
P. O. Box 6015
Indianapolis, Indiana 46206-6015

Subject: Hydro-Geological Monitoring Applicable to the South Bend, Indiana Divisions of Allied-Signal Inc.

Dear Mr. Pratt:

Enclosed is a copy of the Groundwater Monitoring Quarterly Report for 4th Quarter 1987, submitted by T. A. Gleason Associates. Allied-Signal has also submitted copies of the report to the City of South Bend, the United States Environmental Protection Agency and the St. Joseph County Health Department.

If we can of of assistance with respect to the report, please advise the undersigned.

Sincerely,

Allied-Signal Inc.
Bendix Engine Controls Division

T. L. Moore
President

TLM/ed

Enclosure

t a gleason
associates

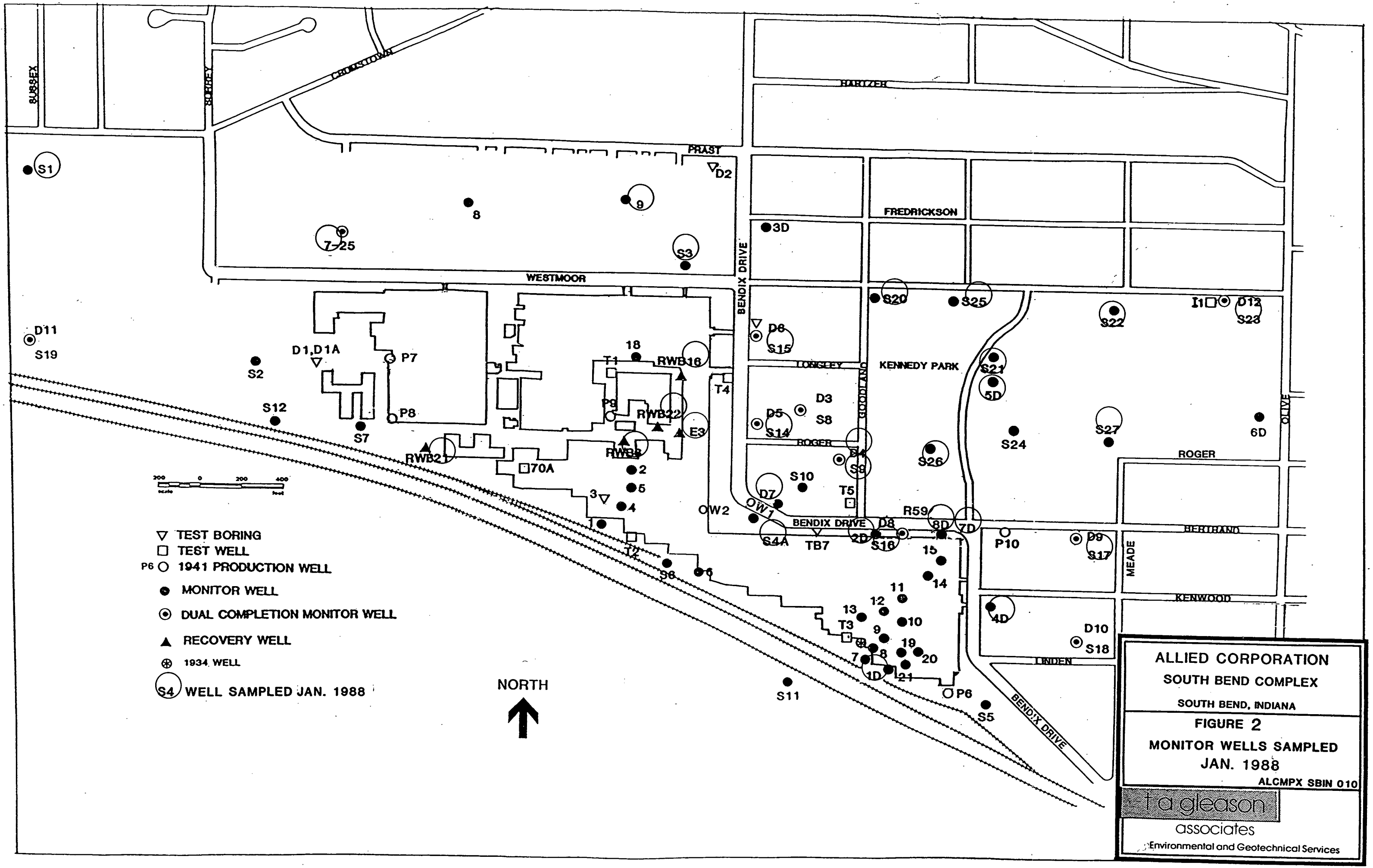
GROUNDWATER MONITORING REPORT
4TH QUARTER 1987
ALLIED CORPORATION
BENDIX DIVISION
SOUTH BEND, INDIANA

ALCMPX SBIN 010

March 1, 1988

COPY # 17

Environmental and Geotechnical Services
4950 Eastern Avenue Cincinnati, Ohio 45226 (513) 321-9950

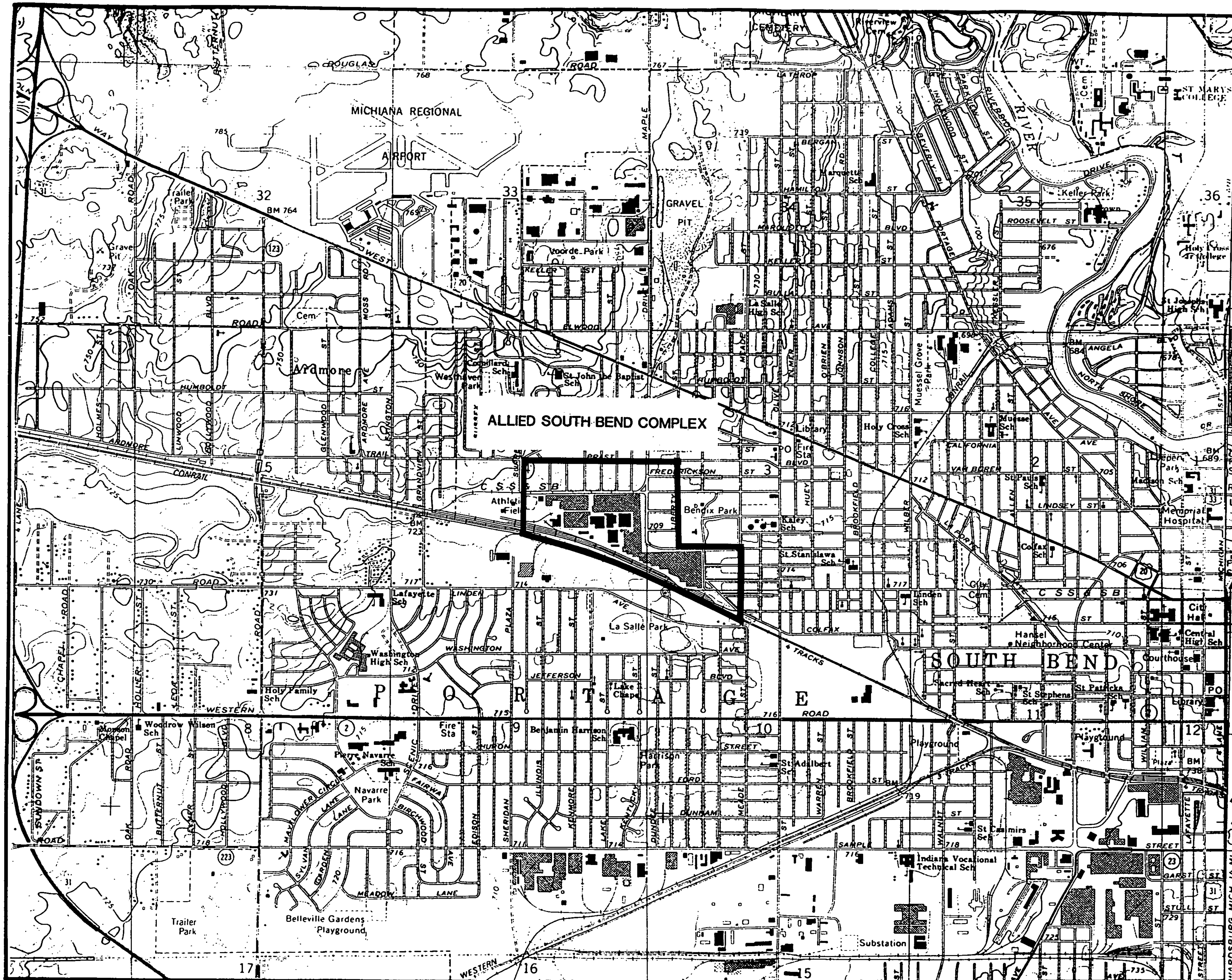


ALLIED CORPORATION
SOUTH BEND COMPLEX
SOUTH BEND, INDIANA

FIGURE 2
MONITOR WELLS SAMPLED
JAN. 1988

ALCMPX SBIN 010

t a gleason associates
Environmental and Geotechnical Services



ALLIED AUTOMOTIVE

SOUTH BEND, INDIANA

FIGURE 1

SITE LOCATION

Project No ALCMPX SBIN 010

t a gleason associates

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION AND BACKGROUND

Presented herein are the results of the most recent groundwater sampling and groundwater elevation measurements performed at the Allied Corporation, Bendix Complex, South Bend, Indiana (Figure 1). These results are a continuation of the groundwater monitoring program initiated by Allied in 1981.

2.0 WATER LEVEL MEASUREMENTS

Water elevations were measured from forty-eight (48) groundwater wells in and around the Bendix Complex on January 12, 1988 (see Figure 2). The measurements were made with an electronic water level indicator manufactured by Solinst Inc., Ontario Canada. All measurements were taken to the nearest .01 foot to a point on the well casings which have been surveyed to obtain a reference elevation. The new monitor wells and most of the existing monitor wells were surveyed by Lang, Feeney & Assoc., Inc. during September 1987 to verify the reference elevations.

Water level measurements and the calculated water elevations are presented in Table 1.

3.0 BLADDER PUMP INSTALLATION

Bladder pumps were installed in wells S-4A, S-25, S-26, S-27, 7-D, and 8-D during this sampling episode. Well S-24 will have the bladder pump installed during the next scheduled sampling round.

4.0 WELL SAMPLING

Thirty (30) wells were sampled on January 13 through 15, 1988. Table 2 presents a summary of the wells sampled and the parameters for which they were analyzed. As shown in Table 2, twenty-five (25) monitor wells and five (5) recovery wells were sampled. Well S-24 was not sampled this episode but will be sampled during the next quarterly sampling.

4.1 PURGING

Prior to sampling, the water level and total well depth were measured and the well volume was calculated. Three (3) to five (5) well volumes were then removed from each monitor well using a centrifugal pump connected to the water outlet side of the dedicated bladder pumps. The bladder pump was used to purge the low yielding wells. The recovery well taps were allowed to run approximately five minutes prior to sample collection.

4.2 SAMPLING

Monitor well samples were obtained from each well using either a dedicated bladder pump or PVC bailer. The bailer was carefully lowered into and withdrawn from the well to avoid agitation of the samples. Well samples were collected directly from a tap on the outlet pipe from the wells in which a bladder pump had been installed, and on the recovery wells.

In addition, as part of our Quality Assurance Procedures, duplicate samples were taken at monitor wells D-4, 8D and RWB-22 and two (2) field blanks were prepared and submitted for analysis with the samples collected. Samples were measured in the field for pH, Specific Conductivity and Temperature.

4.3 SAMPLE HANDLING

Appropriate EPA-approved containers for the above mentioned parameters were obtained from Aqua Tech Environmental Consultants, Inc., Melmore, Ohio. In addition, the containers for metals, cyanide and phenols contained the required preservatives. All samples for metals analysis including the field blanks were filtered through a .45 micron cellulose filter prior to being placed in the sample containers. All samples were placed in insulated coolers with ice packs immediately after collection and shipped directly to Aqua Tech with the completed chain of custody forms.

5.0 ANALYTICAL PROCEDURES AND RESULTS

Aqua Tech Laboratories performed analysis on all samples in accordance with USEPA analytical protocols.

The results of the analyses for metals (chromium, lead and zinc), cyanide and phenols are presented in Table 3 and 4. The results of the analyses for volatile organic compounds are summarized in Tables 5 and 6.

The laboratory results are maintained in our files and are available upon request.

=26-Jan-88

WLM1

WELL NO.	(1) REFERENCE ELEVATION	01/12/88 WATER DEPTH	01/12/88 WATER ELEVATION	09/01/87 WATER DEPTH	09/01/87 WATER ELEVATION
S-1	728.09	NM		25.61	702.48
S-2	721.82	20.62	701.20	20.90	700.92
S-3	716.65	19.95	696.70	20.16	696.49
S-5	712.83	14.18	698.65	14.30	698.53
S-6	713.08	NM		16.24	696.84
S-7	716.16	17.72	698.44	17.92	698.24
S-8	714.65	18.39	696.26	18.56	696.09
S-9	714.17	17.28	696.89	17.51	696.66
S-10	*715.40	NM		NM	
S-11	*715.64	NM		NM	
S-12	721.45	20.15	701.30	20.43	701.02
S-13	*721.10	NM		NM	
S-14	711.86	15.42	696.44	15.60	696.26
S-15	714.37	18.27	696.10	18.47	695.90
S-16	716.18	18.62	697.56	18.73	697.45
S-17	716.97	NM		19.11	697.86
S-18	715.41	17.00	698.41	16.91	698.50
S-19	723.38	20.43	702.95	20.79	702.59
S-20	709.97	15.09	694.88	14.32	695.65
S-21	711.33	NM		15.53	695.80
S-22	709.33	NM		14.06	695.27
S-23	710.24	15.95	694.29	15.93	694.31
S-24	713.03	NM		16.19	696.84
S-25	710.60	15.30	695.30	15.37	695.23
S-26	714.50	17.52	696.98	17.53	696.97
S-27	715.40	18.87	696.53	18.58	696.82
D-1	*720.73	NM		NM	
D-1A	*721.69	NM		NM	
D-3	714.51	18.06	696.45	18.50	696.01
D-4	717.85	20.70	697.15	21.07	696.78
D-5	712.14	15.31	696.83	15.75	696.39
D-7	713.83	16.42	697.41	16.83	697.00
D-8	717.04	19.50	697.54	19.91	697.13
D-9	*717.00	NM		NM	
D-10	716.53	18.00	698.53	18.17	698.36
D-11	723.47	20.53	702.94	20.91	702.56
D-12	710.29	22.30	687.99	23.04	687.25
I-1	711.52	16.76	694.76	16.25	695.27
1-D	714.17	16.32	697.85	16.67	697.50
2-D	715.36	17.75	697.61	NM	
3-D	713.29	18.22	695.07	NM	
4-D	712.10	22.56	689.54	22.90	689.20
5-D	712.01	23.53	688.48	24.35	687.66
6-D	711.41	23.39	688.02	24.12	687.29
7-D	714.85	17.85	697.00	18.25	696.60
8-D	714.56	17.17	697.39	17.59	696.97

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

1 = SURVEYED BY LANG, FEENEY & ASSOC., INC. 9/87. WATER ELEVATIONS PRIOR TO JULY 1987 ARE BASED ON FORMER REFERENCE ELEVATIONS.

* = FORMER REFERENCE ELEVATIONS

TABLE 1

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED COMPLEX
SOUTH BEND, INDIANA
PROJECT # ALCMPX 010

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND GEOTECHNICAL SERVICES

=28-Jan-88

WLM2

WELL NO.	(1) REFERENCE ELEVATION	01/12/88 WATER DEPTH	01/12/88 WATER ELEVATION	09/01/87 WATER DEPTH	09/01/87 WATER ELEVATION
86-1	*715.70	NM		NM	
86-2	*714.98	NM		NM	
86-4	*715.09	NM		NM	
86-5	*715.04	NM		NM	
86-6	***	NM		NM	
86-7	714.15	16.12	698.03	16.57	697.58
86-8	*714.62	NM		NM	
86-9	*715.25	NM		NM	
86-10	715.06	17.43	697.63	17.43	697.63
86-11	*715.14	NM		NM	
86-12	*715.71	NM		NM	
86-13	714.75	NM		17.25	697.50
86-14	*715.05	NM		NM	
86-15	*715.06	NM		NM	
86-18	714.84	18.22	696.62	18.43	696.41
86-19	714.33	NM		16.62	697.71
86-20	*713.07	NM		NM	
86-21	*713.76	NM		NM	
7-25	720.47	20.84	699.63	21.09	699.38
7-50	719.83	20.24	699.59	20.52	699.31
8-27	*715.45	NM		NM	
9-33	716.69	18.38	698.31	18.67	698.02
OW-1	***	14.36			
OW-2	***	14.40			
S4-A	***	14.21			
RWB-6	715.80	19.00	696.80	19.30	696.50
RWB-16	715.30	18.31	696.99	18.41	696.89
RWB-21	717.62	21.10	696.52	21.42	696.20
RWB-22	715.11	18.44	696.67	18.70	696.41
RWE-3	714.50	19.51	694.99	18.06	696.44

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

1 = SURVEYED BY LANG, FEENEY & ASSOC., INC. 9/87. WATER ELEVATIONS PRIOR TO JULY 1987 ARE BASED ON FORMER REFERENCE ELEVATIONS.

* = FORMER REFERENCE ELEVATIONS

*** = NO REFERENCE ELEVATION

TABLE 1

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED COMPLEX
SOUTH BEND, INDIANA
PROJECT # ALCMPX 010

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND
GEOTECHNICAL SERVICES

TABLE 2 - SAMPLE SUMMARY
4TH QUARTER 1987

Quarterly Sampling Wells		Bladder Pumps Installed In Wells	Existing Naptha Recovery Wells
S-1	1D	S-4A	RWB-21
S-3	2D	7-D	RWB-6
S-9	4D	8-D	RWB-22
S-14	5D	S-25	RWB-16
S-15	7-25	S-26	E-3
S-16	9-23	S-27	
S-17	S-4A	S-24*	
S-20	7D		
S-21	8D		
S-22	S-25		
2-23	S-26		
D-4	S-27		
D-7	S-27		
	S-24*		

Parameters

VOC (624)
Cyanide
Phenols
Chrome **
Lead **
Zinc **

* Well S-24 not sampled this episode. Bladder pump not installed.

** Field filtered through .45 micron filter.

1DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
1-D	13	01/09/87	AQUA				<1	<8	<0.4	3	40	<4	240	<0.3	12	<4	<4	<1	44		
	1	02/12/87	AQUA	1300		11					18		52						14		
	13	06/05/87	AQUA	1250	7.62	13					<5*		5*						20*	0.022	<0.010
	22	09/04/87	AQUA	1200	7.71	14					20*		39*						160*	0.009	0.048
	13	01/14/88	AQUA	1400	6.47	10					<20*		<30*						10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 1 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

2DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
2-D	2	12/18/86	AQUA				<6	7	<1	<1	<10	16	20	<0.3	16	<8	<4	<9	120		
	11	06/05/87	AQUA	1200	7.69	17					<5*		<3*						10*	0.013	<0.010
	19	09/03/87	AQUA	1150	7.81	15					<10*		<3*						12*	<0.005	0.722
	34	01/15/88	AQUA	1390	7.18	13					<20*		<30*						10*	<0.02	0.015

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 2 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

4DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
4-D	129	10/14/86	AQUA																	0.03	
	329	10/14/86	AQUA				<6	4	<1	2	<20	30	7	<0.3	30	<4	<10	<3	30		
	14	06/06/87	AQUA	1200	7.67	16					<5*		<3*						20*	0.030	0.016
	21	01/14/88	AQUA	1630	6.86	12					<20*		<30*						10*	<0.02	0.020

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 3 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

5DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
5-D	4	12/18/86	AQUA				<6	<4	<1	<1	<10	8	<6	<0.3	<10	<16	4	<12	52		
	5	12/18/86	AQUA				<6	<1	<1	2	<10	8	<6	<0.3	<10	<16	<4	<9	40		
	19	06/15/87	AQUA	1000	7.90	14					<5*		<3*						10*	0.013	<0.010
	15	09/06/87	AQUA	950	7.81	13					<10		<3*						16*	<0.005	<0.010
	12	01/14/88	AQUA	1240	6.71	9					<20*		<30*						10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 4 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
7-D	30	01/15/88	AQUA	1380	7.07	14					<20*		<30*						10*	<0.02	0.050

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 5 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

8DMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
8-D	30	09/04/87	AQUA	1300	7.29	16					<10*		<3*						28*	0.014	<0.010
	28	01/15/88	AQUA	2200	6.84	11					<20		<30						10	<0.02	0.010
	29	01/15/88	AQUA								<20*		<30*						10*	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 6 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

725MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
7-25	31	11/07/86	AQUA				<6	5	<1	2	12	40	66	<0.3	24	<12	<4	<6	120	0.01	<0.010
	20A	02/12/87	AQUA	700		10					16		300						170		
	20B	02/12/87	AQUA								<10*		3*						12*		
	2	06/05/87	AQUA	600	7.31	12					<5*		<3*						10*	0.026	<0.010
	2	09/03/87	AQUA	600	7.51	13					<10*		<3*						<4*	<0.005	<0.010
	2	01/13/88	AQUA	740	7.09	9					<20*		<30*						<10*	0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 7 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

933MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
9-33	11	01/08/87	AQUA				<50	11	6	2	170	160	69	0.6	220	<80	<4	<1	840		
	19A	02/12/87	AQUA								844		125						210		
	19B	02/12/87	AQUA								<10*		<3*						12*		
	3	06/05/87	AQUA	1250	7.88	14					<5*		4*						10*	0.014	<0.010
	3	09/03/87	AQUA	1150	7.22	15					<10*		<3*						<4*	<0.005	<0.100
	3	01/13/88	AQUA	1030	7.15	13					<20*		<30*						<10*	<0.02	0.030

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 8 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

R59MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
R-59	31	09/04/87	AQUA	2500	7.22	17					<10		<3						12	<.005	<.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 9 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D4MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
D-4	109	10/01/86	AQUA	870																<0.01	
	309	10/01/86	AQUA				<6	<4	<1	<1	<10	4	30	<0.3	<10	10	<4		9280		
	13	02/12/87	AQUA	600		11					<10		53						5280		
	8	05/05/87	AQUA	750	8.18	16					<5*		26*						20*	0.098	1.33
	8	09/03/87	AQUA	725	8.15	15					<10*		<3*						44*	<0.005	0.729
	4	01/13/88	AQUA	840	7.06	12					<20*		<30*						10*	<0.02	<0.010
	5	01/13/88	AQUA	830	7.06	12					<20*		<30*						<10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 10 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D7MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
D-7	108	10/01/86	AQUA	1110																<0.01	
	208	10/01/86	AQUA				<6	4	<1	<1	20	10	11	<0.3	<20	<4	<10		320		
	26	11/06/87	AQUA				<3	4	<1	<1	<10	4	3	<0.3	<0.3	<8	<4		28	<0.01	0.011
	9	06/05/87	AQUA	800	8.31	16					<5*		9*						10*	0.031	0.233
	10	06/05/87	AQUA	800	8.31	16					<5*		<3*						<10*	0.041	0.228
	17	09/03/87	AQUA	850	7.97	15					<10*		<3*						<8*	<0.005	0.369
	18	09/03/87	AQUA	850	7.97	15					<10*		<3*						4*	<0.005	0.400
	14	01/14/88	AQUA	860	6.89	13					<20*		<30*						10*	<0.02	0.160

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 11 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S1MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-1	1	11/05/86	AQUA				<3	<4	<1	<1	<10	24	15	<0.3	<10	<12	<4	3	20	<0.010	0.02
	18	12/17/86	AQUA				<3	<4	<1	<1	<10	44	<9	0.3	<10	<8	<10	<6	100	<0.010	<0.010
	1	06/05/87	AQUA	625	7.15	14					<5*		<3*						<10*	0.042	0.02
	1	09/03/87	AQUA	625	7.01	15					<10*		<3*						<8*	<0.005	0.126
	1	01/13/88	AQUA	690	6.80	10					<20*		<30*						<10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 12 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S3MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-3	9	11/05/86	AQUA				<15	<4	<1	<1	18	52	86	<0.3	<10	<300	<4	<6	415	<0.010	<0.010
	18	12/12/87	AQUA	1600		12					16		110						380		
	4	06/05/87	AQUA	1600	7.52	14					<5*		<3*						30*	0.040	0.010
	4	09/03/87	AQUA	1500	7.43	14					<10*		<3*						12*	<0.005	<0.010
	26	01/15/88	AQUA	2100	6.86	9					<20*		<30*						10*	<0.02	0.040

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 13 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S4AMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-4	107	09/28/86	AQUA	1930	6.88															<0.010	
	307	09/28/86	AQUA				<20	44	<2	<4	24	200	68	<0.3	44	<40	4		920		
S-4A	22	06/05/87	AQUA	1600	7.48	16					<5*		<3*						30*	0.028	>0.010
	27	09/04/87	AQUA	1700	6.94	15					<10*		3*						24*	0.008	0.035
	25	01/14/88	AQUA	2000	6.49	13					<20*		<30*						10*	0.02	0.080

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 14 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S9MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-9	110	10/01/86	AQUA	1775																<0.010	
	130	10/01/86	AQUA				<6	<4	<1	1	<20	130	33	<0.3	<20	<4	<10		930		
	4	11/01/86	AQUA				<3	<4	<1	<1	20							<3	500	<0.010	<0.010
	20	12/18/86	AQUA				<3	<4	2	2	<10		<3*					<24	120	<0.010	<0.010
	30	12/18/86	AQUA				<3	<4	<1	<1	<10		3*					<18	8	<0.010	<0.010
	7	06/05/87	AQUA	1800	7.68	16					<5*		<30						10*	0.014	0.049
	9	09/03/87	AQUA	1725	7.55	15					<10*								12*	<0.005	<0.010
	6	01/13/88	AQUA	1750	6.75	12					<20*		<30*						10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 15 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S14MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-14	21	11/06/86	AQUA				<3	<4	<1	1	<10	40	16	<0.3	16	<8	<4	<3	370	<0.010	<0.010
	5	06/05/87	AQUA	1400	7.39	15					<5*		<3*						10*	0.048	<0.010
	7	09/03/87	AQUA	1400	7.28	14					<10*		<3*						48*	<0.005	<0.010
	23	01/14/88	AQUA	2300	6.77	11					<20*		<20*						20*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 16 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S15MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-15	27	11/06/86	AQUA				<6	<4	<1	<1	16	48	16	<0.3	16	<12	<4	<3	120	<0.010	<0.010
	23	12/18/86	AQUA				<3	<4	<1	<1	<10	20	<15	<0.3	16	<4	8	<15	48	<0.010	<0.010
	6	06/05/87	AQUA	1700	7.27	16					<5*		<3*						10*	0.041	0.010
	5	09/03/87	AQUA	1625	7.18	15					<10*		<3*						4*	<0.005	<0.010
	6	09/03/87	AQUA	1625	7.18	15					<10*		<3*						12*	<0.005	<0.010
	24	01/14/88	AQUA	2300	6.42	12					<20*		<30*						10*	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 17 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S16MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-16	11	11/06/86	AQUA				<6	<4	<1	<1	<10	310	65	<0.3	12	<16	<4	<3	220	<0.010	0.060
	19	12/18/86	AQUA				<6	<4	<1	1	<10		<10	<0.3	12	<8	4	<9	52	<0.010	<0.010
	29	12/18/86	AQUA				<3	<4	<1	1	<10		<9	0.4	<10	<8	4	<9	4	<0.010	<0.010
	11	02/12/87	AQUA	1450		15					<10		13						40		
	12	06/05/87	AQUA	1150	7.57	19					<5*		7*						20*	0.070	<0.010
	28	09/04/87	AQUA	1100	7.44	15					<10*		<4*						40*	0.012	0.017
	27	01/15/88	AQUA	1700	6.92	11					<20*		<30*						10*	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 18 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S17MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-17	16	11/06/86	AQUA				<3	<4	<1	<1	<10	12	23	<0.3	20	<24	<4	<3	150	<0.010	0.025
	15	06/05/87	AQUA	1350	7.55	15					<5*		<3*						<10*	0.024	<0.010
	20	09/03/87	AQUA	1275	7.62	15					<10*		<3*						4*	<0.005	0.426
	22	01/14/88	AQUA	1475	6.57	13					<20*		<20*						10*	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 19 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S20MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-20	30	11/07/86	AQUA				<3	<4	<1	<1	16	16	25	<0.3	<10	<8	<4	<6	64	0.02	<0.010
	16	06/05/87	AQUA	1200	7.41	13					<5*		<3*						10*	0.026	<0.010
	10	09/03/87	AQUA	1250	7.33	14					<10*		<3*						12*	<0.005	0.011
	7	01/13/88	AQUA	1830	6.78	12					<20*		<30*						10*	<0.02	0.070

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 20 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S21MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-21	17	11/06/86	AQUA				<6	<4	<1	<1	20	20	33	<0.3	20	<100	<4	<3	160	<0.01	<0.010
	17	06/05/87	AQUA	1150	7.80	13					<5*		<3*						<10*	0.023	0.080
	18	06/05/87	AQUA	1150	7.80	13					<5*		<3*						10*	0.031	0.114
	14	09/03/87	AQUA	1100	7.72	14					<10*		<3*						4*	<0.005	<0.010
	11	01/14/88	AQUA	1450	6.53	10					<20*		<30*						<10*	<0.05	0.060

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 21 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S22MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-22	18	11/06/86	AQUA				<3	<4	<1	<1	12	<4	12	<0.3	<10	<40	4	<3	28	<0.01	<0.010
	20	06/05/87	AQUA	1000	7.64	13					<5*		<3*						10*	0.063	0.018
	12	09/03/87	AQUA	1050	7.51	14					<10*		<3*						8*	<0.005	0.133
	8	01/14/88	AQUA	1180	6.79	9					<20*		<30*						10*	<0.02	0.030

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 22 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S23MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-23	19	11/06/86	AQUA				<3	<4	<1	1	12	8	34	<0.3	<10	<16	4	<3	120	<0.01	<0.010
	21	06/05/87	AQUA	1000	7.59	13					<5*		<3*						10*	0.032	0.242
	13	09/03/87	AQUA	1000	7.27	14					<10*		<3*						8*	0.009	0.640
	9	01/13/88	AQUA	1175	6.89	11					<20*		<30*						10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 23 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S24MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-24	25	09/04/87	AQUA	1350	6.96	14					<10*		25*						88*	<0.005	0.017

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 24 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S25MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-25	11	09/03/87	AQUA	1100	7.17	16					<10*		<3*						12*	<0.005	<0.010
	32	01/15/88	AQUA	1660	6.87	13					<20*		<30*						10*	<0.02	0.060

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 25 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S26MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-26	16	09/03/87	AQUA	1100	7.22	16					<10*		<3*						4*	<0.005	<0.010
	31	01/15/88	AQUA	2200	7.03	14					<20*		<30*						10*	<0.02	0.130

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 26 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S27MCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
S-27	26	09/04/87	AQUA	1350	6.97	14					<10*		4*						40*	<0.005	<0.010
	33	01/15/88	AQUA	1530	6.98	11					<20*		<30*						10*	<0.02	0.060

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 27 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

FBMCPMW
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
BLANK	28	11/06/86	AQUA				<3	<4	<1	<1	<10	88	<3	<0.3	12	<4	<4	<3	4	<0.01	0.023
	25	12/18/86	AQUA				<3	<4	<1	<1	<10	4	4	<0.3	<10	<4	<4	<3	6	0.035	<0.010
	24	12/18/86	AQUA				<3	<4	<1	5	<10	4	<3	0.3	4	<4	<4	<5	4	<0.010	
	12	01/08/87	AQUA				<1	<4	<0.4	<1	<10	<4	<3	<0.3	<10	4	<4	<1	<4		
	23	02/12/87	AQUA								<10		<3						8		
		02/12/87	AQUA								<10		<3						4		
	23	06/05/87	AQUA								<5*		<3*						<10*	0.029	<0.010
	36	09/04/87	AQUA								<10*		<3*						4	<0.005	<0.010
	10	01/13/88	AQUA								20*		<30*						10*	<0.02	<0.010
	35	01/15/88	AQUA								<20*		<30*						<10*	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 28 OF 28
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

MCPRW3
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
RWB-22	9	03/25/87	AQUA								<20								10	0.07	0.012
	17	01/14/88	AQUA								20		<30						10	<0.02	<0.010
	18	01/14/88	AQUA								20		<30						10	<0.02	<0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 3 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

MCPRW2
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
RWB-16	8	03/25/87	AQUA								<20		<3						10	0.07	0.017
	20	01/14/88	AQUA								<20		<30						10	0.03	0.020
RWB-21	12	03/25/87	AQUA								<20		<3						10	0.05	0.015
	15	01/14/88	AQUA								<20		<30						10	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 2 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

MCPRW1
24-Feb-88

WELL NO.	SAMPLE #	DATE	LAB	SPECIFIC CONDUCTANCE UMHOS/CM	pH SU	TEMP C	ANTIMONY UG/L	ARSENIC UG/L	BERYLLIUM UG/L	CADMIUM UG/L	CHROMIUM UG/L	COPPER UG/L	LEAD UG/L	MERCURY UG/L	NICKEL UG/L	SELENIUM UG/L	SILVER UG/L	THALLIUM UG/L	ZINC UG/L	CYANIDE MG/L	PHENOLS MG/L
E-3	7	03/25/87	AQUA								<20		<3						.080	0.07	0.012
	19	01/14/88	AQUA								<20		<30						10	<0.02	0.020
RWB-6	10	03/25/87	AQUA								<20		<3						10	0.05	0.131
	11	03/25/87	AQUA								<20		<3						10	0.05	<.01
	16	01/14/88	AQUA								<20		<30						10	<0.02	0.010

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

BLANK SPACE INDICATES NOT ANALYZED FOR

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 1 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

1DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
1-D	01/08/87	13	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/12/87	1	AQUA	ND	ND	ND	ND	ND	19.5	ND	ND	ND	ND					
	06/05/87	13	AQUA	ND	ND	ND	ND	ND	12	ND	ND	ND	ND					ND
	06/04/87	22	AQUA	ND	ND	ND	ND	ND	29	ND	ND	ND	ND					ND
	01/14/88	13	AQUA	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

2DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
2-D	12/18/86	2	AQUA	ND	20.4	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	11	AQUA	ND	25	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	19	AQUA		24	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/15/88	34	AQUA	ND	34	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

3DOCMW
01-Mar-88

				PRIORITY POLLUTANTS																
				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS						
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
3-D	12/18/86	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9						
	02/12/87	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

4DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
4-D	10/14/86	31	AQUA	ND	ND	ND	11.4	ND	ND	ND	ND	ND	ND					
	01/07/87	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/11/87	2	AQUA	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND					
	06/05/87	14	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					8.8
	09/04/87	21	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/14/88	21	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					10.8

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

5DOCMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
5-D	12/18/86	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					10
	12/18/86	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					10
	02/11/87	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	19	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	15	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/14/88	12	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

6DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
6-D	12/18/86	6	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 6 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

7DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
7-D	07/10/87	3	AQUA	ND	ND	ND	17	ND	19	ND	ND							
	07/10/87	4	AQUA	ND	ND	ND	16	ND	17	ND	ND							
	09/04/87	29	AQUA	ND	ND	ND	ND	ND	20	14	ND							
	01/15/88	30	AQUA	ND	ND	ND	10	ND	17	ND	ND							142

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 7 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

8DOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
8-D	07/10/87	5	AQUA	ND	ND	ND	27	ND	ND	ND	ND	ND	ND					720
	09/04/87	30	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					900
	01/15/88	28	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					840
	01/15/88	29	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					855

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 8 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

7250CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
7-25	11/07/86	31	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		
	06/05/87	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/06/87	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 9 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7500CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
7-50	11/07/86	32	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			

NOTES:
OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9330CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
9-33	01/08/87	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 11 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D30CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
D-3	11/05/86	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		4.2			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 12 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

040CMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D-4	10/01/86	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/12/87	13	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 13 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D50CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
D-5	11/06/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		4.6			
	12/18/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	3.3		ND	

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 14 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D70CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
D-7	10/01/86	10	AQUA	ND	689	ND	20.2	ND	ND	ND	ND	ND	ND					
	11/06/86	26	AQUA	ND	437	15.7	ND	ND	ND	ND	ND	ND	ND			ND		
	01/07/87	9	AQUA	ND	902	ND	ND	ND	ND	ND	ND	ND	ND					40
	02/12/87	14	AQUA	ND	812	ND	30	ND	ND	ND	ND	ND	ND					
	06/05/87	9	AQUA	ND	890	ND	ND	ND	ND	ND	ND	ND	ND					33
	06/05/87	10	AQUA	ND	900	ND	ND	ND	ND	ND	ND	ND	ND					31
	09/03/87	17	AQUA	ND	800	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	18	AQUA	ND	750	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/14/88	14	AQUA	ND	710	ND	ND	ND	ND	ND	ND	ND	ND					30

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 15 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D100CMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC) 1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	BASE NEUTRAL COMPOUNDS: NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
D-10	11/06/86	15	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 16 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

D110CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHYLENE	TRANS-1,2 DICHLOROETHYLENE	1,1,1-TRICHLOROETHANE	TRICHLOROETHYLENE	1,2 DICHLOROPROPANE	VINYL CHLORIDE	CHLOROFORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLOROETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
D-11	11/06/86	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		3.6			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

110CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
I-1	11/06/86	20	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 18 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S10CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-1	11/05/86	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		15.6			
	12/17/86	18	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0	7.0		ND	
	06/05/87	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 19 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S20CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-2	11/06/86	23	AQUA	ND	ND	ND	16.3	12.4	126	ND	ND	ND	ND		ND			
	01/07/87	1	AQUA	ND	ND	ND	ND	ND	26.7									

NOTES:
OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 20 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S3OCMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS: 1,1-DICHLOROETHANE UG/L	1,2-DICHLOROETHANE UG/L	1,1-DICHLOROETHYLENE UG/L	TRANS-1,2-DICHLOROETHYLENE UG/L	1,1,1-TRICHLOROETHANE UG/L	TRICHLOROETHYLENE UG/L	1,2 DICHLOROPROPANE UG/L	VINYL CHLORIDE UG/L	CHLOROFORM UG/L	TOLUENE UG/L	BASE NEUTRAL COMPOUNDS: NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLOROETHENE UG/L
S-3	11/05/86	9	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.6			
	06/05/87	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/14/88	26	AQUA	ND	ND	ND	ND	ND-	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S4AOCMW
01-Mar-88

				PRIORITY POLLUTANTS															
				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS					
WELL NO.	DATE	SAMPLE #	LAB	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHYLENE	TRANS-1,2-DICHLOROETHYLENE	1,1,1-TRICHLOROETHANE	TRICHLOROETHYLENE	1,2 DICHLOROPROPANE	VINYL CHLORIDE	CHLOROFORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLOROETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
S-4A	06/05/87	22	AQUA	1100	ND	200	110	200	120	ND	ND	ND	ND					820	OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.
	09/04/87	27	AQUA	1100	ND	80	170	ND	17	ND	790	ND	ND					2,000	ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
	01/14/88	25	AQUA	1600	ND	180	112	ND	ND	ND	700	ND	ND					1,800	A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
																			B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
																			C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
																			D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
																			VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 22 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S5OCMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-5	11/07/86	29	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		10.6	7.9		

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 23 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S70CMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
VOLATILE ORGANIC COMPOUNDS (VOC)														BASE NEUTRAL COMPOUNDS				
S-7	11/06/86	25	AQUA	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 24 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S80CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-8	11/05/86	6	AQUA	ND	59.3	ND	15.3	ND	4.7	ND	ND	ND	ND		4.3			
	11/05/86	7	AQUA	ND	68.9	ND	24.9	ND	3.2	ND	ND	ND	ND		6.3			
	11/05/86	8	HOWARD	ND	85.3	ND	ND	ND	13.3	ND	ND	ND	ND	ND				11.9
	02/12/87	16	AQUA	ND	61.5	ND	10.6	ND	3.4	ND	ND	ND	ND					
	02/12/87	17	AQUA	ND	56	ND	9	ND	3.4	ND	ND	ND	ND					

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 25 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S90CMW
01-Mar-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS					
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
S-9	10/01/86	12	AQUA	ND	81.3	ND	2.2	ND	ND	ND	ND	ND	ND						OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.
	11/05/86	4	AQUA	ND	29	ND	2.3	ND	ND	ND	ND	ND	ND		6.6				ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
	12/18/86	20	AQUA	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	15	A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
	12/18/86	30	AQUA	ND	43.3	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
	02/12/87	12	AQUA	ND	313	ND	23	ND	ND	ND	ND	ND	ND				ND		C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
	06/05/87	7	AQUA	ND	460	ND	ND	ND	ND	ND	ND	ND	ND					17	D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
	09/03/87	9	AQUA	ND	170	ND	ND	ND	ND	ND	ND	ND	ND					13	VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.
	01/13/88	6	AQUA	ND	810	ND	ND	ND	ND	ND	ND	ND	ND					43	

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 26 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S120CMW
01-Mar-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS					
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-12	11/06/86	24	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 27 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S140CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-14	11/06/86	21	AQUA	ND	120	ND	42.2	ND	3.6	ND	ND	ND	ND		ND			
	02/12/87	15	AQUA	77	217	20	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	5	AQUA	58	180	ND	12	ND	8.5	ND	ND	ND	ND					150
	09/03/87	7	AQUA	ND	140	ND	ND	ND	8.0	ND	ND	ND	ND					120
	01/14/88	23	AQUA	113	108	15	ND	21	14	ND	55	ND	ND					240

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 28 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S150CMW
01-Mar-88

				PRIORITY POLLUTANTS																
				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS						
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
S-15	11/06/86	27	AQUA	ND	1.2	ND	1.5	ND	ND	ND	ND	ND	ND		8.5				OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.
	12/18/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
	06/05/87	6	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
	09/03/87	6	AQUA	ND	ND	ND	ND	ND	ND	ND	76	ND	ND					ND	B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
	06/03/87	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
	01/14/88	24	AQUA	22	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
																			VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 29 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S160CMW
01-Mar-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS					
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
WELL NO.	DATE	SAMPLE #	LAB																
S-16	11/16/86	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		6.1				A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
	12/18/86	19	AQUA	ND	ND	ND	ND	22.5	70.1	ND	ND	ND	ND	ND			ND		B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
	12/18/86	29	AQUA	ND	ND	ND	ND	21.5	63.8	ND	ND	ND	ND	ND			ND		C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
	02/12/87	11	AQUA	ND	ND	ND	4.4	23.3	95	ND	ND	ND	ND						
	06/05/87	12	AQUA	ND	ND	ND	5.6	18	57	ND	ND	ND	ND					5.6	D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
	09/04/87	28	AQUA	ND	ND	ND	ND	ND	65	ND	ND	ND	ND					ND	
	01/15/88	27	AQUA	ND	ND	ND	ND	15	58	ND	ND	ND	ND					ND	VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 30 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S170CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-17	11/16/86	16	AQUA	4.3	ND	1.5	ND	ND	12.0	ND	ND	ND	ND					
	01/07/87	4	AQUA	ND	ND	ND	ND	ND	94.8	ND	ND	ND	ND		ND			
	02/12/87	3	AQUA	ND	ND	ND	7.9	ND	116	ND	ND	ND	ND					
	06/05/87	15	AQUA	ND	ND	ND	ND	ND	80	ND	ND	ND	ND					5.6
	09/03/87	20	AQUA	ND	ND	ND	ND	ND	86	ND	ND	ND	ND					ND
	01/14/88	22	AQUA	ND	ND	ND	ND	ND	68	ND	ND	ND	ND					8.8

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 31 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S180CMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-18	11/06/86	12	AQUA	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND		ND			
	11/06/86	13	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND			
	11/06/86	14	HOWARD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 32 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S190CMW
01-Mar-88

				PRIORITY POLLUTANTS																
				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS						
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE	NOTES:
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
S-19	11/05/86	2	AQUA	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND		3.0				OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.
																			ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
																			A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
																			B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
																			C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
																			D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
																			VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 33 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S200CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-20	11/07/86	30	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/12/87	9	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	16	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	7	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 34 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S210CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-21	11/06/86	17	AQUA	ND	ND	ND	116	ND	ND	ND	ND	ND	ND		ND			
	12/17/86	13	AQUA	ND	ND	ND	69.3	ND	ND	ND	ND	ND	ND					
	02/11/87	5	AQUA	ND	ND	ND	88.5	ND	ND	ND	ND	ND	ND					
	06/05/87	17	AQUA	ND	ND	ND	30	ND	ND	ND	ND	ND	ND					5.0
	06/05/87	18	AQUA	ND	ND	ND	34	ND	ND	ND	ND	ND	ND					5.6
	09/03/87	14	AQUA	ND	ND	ND	13	ND	ND	ND	ND	ND	ND					50.0
	01/14/88	11	AQUA	ND	ND	ND	20.4	ND	ND	ND	ND	ND	ND					53.2

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 35 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S220CMW
01-Mar-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
				1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-22	11/06/86	18	AQUA	ND	ND	ND	164	ND	ND	ND	ND	ND	ND		ND			
	01/07/87	6	AQUA	ND	ND	ND	75.8	ND	ND	ND	ND	ND	ND					50
	01/07/87	7	AQUA	ND	ND	ND	73.6	ND	ND	ND	ND	ND	ND					50
	02/12/87	6	AQUA	ND	ND	ND	132	ND	ND	ND	ND	ND	ND					
	02/12/87	7	AQUA	ND	ND	ND	109	ND	ND	ND	ND	ND	ND					
	06/05/87	20	AQUA	ND	ND	ND	69	ND	ND	ND	ND	ND	ND					41
	09/03/87	12	AQUA	ND	ND	ND	41	ND	ND	ND	ND	ND	ND					57
	01/13/88	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					41.5

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 36 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S230CMW
01-Mar-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-23	11/06/86	19	AQUA	ND	ND	ND	4.5	ND	ND	ND	ND	ND	ND		3.4			
	01/07/87	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/11/87	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	21	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	13	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	9	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 37 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S240CMW
01-Mar-88

PRIORITY POLLUTANTS

			VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-24	07/10/87	2	AQUA	ND	ND	ND	145	ND	150	ND	ND	ND	ND					170
	09/04/87	25	AQUA	ND	ND	ND	140	ND	170	ND	ND	ND	ND					150

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 38 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S25OCMW
01-Mar-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)										BASE NEUTRAL COMPOUNDS				
WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,1,1-TRI-CHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	NOTE A BASE NEUTRAL COMPOUNDS	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE	NOTE B DI-N-OCTYL PHTHALATE	NOTE C ACID FRACTION	NOTE D CIS-1,2-DICHLORO-ETHENE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
S-25	07/10/87	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/03/87	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/15/88	32	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S260CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-26	07/10/87	7	AQUA	ND	ND	ND	ND	ND	16	ND	ND	ND	ND					ND
	09/03/87	16	AQUA	ND	ND	ND	ND	ND	14	ND	ND	ND	ND					ND
	01/15/88	31	AQUA	ND	ND	ND	ND	ND	17	ND	ND	ND	ND					ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 40 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S270CMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
S-27	07/10/87	8	AQUA	ND	ND	ND	10		90	ND	ND	ND	ND					9.4
	09/04/87	26	AQUA	ND	ND	ND	8	ND	100	ND	ND	ND	ND					7.5
	01/15/88	33	AQUA	ND	ND	ND	19	ND	96	ND	ND	ND	ND					9.8

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.

A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.

B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.

C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.

D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.

VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

FBOCMW
01-Mar-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | BASE NEUTRAL COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	1,1-DI-CHLORO-ETHANE UG/L	1,2-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	1,1,1-TRI-CHLORO-ETHANE UG/L	TRI-CHLORO-ETHYLENE UG/L	1,2 DI-CHLORO-PROPANE UG/L	VINYL CHLORIDE UG/L	CHLORO-FORM UG/L	TOLUENE UG/L	NOTE A BASE NEUTRAL COMPOUNDS UG/L	NOTE B BIS (2-ETHYLHEXYL) PHTHALATE UG/L	NOTE B DI-N-OCTYL PHTHALATE UG/L	NOTE C ACID FRACTION UG/L	NOTE D CIS-1,2-DICHLORO-ETHENE UG/L
BLANK	10/01/86	1,000	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	11/06/86	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	11/06/86	28	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	12/18/86	24	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	12/18/86	25	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	01/07/87	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/12/87	23	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	06/05/87	23	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	07/10/87	9	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	09/04/87	36	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND					ND
	01/13/88	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND
	01/13/88	35	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	7.7**				ND

NOTES:
OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.
ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
A = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS BASE NEUTRALS. SEE LAB REPORT.
B = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS PHTHALATE ESTERS. SEE LAB REPORT.
C = RESULTS FROM ANALYSES FOR PRIORITY POLLUTANTS ACID FRACTION. SEE LAB REPORT.
D = SAMPLED NON-PRIORITY POLLUTANT, CIS-1,2-DCE, DURING GCMS SCAN FOR PRIORITY POLLUTANT VOC. SEE LAB REPORT.
VOC RESULTS ARE A SUMMARY OF A GCMS SCAN FOR PRIORITY POLLUTANT VOLATILE ORGANIC COMPOUNDS FOR EACH LOCATION AND SAMPLING DATE. SEE LAB REPORT.

** - OTHER; DICHLOROBROMOMETHANE

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 42 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

OCRW1

01-Mar-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE UG/L	1,1-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	ETHYL BENZENE MG/L	TOLUENE UG/L	CIS-1,2 DICHLORO-ETHENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	TOTAL XYLENES UG/L	1,2 DI-CHLORO-ETHANE UG/L	CHLORO-ETHANE UG/L	TRI-CHLORO-ETHENE UG/L
E-3	03/25/87	7	AQUA	72	56	ND	10	10	53	ND	23	ND	ND	ND
	01/14/88	19	AQUA	60	25	ND	9.4	9.2	48	ND	19	ND	ND	ND
RWB-6	03/25/87	10	AQUA	ND	300	8.7	50	ND	410	54	65	ND	ND	ND
	03/25/87	11	AQUA	ND	300	12	50	ND	410	72	69	ND	ND	ND
	09/04/87	33	AQUA	ND	ND	ND	ND	ND	700	45	ND	290	ND	ND
	01/14/88	16	AQUA	ND	ND	ND	ND	ND	460	ND	ND	250	ND	ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED.
SEE LAB REPORT FOR DETECTION LIMITS.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES

ENVIRONMENTAL AND GEOTECHNICAL SERVICES

OCRW2

01-Mar-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE UG/L	1,1-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	ETHYL BENZENE MG/L	TOLUENE UG/L	CIS-1,2 DICHLORO-ETHENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	TOTAL XYLENES UG/L	1,2 DI-CHLORO-ETHANE UG/L	CHLORO-ETHANE UG/L	TRI-CHLORO-ETHENE UG/L
RWB-16	03/25/87	8	AQUA	22	16	ND	ND	ND	16	ND	ND	ND	ND	ND
	09/04/87	35	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/14/88	20	AQUA	ND	ND	ND	ND	ND	ND	8.5	ND	ND	220	ND
RWB-21	03/25/87	12	AQUA	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/87	32	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/14/88	15	AQUA	ND	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED.
SEE LAB REPORT FOR DETECTION LIMITS.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

OCRW3

01-Mar-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE UG/L	1,1-DI-CHLORO-ETHANE UG/L	1,1-DI-CHLORO-ETHYLENE UG/L	ETHYL BENZENE MG/L	TOLUENE UG/L	CIS-1,2 DICHLORO-ETHENE UG/L	TRANS-1,2 DI-CHLORO-ETHYLENE UG/L	TOTAL XYLENES UG/L	1,2 DI-CHLORO-ETHANE UG/L	CHLORO-ETHANE UG/L	TRI-CHLORO-ETHENE UG/L
RWB-22	03/25/87	9	AQUA	184	124	ND	94	ND	ND	60	199	ND	ND	ND
	09/04/87	34	AQUA	ND	ND	ND	81	ND	ND	ND	160	ND	420	ND
	01/14/88	17	AQUA	117	48		47	22	36		85		70	
	01/14/88	18	AQUA	122	53		51	24	38		91		90	

NOTES:

OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS.

ND = NOT DETECTED.
SEE LAB REPORT FOR DETECTION LIMITS.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 3 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 010

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES