Allied-Signal Aerospace Company

Bendix Wheels and Brakes Division
3520 West Westmoor Street
P.O. Box 10
South Bend, IN 46624 USA
Telephone (219) 231-2000

Bendix Allied Signal

IND005460 1165

November 13, 1989

Mr. Steve Pauly
Indiana Department of Environmental Management
105 South Meridian Street
P.O. Box 6015
Indianapolis, IN 46241

Dear Mr. Pauly:

Pursuant to your telephone conversation on November 13, 1989 with Mike Stepanek, Jr., our counsel, the following ground water monitoring reports for the South Bend Bendix Complex are enclosed:

1) Copy No. 12, 4th Quarter 1988
2) Copy No. 7, 1st Quarter 1989
3) Copy No. 3, 2nd Quarter 1989

You may contact me by phone (219) 231-2301 if you have any questions regarding this matter.

Sincerely,

Richard L Carpenter

Richard L. Carpenter
Manager, Environmental Control and Safety

RLC:mbt

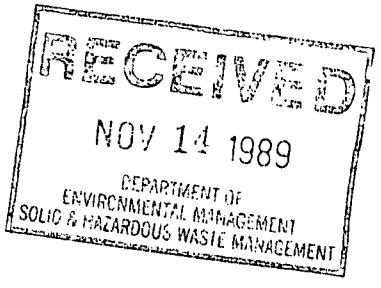
cc: L. E. Earleywine
M. J. Stepanek, Jr., Esq.

Bendix

t a gleason
associates

IND005461165

GROUNDWATER MONITORING REPORT
2ND QUARTER 1989
ALLIED-SIGNAL CORPORATION
SOUTH BEND COMPLEX
SOUTH BEND, INDIANA



October 6, 1989

PROJECT # ALCMPX SBIN 022

COPY NO. 3

2qr89gmw
092189

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

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

TABLE 1 - SAMPLE SUMMARY

2ND QUARTER 1989

Monitor Wells	
1-D	S-14
2-D	S-15
5-D	S-16
7-D	S-17
8-D	S-20
9-33	S-21
86-10	S-22*
86-15	S-23
D-4	S-24
D-7	S-25
S-1*	S-26*
S-4A*	S-27
S-9	

Naptha Recovery Wells

E-3
RWB-6
RWB-16
RWB-21
RWB-22

VOC Recovery Wells

QA/QC Samples	Sample Location	Recovery Well(s)
Field Blank 1	RW 1-7	RW 1, 2, 3, 3A, 4, 5, 6, 7
Field Blank 2	RW 8-12	RW 8, 9, 9A, 10, 11, 12
Field Blank 3	RW 13	RW 13
Field Blank 4	RW 17**	RW 14, 15, 16, 17
S-1 Duplicate	RW 18-19	RW 18, 19
S-22 Duplicate		
S-26 Duplicate		
S-4A Duplicate		

*Duplicate Sample Taken

**Not Sampled This Episode

t a gleason associates

S21MCPMW
07-Oct-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	0.06
	22	02/09/88	AQUA	2350	6.95	12					20		<3						<10	<0.01	0.055
	13	5/18/88	AQUA	1200	7.07	13					<30		<5						<20	<0.01	<0.01
	13	09/23/88	AQUA	1650	6.90	13					<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S15MCPMW
07-Oct-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	0.01
	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	0.01
	4	02/08/88	AQUA	2650	7.30	12					<20		<3						10	<0.01	0.034
	6	5/18/88	AQUA	2300	7.22	14					<30		<5						21	<0.01	0.04
	6	09/23/88	AQUA	1800	6.85	18.5					<30		<6						<20	<0.01	0.06

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S16MCPMW
07-Oct-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	CCL				<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	0.07	<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	0.01
	12	02/09/88	AQUA	2100	7.62	12					<20		<3						10	0.04	<0.010
	25	5/19/88	AQUA	1450	7.49	14					<30		<5						<20	<0.01	0.02
	14	09/23/88	AQUA	1110	7.20	16.5					<30		<6						<20	<0.01	0.07

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

CCL=COMPUCHEM LABORATORY

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S17MCPMW
07-Oct-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	0.01
	33	02/10/88	AQUA	2100	7.25	12					30		<3						<10	0.01	<0.010
	26	5/19/88	AQUA	1400	7.17	13					<30		<5						<20	<0.01	<0.01
	12	09/23/88	AQUA	1120	7.10	17					<30		<6						<20	<0.01	<0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S20MCPMW
07-Oct-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	0.07
	19	02/09/88	AQUA	3100	7.10	12					<20		<3						10	<0.01	1.48
	19	5/18/88	AQUA	1750	7.17	14					<30		<5						33	<0.01	<0.01
	23	09/25/88	AQUA	1890	6.50	14					<30		<6						<20	<0.01	0.16
	24	09/25/88	AQUA								<30		<6						<20	<0.01	0.07

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

TABLE 1 - SAMPLE SUMMARY

3RD QUARTER 1988

Quarterly Sampling Monitor Wells		Existing Naptha Recovery Wells
1-D	S-9	E-3
2-D	S-14	RWB-6
4-D	S-15	RWB-16
5-D	S-16	RWB-21**
7-D	S-17	RWB-22
8-D	S-20*	
7-25	S-21	
9-33	S-22	
D-4	S-23	
D-7	S-24	
S-1	S-25	
S-3	S-26	
S-4A*	S-27	

* Duplicate Sample Taken

** Not Sampled This Episode

.=01-Nov-88

WLM1

WELL NO.	(1) REFERENCE ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/03/88 WATER DEPTH	02/03/88 WATER ELEVATION	01/2/88 WATER DEPTH	01/2/88 WATER ELEVATION
S-1	728.09	NM		NM		NM		NM	
S-2	721.82	NM		20.38	701.44	20.60	701.22	20.62	701.20
S-3	716.65	19.69	696.96	19.40	697.25	19.92	696.73	19.95	696.70
S-5	712.83	10.30	702.53	13.77	699.06	14.19	698.64	14.18	698.65
S-6	713.08	NM		NM		NM		NM	
S-7	716.16	17.89	698.27	17.43	698.73	17.70	698.46	17.72	698.44
S-8	714.65	18.36	696.29	17.93	696.72	18.39	696.26	18.39	696.26
S-9	714.17	17.35	696.82	16.90	697.27	17.28	696.89	17.28	696.89
S-10	715.40 *	NM		NM		NM		NM	
S-11	715.64 *	NM		NM		NM		NM	
S-12	721.45	20.34	701.11	19.87	701.58	20.12	701.33	20.15	701.30
S-13	721.10 *	NM		NM		NM		NM	
S-14	711.86	15.55	696.31	15.03	696.83	15.40	696.46	15.42	696.44
S-15	714.37	18.35	696.02	17.83	696.54	18.28	696.09	18.27	696.10
S-16	716.18	18.84	697.34	17.88	698.30	18.61	697.57	18.62	697.56
S-17	716.97	NM		18.11	698.86	NM		NM	
S-18	715.41	17.43	697.98	15.90	699.51	16.95	698.46	17.00	698.41
S-19	723.38	20.74	702.64	20.09	703.29	20.44	702.94	20.43	702.95
S-20	709.97	14.85	695.12	14.83	695.14	15.08	694.89	15.09	694.88
S-21	711.33	NM		NM		NM		NM	
S-22	709.33	NM		NM		NM		NM	
S-23	710.24	16.04	694.20	15.41	694.83	15.90	694.34	15.95	694.29
S-24	713.03	NM		15.12	697.91	NM		NM	
S-25	710.60	15.31	695.29	14.94	695.66	15.30	695.30	15.30	695.30
S-26	714.50	17.42	697.08	16.82	697.68	17.53	696.97	17.52	696.98
S-27	715.40	18.92	696.48	18.40	697.00	18.92	696.48	18.87	696.53

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

NM - NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED COMPLEX
SOUTH BEND, INDIANA
PROJECT # ALCMPX 013

T A GLEASON ASSOCIATES
Environmental and
Geotechnical Services

.=01-Nov-88

WLM2

WELL NO.	(1) REFERENCE ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/03/88 WATER DEPTH	02/03/88 WATER ELEVATION	01/2/88 WATER DEPTH	01/2/88 WATER ELEVATION
D-1	720.73 *	NM		NM		NM		NM	
D-1A	721.69 *	NM		NM		NM		NM	
D-3	714.51	18.67	695.84	17.52	696.99	18.06	696.45	18.06	696.45
D-4	717.85	21.27	696.58	20.26	697.59	20.70	697.15	20.70	697.15
D-5	712.14	15.90	696.24	14.94	697.20	15.30	696.84	15.31	696.83
D-7	713.83	17.04	696.79	16.00	697.83	16.40	697.43	16.42	697.41
D-8	717.04	20.11	696.93	19.01	698.03	19.48	697.56	19.50	697.54
D-9	717.00 *	NM		NM		NM		NM	
D-10	716.53	18.76	697.77	17.12	699.41	17.98	698.55	18.00	698.53
D-11	723.47	20.83	702.64	20.14	703.33	20.52	702.95	20.53	702.94
D-12	710.29	23.93	686.36	21.47	688.82	21.99	688.30	22.30	687.99
I-1	711.52	17.34	694.18	16.38	695.14	16.69	694.83	16.76	694.76
1-D	714.17	NM		15.84	698.33	16.35	697.82	16.32	697.85
2-D	715.36	18.35	697.01	17.23	698.13	17.74	697.60	17.75	697.61
3-D	713.29	19.40	693.89	17.81	695.48	18.20	695.09	18.22	695.07
4-D	712.10	23.56	688.54	22.01	690.09	22.48	689.62	22.56	689.54
5-D	712.01	25.05	686.96	22.81	689.20	23.10	688.91	23.53	688.48
6-D	711.41	24.95	686.46	22.79	688.62	23.19	688.22	23.39	688.02
7-D	714.85	18.63	696.22	17.55	697.30	17.84	697.01	17.85	697.00
8-D	714.56	17.88	696.68	16.80	697.76	17.17	697.39	17.17	697.39

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

NM - NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED COMPLEX
SOUTH BEND, INDIANA
PROJECT # ALCMPX 013

T A GLEASON ASSOCIATES
Environmental and
Geotechnical Services

.=01-Nov-88

|WLM3

WELL NO.	(1) REFERENCE ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/3/88 WATER DEPTH	02/3/88 WATER ELEVATION	01/2/88 WATER DEPTH	01/2/88 WATER ELEVATION
86-1	715.70 *	NM		NM		NM		NM	
86-2	714.98 *	NM		NM		NM		NM	
86-4	715.09 *	NM		NM		NM		NM	
86-5	715.04 *	NM		NM		NM		NM	
86-6	***	NM		NM		NM		NM	
86-7	714.15	16.81	697.34	15.54	698.61	16.12	698.03	16.12	698.03
86-8	714.62 *	17.22	697.40	NM		NM		NM	
86-9	715.25 *	17.86	697.39	NM		NM		NM	
86-10	715.06	17.75	697.31	16.49	698.57	17.1	697.96	17.43	697.63
86-11	715.14 *	18.89	696.25	NM		NM		NM	
86-12	715.71 *	18.42	697.29	NM		NM		NM	
86-13	714.75	17.44	697.31	NM		NM		NM	
86-14	715.05 *	17.55	697.50	NM		NM		NM	
86-15	715.06 *	17.24	697.82	16.34		17.1	697.63	NM	
86-18	714.84	18.53	696.31	17.69	697.15	18.21	696.63	18.22	696.62
86-19	714.33	NM		NM		NM		NM	
86-20	713.07 *	NM		NM		NM		NM	
86-21	713.76 *	NM		NM		NM		NM	
7-25	720.47	NM		20.31	700.16	20.8	699.67	20.84	699.63
7-50	719.83	11.24	708.59	19.97	699.86	20.21	699.62	20.24	699.59
8-27	715.45 *	NM		NM		NM		NM	
9-33	716.69	18.55	698.14	17.99	698.7	18.37	698.32	18.38	698.31
OW-1	***	14.89		NM		NM		14.36	
OW-2	***	14.95		NM		NM		14.40	
S4-A	***	14.87		13.9		NM		14.21	
RWB-6	715.80	19.59	696.21	18.65	697.15	19.02	696.78	19.00	696.80
RWB-16	715.30	NM		17.78	697.52	18.29	697.01	18.31	696.99
RWB-21	717.62	NM		20.82	696.8	21.14	696.48	21.10	696.52
RWB-22	715.11	22.13	692.98	18.01	697.1	18.43	696.68	18.44	696.67
RWE-3	714.50	19.92	694.58	19.21	695.29	19.52	694.98	19.51	694.99

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

NM - NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED COMPLEX
SOUTH BEND, INDIANA
PROJECT # ALCMPX 013

T A GLEASON ASSOCIATES
Environmental and
Geotechnical Services

1DMCPMW
07-Oct-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
	16	02/09/88	AQUA	2200	7.32	13					30		<3						<10	<0.01	<0.010
	11	05/18/88	AQUA	1400	7.26	14					<30		<5						21	<0.01	<0.01
	11	09/23/88	AQUA	1380	6.95	13					<30		<6						<20	<0.01	0.02

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

2DMCPMW
07-Oct-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
	11	02/09/88	AQUA	2550	7.39	13					<20		<3						10	<0.01	2.8
	24	05/19/88	AQUA	1470	7.39	15					<30		<5						<20	<0.01	<0.01
	20	09/24/88	AQUA	1005	7.10	16					<30		<6						<20	<0.01	0.02

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

4DMCPMW
07-Oct-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	0.02
	17	02/09/88	AQUA	2200	7.50	13					<20		<3						<10	<0.01	2.55
	12	05/18/88	AQUA	1500	7.43	14					<30		<5						23	<0.01	<0.01
	16	09/24/88	AQUA	875	6.81	15.5					<30		<6						<20	<0.01	0.02

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

5DMCPMW
07-Oct-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
	21	02/09/88	AQUA	2050	6.95	13					20		<3						<10	<0.01	0.039
	14	05/18/88	AQUA	1000	7.18	14					<30		<5						<20	<0.01	0.02
	15	09/23/88	AQUA	1215	6.80	13					<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7DMCPMW
07-Oct-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	29	09/01/87	AQUA	1100	7.17	16					<10		<3						24	<0.01	<0.01
	30	01/15/88	AQUA	1380	7.07	14					<20		<30						10	<0.02	0.05
	15	02/09/88	AQUA	1975	7.33	13					40		<3						40	<0.01	0.031
	22	05/19/88	AQUA	1530	7.24	16					<30		<5						30	<0.01	<0.01
	18	09/24/88	AQUA	995	7.05	17					<30		<6						<20	<0.01	0.03

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

8DMCPMW
07-Oct-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	0.01
	29	01/15/88	AQUA	2200	6.84	11					<20		<30						10	<0.02	0.01
	13	02/09/88	AQUA	2700	7.40	13					<20		<3						20	0.14	0.089
	14	02/09/88	AQUA	2700	7.40	13					<20		<3						10	0.14	0.034
	23	05/19/88	AQUA	2100	7.32	15					<30		<5						<20	<0.01	0.04
	19	09/24/88	AQUA	1480	6.90	17.5					<30		<6						<20	0.01	0.08

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

725MCPMW
07-Oct-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
	2	02/08/88	AQUA	1160	7.10	9					<20		<3						10	<0.010	0.72
	2	05/18/88	AQUA	900	7.13	12					<30		<5						<20	<0.01	<0.01
	2	09/22/88	AQUA	640	7.10	14					<30		<6						<20	<0.01	0.01

NOTES:

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

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

933MCPMW
07-Oct-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	0.03
	31	02/10/88	AQUA	2000	7.40	12					<20		<3						<10	<0.01	<0.010
	3	05/18/88	AQUA	1400	7.34	14					30		<5						<20	<0.01	<0.01
	3	09/22/88	AQUA	980	7.20	17					<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

*METAL FILTERED THRU .45 MICRON FILTER

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

R59MCPMW
07-Oct-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

BLANK SPACE INDICATED ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

D4MCPMW
25-Oct-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
	7	02/08/88	AQUA	1390	7.70	12					30		3						10	<0.01	0.179
	8	02/08/88	AQUA	1380	7.68	12					<20		<3						10	<0.01	0.056
	10	05/18/88	AQUA	850	7.77	14					<30		<5						<20	<0.01	0.14
	10	09/23/88	AQUA	850	7.45	15					<30		<6						<20	<0.01	0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

D7MCPMW
07-Oct-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	0.4
	14	01/14/88	AQUA	860	6.89	13					<20		<30						10	<0.02	0.16
	10	02/08/88	AQUA	1080	7.94	13					20		<3						<10	<0.01	0.5
	20	5/18/88	AQUA	900	7.76	14					<30		<5						<20	<0.01	<0.01
	29	09/25/88	AQUA	1245	7.10	16					<30		<6						<20	<0.01	0.02

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S1MCPMW
07-Oct-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
	1	02/08/88	AQUA	1840	7.22	10					20		<3						10	<0.01	0.046
	1	5/18/88	AQUA	1000	7.17	13					<30		<5						<10	<0.01	<0.01
	1	09/22/88	AQUA	620	7.10	13					<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S3MCPMW
07-Oct-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	0.04	0.01
	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	0.04
	3	02/08/88	AQUA	2400	7.29	12					<20		<3						10	<0.01	0.913
	4	5/18/88	AQUA	2300	7.33	14					<30		<5						24	<0.01	0.04
	4	09/23/88	AQUA	1395	7.05	14.5					<30		<6						<20	<0.01	0.07

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 3

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCHPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S4AMCPMW
07-Oct-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																
	307	09/28/86	AQUA				<20	44	<2	<4	24	200	68	<0.3	44	<40	4		920	<0.010	
S-4A	22	06/05/87	AQUA	1600	7.48	16					<5		<3								
	27	09/04/87	AQUA	1700	6.94	15					<10		3						30	0.028	>0.010
	25	01/14/88	AQUA	2000	6.49	13					<20		<30						24	0.008	0.035
	6	02/08/88	AQUA	2500	7.20	13					<20		<3						10	0.02	0.08
	7	5/18/88	AQUA	1700	7.27	14					44		<5						60	0.01	7.6
	8	5/18/88	AQUA								<30		<5						48	<0.01	<0.01
																			43	<0.01	<0.01
	7	09/22/88	AQUA	1655	6.95	16.5					<30		<6						<20	<0.01	0.07
	8	09/22/88	AQUA								<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIE:D THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S9MCPMW
07-Oct-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	CCL				<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
	9	02/08/88	AQUA	3000	7.35	12					<20		<3						20	<0.01	0.202
	9	5/18/88	AQUA	1600	7.41	15					<30		<5						28	<0.01	<0.01
	9	09/23/88	AQUA	1350	7.15	18.5					<30		<6						<20	<0.01	0.04

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

CCL=COMPUCHEM LABORATORIES

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S14MCPMW
07-Oct-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
	5	02/08/88	AQUA	3000	7.41	12					<20		<3						70	<0.01	<0.010
	5	5/18/88	AQUA	2200	7.36	14					<30		<5						71	<0.01	<0.01
	5	09/23/88	AQUA	1320	6.95	18.5					<30		<6						20	<0.01	0.10

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S22MCPMW
07-Oct-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	0.03
	23	02/09/88	AQUA	2000	6.49	12					<20		<3								
																			<10	<0.01	0.024
	15	05/18/88	AQUA	1300	6.68	11					<30		<5								
																			<20	<0.01	0.03
	16	05/18/88	AQUA								<30		<5								
																			<20	<0.01	<0.01
	22	09/25/88	AQUA	1460	6.75	13					<30		<6								
																			<20	<0.01	0.11

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S23MCPMW
07-Oct-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	0.64
	9	01/13/88	AQUA	1175	6.89	11					<20		<30						10	<0.02	<0.010
	24	02/09/88	AQUA	2050	7.31	12					<20		<3						<10	0.01	0.108
	17	5/18/88	AQUA	1060	7.22	12					<30		<5						<20	<0.01	<0.01
	17	09/24/88	AQUA	620	6.95	14					<30		<6						<20	<0.01	0.05

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S24MCPMW
07-Oct-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
	28	05/19/88	AQUA	1600	7.32	11					<30		<5						<20	<0.01	0.02
	26	09/25/88	AQUA	1920	6.60	13					<30		<6						<20	<0.01	<0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S25MCPMW
07-Oct-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	0.06
	20	02/09/88	AQUA	2600	7.15	11					<20		<3						10	<0.01	0.122
	18	05/18/88	AQUA	1440	7.08	14					<30		<5						330	<0.01	<0.01
	25	09/25/88	AQUA	1430	6.70	17					<30		<6						<20	<0.01	<0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S26MCPMW
07-Oct-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	0.13
	18	02/09/88	AQUA	3100	6.80	12					<20		<3						20	<0.01	0.106
	29	05/19/88	AQUA	1900	6.92	14					<30		<5						2600	<0.01	0.02
	21	09/24/88	AQUA	1025	6.90	17					<30		<6						<20	<0.01	0.07

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 012

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S27MCPMW
07-Oct-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	0.06
	32	02/10/88	AQUA	2600	7.20	12					<20		<3						20	<0.01	0.031
	27	05/19/88	AQUA	1450	7.26	12					<30		<5						38	<0.01	<0.01
	27	09/25/88	AQUA	1855	6.70	13					<30		<6						58	<0.01	0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

FBMCPMW
07-Oct-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
	34	02/10/88	AQUA								<20		<3						<10	<0.01	<0.010
	35	02/10/88	AQUA								<20		<3						<10	<0.01	<0.010
	21	05/19/88	AQUA	40	6.59	22					<30		<5						<20	<0.01	0.09
	36	05/19/88	AQUA								<30		<5						<20	<0.01	0.01
	28	09/25/88	AQUA	32	7.00						<30		<6						<20	<0.01	0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 6/05/87 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

RWE3IN
07-Oct-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						.80	0.07	0.012
	19	01/14/88	AQUA								<20		<30						10	<0.02	0.02
	29	02/10/88	AQUA	2600	7.10	16					<20		<3						<10	<0.01	<0.010
	34	05/19/88	AQUA	1420	7.16	16					<30		<5						<20	<0.01	<0.01
	32	09/25/88	AQUA	3010	6.95	18					<30		<6						<20	<0.01	0.08

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 1/14/88 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 1 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCHPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

RW06IN
07-Oct-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-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	0.01
	26	02/10/88	AQUA	2400	7.50	13					20		<3						20	<0.01	<0.010
	31	05/19/88	AQUA	1380	7.55	14					<30		<5						<20	<0.01	<0.01
	31	09/25/88	AQUA	2500	6.80	16.5					<30		<6						<20	<0.01	0.07

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 1/14/88 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 2 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

RW16IN
07-Oct-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
RW8-16	8	03/25/87	AQUA								<20		<3						10	0.07	0.017
	20	01/14/88	AQUA								<20		<30						10	0.03	0.020
	30	02/10/88	AQUA	2500	7.35	15					<20		<3						20	0.02	<0.010
	35	05/19/88	AQUA	1400	7.29	15					<30		<5						<20	<0.01	<0.02
	33	09/25/88	AQUA	2800	6.70	19					<30		<6						<20	<0.01	0.03

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 1/14/88 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 3 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW21IN
07-Oct-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-21	12	03/25/87	AQUA								<20		<3						10	0.05	0.015
	15	01/14/88	AQUA								<20		<30						10	<0.02	0.01
	25	02/10/88	AQUA	1825	7.40	12					<20		<3						<10	<0.01	<0.010
	30	05/19/88	AQUA	1300	7.43	13					<30		<5						22	<0.01	<0.01

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 1/14/88 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 4

GROUNDWATER QUALITY ANALYSIS
METALS, CYANIDE AND PHENOLS
PAGE 4 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW22IN
07-Oct-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
RW8-22	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
	27	02/10/88	AQUA	2500	7.20	15					50		<3						<10	<0.01	<0.010
	28	02/10/88	AQUA	2500	7.20	15					30		<3						<10	<0.01	<0.010
	32	05/19/88	AQUA	1300	7.27	15					<30		<5						<20	<0.01	<0.01
	33	05/19/88	AQUA	1300	7.24	15					<30		<5						<20	<0.01	<0.01
	30	09/25/88	AQUA	1725	6.70	15					<30		<6						<20	<0.01	0.11

NOTES:

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

< = LESS THAN

METAL SAMPLES COLLECTED SINCE 1/14/88 WERE FILTERED IN THE FIELD THROUGH .45 MICRON FILTER

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED

TABLE 4

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

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

1DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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					
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	12.0	ND	ND	ND	ND	ND					
	06/04/87	22	AQUA	ND	ND	ND	ND	ND	29.0	ND	ND	ND	ND	ND					
	01/14/88	13	AQUA	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND					
	02/09/88	16	AQUA	ND	ND	ND	ND	ND	11.0	ND	ND	ND	ND	ND					
	05/18/88	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	9/23/88	11	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

2DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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					
2-D	12/18/86	2	AQUA	ND	20.4	ND	ND	ND	ND	ND	ND	ND	ND						
	06/05/87	11	AQUA	ND	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	09/03/87	19	AQUA	ND	24.0	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	01/15/88	34	AQUA	ND	34.0	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	02/09/88	11	AQUA	ND	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	05/19/88	24	AQUA	ND	34.2	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	09/24/88	20	AQUA	ND	26.0	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

3DOCMW
25-Oct-88

WELL NO.	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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
3-D	12/18/86	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND
	02/12/87	10	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.

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 3 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

4DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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					
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					
	02/09/88	17	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.3**	8.0					
	03/14/88	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.0					
	05/18/88	12	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.4					
	09/24/88	16	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.2					

NOTES:

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

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

**NOTE: TOLUENE WAS NOT DETECTED IN 6 PREVIOUS SAMPLINGS. A RESAMPLING ON 3/14/88 DETECTED NO TOLUENE. BASED ON PREVIOUS DATA & THE RETEST, WE CONCLUDE THAT THE 2/9/88 SAMPLING DATA IS AN ANOMOLY.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

500CMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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				
5-D	12/18/86	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0				
	12/18/86	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0				
	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				
	02/09/88	21	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7**	ND				
	03/14/88	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1				
	05/18/88	14	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.4				
	09/23/88	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.

**NOTE: TOLUENE WAS NOT DETECTED IN 6 PREVIOUS SAMPLINGS. A RESAMPLING ON 3/14/88 DETECTED NO TOLUENE. BASED ON PREVIOUS DATA & THE RETEST, WE CONCLUDED THAT THE 2/9/88 SAMPLING DATA IS AN ANOMOLY.

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 5 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

6DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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					
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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	
7-D	07/10/87	3	AQUA	ND	ND	ND	17.0	ND	19.0	ND	ND	ND	ND	250.0	
	07/10/87	4	AQUA	ND	ND	ND	16.0	ND	17.0	ND	ND	ND	ND	250.0	
	09/04/87	29	AQUA	ND	ND	ND	ND	ND	20.0	14.0	ND	ND	ND	220.0	
	01/15/88	30	AQUA	ND	ND	ND	10.0	ND	17.0	ND	ND	ND	ND	142.0	
	02/09/88	15	AQUA	ND	ND	ND	20.0	ND	14.0	ND	ND	ND	ND	148.0	
	05/19/88	22	AQUA	ND	ND	ND	ND	ND	16.6	ND	ND	ND	ND	210.0	
	09/24/88	18	AQUA	ND	ND	ND	7.6	ND	9.2	ND	ND	ND	ND	52.0	

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

8DOCMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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					
8-D	07/10/87	5	AQUA	ND	ND	ND	27.0	ND	ND	ND	ND	ND	ND	720.0					
	09/04/87	30	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	900.0					
	01/15/88	28	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	840.0					
	01/15/88	29	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	855.0					
	02/09/88	13	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	770.0					
	02/09/88	14	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	630.0					
	05/19/88	23	AQUA	ND	ND	ND	24.0	ND	ND	ND	67.9	ND	ND	1600.0					
	09/24/88	19	AQUA	ND	ND	ND	32.0	20.0	ND	ND	ND	ND	ND	420.0					

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7250CMW
25-Oct-88

				PRIORITY										OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L				
7-25	11/07/86	31	AQUA	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				
	02/08/88	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	05/18/88	2	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	09/22/88	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

7500CMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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
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.

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 10 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

9330CMW
25-Oct-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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					
	02/10/88	31	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	05/18/88	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	09/22/88	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.

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D30CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

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
D-3	11/05/86	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OTHER ORGANIC COMPOUNDS

WELL NO.	DATE	SAMPLE #	LAB	CIS-1, 2-DICHLORO-ETHENE UG/L	BIS (2-ETHYLHEXYL) PHTHALATE UG/L
D-3	11/05/86	5	AQUA	ND	4.2

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D40CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO ETHENE 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				
	02/08/88	7	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	02/08/88	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	05/18/88	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	09/22/88	10	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D50CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

WELL NO.	DATE	SAMPLE #	LAB	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	CIS-1,2-DICHLOROETHENE UG/L
D-5	11/06/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/18/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OTHER ORGANIC COMPOUNDS

BASE NEUTRAL COMPOUNDS UG/L	BIS (2-ETHYLHEXYL) PHTHALATE UG/L
	4.6
3.3	3.3

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D70CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L
D-7	10/01/86	10	AQUA	ND	689.0	ND	20.2	ND	ND	ND	ND	ND	ND	
	11/06/86	26	AQUA	ND	437.0	ND	15.7	ND	ND	ND	ND	ND	ND	
	01/07/87	9	AQUA	ND	902.0	ND	ND	ND	ND	ND	ND	ND	ND	40.0
	02/12/87	14	AQUA	ND	812.0	ND	30.0	ND	ND	ND	ND	ND	ND	
	06/05/87	9	AQUA	ND	890.0	ND	ND	ND	ND	ND	ND	ND	ND	33.0
	06/05/87	10	AQUA	ND	900.0	ND	ND	ND	ND	ND	ND	ND	ND	31.0
	09/03/87	17	AQUA	ND	800.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/03/87	18	AQUA	ND	750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/14/88	14	AQUA	ND	710.0	ND	ND	ND	ND	ND	ND	ND	ND	30.0
	02/08/88	10	AQUA	ND	680.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/88	20	AQUA	ND	1165.0	ND	ND	ND	ND	ND	19.1	ND	ND	48.2
	09/24/88	29	AQUA	ND	780.0	ND	ND	ND	ND	ND	ND	ND	ND	26.0

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D100CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	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
D-10	11/06/86	15	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

D11OCMW
25-Oct-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC COMPOUNDS	
				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	CIS-1,2-DICHLOROETHENE	BIS (2-ETHYLHEXYL) PHTHALATE
				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	ND	3.6

NOTES:

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

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

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 17 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

I10CMW
25-Oct-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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
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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S1OCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L	BASE NEUTRAL COMPOUNDS UG/L	BIS (2-ETHYLHEXYL) PHTHALATE 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
	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		
	02/08/88	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	05/18/88	1	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	09/22/88	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S20CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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
S-2	11/06/86	23	AQUA	ND	ND	ND	16.3	12.4	126.0	ND	ND	ND	ND
	01/07/87	1	AQUA	ND	ND	ND	ND	ND	26.7	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S3OCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L	BIS (2-ETHYLHEXYL) PHTHALATE 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	
	02/08/88	3	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	4	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/23/88	4	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.

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 21 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 012

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S4AOCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L
S-4A	06/05/87	22	AQUA	1100.0	ND	200.0	110.0	200.0	120.0	ND	ND	ND	ND	820.0
	09/04/87	27	AQUA	1100.0	ND	80.0	170.0	ND	17.0	ND	790.0	ND	ND	2000.0
	01/14/88	25	AQUA	1600.0	ND	180.0	112.0	ND	ND	ND	700.0	ND	ND	1800.0
	02/08/88	2	AQUA	1500.0	ND	165.0	160.0	ND	ND	ND	900.0	ND	ND	1770.0
	05/18/88	7	AQUA	1700.0	ND	165.0	ND	ND	ND	ND	437.0	ND	ND	2800.0
	05/18/88	8	AQUA	1640.0	ND	200.0	ND	ND	ND	ND	373.0	ND	ND	2750.0
	09/22/88	7	AQUA	1810.0	7.0	292.0	154.0	11.0	40.0	ND	1570.0	ND	ND	940.0
	09/22/88	8	AQUA	1820.0	7.3	281.0	155.0	10.0	39.0	ND	1620.0	ND	ND	920.0

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S5OCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L	BIS (2-ETHYLHEXYL) PHTHALATE UG/L	DI-N-OCTYL PHTHALATE UG/L
S-5	11/07/86	29	AQUA	ND	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S70CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L
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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S80CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE	BIS (2-ETHYLHEXYL) PHTHALATE
				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-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	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	56.0	ND	9.0	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S90CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

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	CIS-1,2-DICHLORO-ETHENE UG/L	OTHER ORGANIC COMPOUNDS: BIS (2-ETHYLHEXYL) PHTHALATE UG/L
S-9	10/01/86	12	AQUA	ND	81.3	ND	2.2	ND	ND	ND	ND	ND	ND		
	11/05/86	4	AQUA	ND	29.0	ND	2.3	ND	ND	ND	ND	ND	ND		6.6
	12/18/86	20	AQUA	ND	210.0	ND	ND	ND	ND	ND	ND	ND	ND	15.0	
	12/18/86	30	AQUA	ND	43.3	ND	ND	ND	ND	ND	ND	ND	ND		
	02/12/87	12	AQUA	ND	313.0	ND	23.0	ND	ND	ND	ND	ND	ND		
	06/05/87	7	AQUA	ND	460.0	ND	ND	ND	ND	ND	ND	ND	ND	17.0	
	09/03/87	9	AQUA	ND	170.0	ND	ND	ND	ND	ND	ND	ND	ND	13.0	
	01/13/88	6	AQUA	ND	810.0	ND	ND	ND	ND	ND	ND	ND	ND	43.0	
	02/08/88	9	AQUA	ND	440.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	9	AQUA	ND	440.0	ND	ND	ND	ND	ND	ND	ND	ND	47.6	
	09/23/88	9	AQUA	ND	240.0	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.

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 26 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S120CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

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	CIS-1,2-DICHLORO-ETHENE UG/L
S-12	11/06/86	24	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OTHER ORGANIC COMPOUNDS

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 012

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S140CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

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	CIS-1,2-DICHLORO-ETHENE UG/L
S-14	11/06/86	21	AQUA	ND	120.0	ND	42.2	ND	3.6	ND	ND	ND	ND	
	02/12/87	15	AQUA	77.0	217.0	20.0	ND	ND	ND	ND	ND	ND	ND	ND
	06/05/87	5	AQUA	58.0	180.0	ND	12.0	ND	8.5	ND	ND	ND	ND	150.0
	09/03/87	7	AQUA	ND	140.0	ND	ND	ND	8.0	ND	ND	ND	ND	120.0
	01/14/88	23	AQUA	113.0	108.0	15.0	ND	21.0	14.0	ND	55.0	ND	ND	240.0
	02/08/88	5	AQUA	120.0	115.0	ND	16.0	15.0	11.0	ND	ND	ND	ND	250.0
	05/18/88	5	AQUA	135.0	59.3	8.9	12.3	12.7	10.1	ND	ND	ND	ND	396.0
	09/23/88	5	AQUA	62.0	55.0	9.3	10.9	ND	ND	ND	ND	ND	ND	98.0

OTHER ORGANIC COMPOUNDS

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S150CMW
25-Oct-88

				PRIORITY POLLUTANTS																
				VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE	BIS (2-ETHYLHEXYL) PHTHALATE					
				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					
	12/18/86	22	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
	06/05/87	6	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
	09/03/87	6	AQUA	ND	ND	ND	ND	ND	ND	ND	76.0	ND	ND	ND						
	06/03/87	5	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
	01/14/88	24	AQUA	22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
	02/08/88	4	AQUA	19.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
	05/18/88	6	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
	09/23/88	6	AQUA	5.2	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.

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S160CMW
25-Oct-88

WELL NO.	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS: VOLATILE ORGANIC COMPOUNDS (VOC) 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	OTHER ORGANIC COMPOUNDS: CIS-1,2-DICHLOROETHENE UG/L	BIS (2-ETHYLHEXYL) PHTHALATE UG/L
S-16	11/16/86	11	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		6.1
	12/18/86	19	AQUA	ND	ND	ND	ND	22.5	70.1	ND	ND	ND	ND		
	12/18/86	29	AQUA	ND	ND	ND	ND	21.5	63.8	ND	ND	ND	ND		
	02/12/87	11	AQUA	ND	ND	ND	4.4	23.3	95.0	ND	ND	ND	ND		
	06/05/87	12	AQUA	ND	ND	ND	5.6	18.0	57.0	ND	ND	ND	ND	5.6	
	09/04/87	28	AQUA	ND	ND	ND	ND	ND	65.0	ND	ND	ND	ND	ND	
	01/15/88	27	AQUA	ND	ND	ND	ND	15.0	58.0	ND	ND	ND	ND	ND	
	02/09/88	12	AQUA	ND	ND	ND	ND	13.5	53.0	ND	ND	ND	ND	ND	
	05/19/88	25	AQUA	ND	ND	ND	ND	10.9	52.0	ND	ND	ND	ND	6.8	
	09/23/88	14	AQUA	ND	ND	ND	ND	20.0	76.0	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S17OCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	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	
	02/12/87	3	AQUA	ND	ND	ND	7.9	ND	116.0	ND	ND	ND	ND	
	06/05/87	15	AQUA	ND	ND	ND	ND	ND	80.0	ND	ND	ND	ND	5.6
	09/03/87	20	AQUA	ND	ND	ND	ND	ND	86.0	ND	ND	ND	ND	ND
	01/14/88	22	AQUA	ND	ND	ND	ND	ND	68.0	ND	ND	ND	ND	8.8
	02/10/88	33	AQUA	ND	ND	ND	ND	ND	75.0	ND	ND	ND	ND	5.8
	05/19/88	26	AQUA	ND	ND	ND	ND	ND	60.7	ND	ND	ND	ND	ND
	09/23/88	12	AQUA	ND	ND	ND	ND	ND	78.0	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S180CMW
25-Oct-88

PRIORITY POLLUTANTS

				VOLATILE ORGANIC COMPOUNDS (VOC)											OTHER ORGANIC 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	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					
S-18	11/06/86	12	AQUA	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND						
	11/06/86	13	AQUA	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						

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S190CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L	BIS (2-ETHYLHEXYL) PHTHALATE UG/L
S-19	11/05/86	2	AQUA	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND	3.0

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S200CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC)

WELL NO.	DATE	SAMPLE #	LAB	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	OTHER ORGANIC COMPOUNDS: CIS-1,2-DICHLOROETHENE 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	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
	02/09/88	19	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/19/88	19	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/25/88	23	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/25/88	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S210CMW
25-Oct-88

				PRIORITY POLLUTANTS															
				VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L					
S-21	11/06/86	17	AQUA	ND	ND	ND	116.0	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	30.0	ND	ND	ND	ND	ND	ND	5.0					
	06/05/87	18	AQUA	ND	ND	ND	34.0	ND	ND	ND	ND	ND	ND	5.6					
	09/03/87	14	AQUA	ND	ND	ND	13.0	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					
	02/09/88	22	AQUA	ND	ND	ND	33.0	ND	ND	ND	ND	ND	ND	60.0					
	05/18/88	13	AQUA	ND	ND	ND	11.1	ND	ND	ND	ND	ND	ND	137.0					
	09/23/88	13	AQUA	ND	ND	ND	49.0	ND	ND	ND	ND	ND	ND	58.0					

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S220CMW
25-Oct-88

WELL NO.	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS: 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	OTHER ORGANIC COMPOUNDS: CIS-1,2-DICHLORO-ETHENE UG/L
S-22	11/06/86	18	AQUA	ND	ND	ND	164.0	ND	ND	ND	ND	ND	ND	
	01/07/87	6	AQUA	ND	ND	ND	75.8	ND	ND	ND	ND	ND	ND	50.0
	01/07/87	7	AQUA	ND	ND	ND	73.6	ND	ND	ND	ND	ND	ND	50.0
	02/12/87	6	AQUA	ND	ND	ND	132.0	ND	ND	ND	ND	ND	ND	
	02/12/87	7	AQUA	ND	ND	ND	109.0	ND	ND	ND	ND	ND	ND	
	06/05/87	20	AQUA	ND	ND	ND	69.0	ND	ND	ND	ND	ND	ND	41.0
	09/03/87	12	AQUA	ND	ND	ND	41.0	ND	ND	ND	ND	ND	ND	57.0
	01/13/88	8	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.5
	02/09/88	23	AQUA	ND	ND	ND	61.0	ND	ND	ND	ND	ND	ND	48.0
	05/18/88	15	AQUA	ND	ND	ND	27.7	ND	ND	ND	ND	ND	ND	77.5
	05/18/88	16	AQUA	ND	ND	ND	25.2	ND	ND	ND	ND	ND	ND	82.0
	09/25/88	22	AQUA	ND	ND	ND	45.0	ND	ND	ND	ND	ND	ND	21.0

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S230CMW
25-Oct-88

PRIORITY POLLUTANTS

WELL NO.	DATE	SAMPLE #	LAB	VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE	BIS (2-ETHYLHEXYL) PHTHALATE
				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	
	02/09/88	24	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	17	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	
	09/24/88	17	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.

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 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S240CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L
S-24	07/10/87	2	AQUA	ND	ND	ND	145.0	ND	150.0	ND	ND	ND	ND	170.0
	09/04/87	25	AQUA	ND	ND	ND	140.0	ND	170.0	ND	ND	ND	ND	150.0
	05/19/88	28	AQUA	ND	ND	ND	230.0	ND	105.0	ND	ND	ND	ND	277.0
	09/25/88	26	AQUA	ND	ND	ND	124.0	ND	85.0	ND	ND	ND	ND	75.0

NOTES:

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

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

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S25OCMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE 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
	02/09/88	20	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/88	18	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3
	09/25/88	25	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.

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 39 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S260CMW
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	CIS-1,2-DICHLORO-ETHENE UG/L
S-26	07/10/87	7	AQUA	ND	ND	ND	ND	ND	16.0	ND	ND	ND	ND	ND
	09/03/87	16	AQUA	ND	ND	ND	ND	ND	14.0	ND	ND	ND	ND	ND
	01/15/88	31	AQUA	ND	ND	ND	ND	ND	17.0	ND	ND	ND	ND	ND
	02/09/88	18	AQUA	ND	ND	ND	ND	ND	18.0	ND	ND	ND	ND	ND
	05/19/88	29	AQUA	ND	ND	ND	ND	ND	15.6	ND	ND	ND	ND	5.1
	09/24/88	21	AQUA	ND	ND	ND	ND	ND	17.0	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.

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 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

S27OCMW
25-Oct-88

WELL NO.	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS: 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	OTHER ORGANIC COMPOUNDS: CIS-1,2-DICHLORO-ETHENE UG/L
S-27	07/10/87	8	AQUA	ND	ND	ND	10.0		90.0	ND	ND	ND	ND	9.4
	09/04/87	26	AQUA	ND	ND	ND	8.0	ND	100.0	ND	ND	ND	ND	7.5
	01/15/88	33	AQUA	ND	ND	ND	19.0	ND	96.0	ND	ND	ND	ND	9.8
	02/10/88	32	AQUA	ND	ND	ND	16.0	ND	81.0	ND	ND	ND	ND	12.0
	05/19/88	27	AQUA	ND	ND	ND	18.4	ND	74.6	ND	ND	ND	ND	24.5
	09/25/88	27	AQUA	ND	ND	ND	26.0	ND	85.0	ND	ND	ND	ND	11.0

NOTES:

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

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

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 41 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

FBOCMW-1
25-Oct-88

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS (VOC) | OTHER ORGANIC 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	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	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	21.0	ND	ND	7.7**

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

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

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 VOC; DICHLOROBROMOMETHANE

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 42 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

FBOCMW-2
25-Oct-88

				PRIORITY POLLUTANTS															
				VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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					
BLANK	02/10/88	34	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	16.0	ND	ND	5.6**				
	02/10/88	35	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND	ND	5.0**				
	05/18/88	21	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	05/19/88	36	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
	09/25/88	28	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.

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 VOC; DICHLOROBROMOMETHANE

TABLE 5

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 43 OF 43
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

RWE3OR
25-Oct-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DI-CHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
E-3	03/25/87	7	AQUA	72.0	56.0	ND	10.0	10.0	53.0	ND	23.0	ND	ND	ND	
	01/14/88	19	AQUA	60.0	25.0	ND	9.4	9.2	48.0	ND	19.0	ND	ND	ND	
	02/10/88	29	AQUA	60.0	26.0	ND	11.0	8.5	61.0	70.0	21.0	ND	ND	ND	
	05/19/88	34	AQUA	43.0	26.6	ND	7.8	ND	86.0	ND	15.0	ND	29.5	22.9	18.3
	09/25/88	32	AQUA	51.0	28.0	ND	5.6	ND	28.0	11.0	9.2	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 1 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

RW060R
25-Oct-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DI-CHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE
				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
RWB-6	03/25/87	10	AQUA	ND	300.0	8.7	50.0	ND	410.0	54.0	65.0	ND	ND	ND	
	03/25/87	11	AQUA	ND	300.0	12.0	50.0	ND	410.0	72.0	69.0	ND	ND	ND	
	09/04/87	33	AQUA	ND	ND	ND	ND	ND	700.0	45.0	ND	290.0	ND	ND	
	01/14/88	16	AQUA	ND	ND	ND	ND	ND	460.0	ND	ND	250.0	ND	ND	
	02/10/88	26	AQUA	ND	ND	ND	ND	ND	550.0	55.0	57.0	230.0	ND	ND	
	05/19/88	31	AQUA	ND	ND	ND	23.4	ND	672.0	41.8	ND	391.0	ND	ND	ND
	09/25/88	31	AQUA	29.0	8.3	ND	30.0	ND	230.0	35.0	49.0	ND	ND	17.0	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 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT #. ALCMPX SBIN 013

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

RW16OR
25-Oct-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 UG/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	VINYL CHLORIDE UG/L
RWB-16	03/25/87	8	AQUA	22.0	16.0	ND	ND	ND	16.0	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	220.0	ND	
	02/10/88	30	AQUA	ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND	
	05/19/88	35	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	149.0	22.5	ND
	09/25/88	33	AQUA	152.0	ND	ND	ND	ND	ND	6.0	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 3 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

RW21OR
25-Oct-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 UG/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	VINYL CHLORIDE UG/L
RWB-21	03/25/87	12	AQUA	ND	15.0	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	
	02/10/88	25	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/19/88	30	AQUA	ND	5.9	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.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

RW22OR
25-Oct-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	VINYL CHLORIDE UG/L
RWB-22	03/25/87	9	AQUA	184.0	124.0	ND	94.0	ND	ND	60.0	199.0	ND	ND	ND	
	09/04/87	34	AQUA	ND	ND	ND	81.0	ND	ND	ND	160.0	ND	420.0	ND	
	01/14/88	17	AQUA	117.0	48.0	ND	47.0	22.0	36.0	ND	85.0	ND	70.0	ND	
	01/14/88	18	AQUA	122.0	53.0	ND	51.0	24.0	38.0	ND	91.0	ND	90.0	ND	
	02/10/88	27	AQUA	170.0	59.0	ND	73.0	61.0	44.0	14.0	140.0	ND	110.0	ND	
	02/10/88	28	AQUA	151.0	51.0	ND	70.0	50.0	46.0	11.0	140.0	ND	ND	ND	
	05/19/88	32	AQUA	119.0	48.2	ND	103.0	79.5	92.5	ND	133.0	ND	33.6	ND	ND
	05/19/88	33	AQUA	118.0	47.9	ND	58.8	34.7	113.0	ND	113.0	ND	35.7	29.1	ND
	09/25/88	30	AQUA	ND	8.3	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.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 5 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 013

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

23-Jul-89
WLM1A

WELL NO.	(1) REFERENCE ELEVATION							06/07/89		02/21/89	
		WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION
S-1	728.09							24.53	703.56	25.39	702.70
S-2	721.82							NM		NM	
S-3	716.65							19.70	696.95	20.91	695.74
S-5	712.83							14.23	698.60	14.81	698.02
S-6	713.08							NM		NM	
S-7	716.16							NM		NM	
S-8	714.65							18.47	696.18	18.96	695.69
S-9	714.17							17.66	696.51	18.19	695.98
S-10	715.40 *							NM		NM	
S-11	715.64 *							NM		NM	
S-12	721.45							19.63	701.82	19.97	701.48
S-13	721.10 *							NM		NM	
S-14	711.86							15.58	696.28	16.03	695.83
S-15	714.37							19.52	694.85	18.86	695.51
S-16	716.18							18.48	697.70	19.87	696.31
S-17	716.97							20.54	696.43	20.64	696.33
S-18	715.41							17.10	698.31	17.62	697.79
S-19	723.38							19.68	703.70	20.56	702.82
S-20	709.97							14.56	695.41	15.03	694.94
S-21	711.33							15.24	696.09	14.67	696.66
S-22	709.33							13.86	695.47	14.18	695.15
S-23	710.24							15.75	694.49	15.02	695.22
S-24	713.03							16.65	696.38	17.76	695.27
S-25	710.60							14.70	695.90	15.42	695.18
S-26	714.50							19.04	695.46	18.46	696.04
S-27	715.40							19.02	696.38	19.73	695.67

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

NM = NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

23-Jul-89
WLM2A

WELL NO.	(1) REFERENCE ELEVATION								06/07/89		02/21/89	
		WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION		WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION
D-1	720.73 *								NM		NM	
D-1A	721.69 *								NM		NM	
D-3	714.51								NM		NM	
D-4	717.85								21.73	696.12	22.19	695.66
D-5	712.14								NM		NM	
D-7	713.83								16.75	697.08	17.22	696.61
D-8	717.04								NM		NM	
D-9	717.00 *								NM		NM	
D-10	716.53								NM		NM	
D-11	723.47								NM		NM	
D-12	710.29								NM		NM	
I-1	711.52								NM		NM	
1-D	714.17								16.91	697.26	17.44	696.73
2-D	715.36								18.73	696.63	19.31	697.61
3-D	713.29								NM		NM	
4-D	712.10								NM		NM	
5-D	712.01								22.36	689.65	25.03	686.98
6-D	711.41								NM		NM	
7-D	714.85								21.36	693.49	22.04	692.81
8-D	714.56								20.42	694.14	20.90	693.66

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

NM = NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

11-Jul-89
WLM3

WELL NO.	(1) REFERENCE ELEVATION	12/06-07/88 WATER DEPTH	12/06-07/88 WATER ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/03/88 WATER DEPTH	02/03/88 WATER ELEVATION	01/02/88 WATER DEPTH	01/02/88 WATER ELEVATION
86-1	715.70 *	NM		NM		NM		NM		NM	
86-2	714.98 *	NM		NM		NM		NM		NM	
86-4	715.09 *	NM		NM		NM		NM		NM	
86-5	715.04 *	NM		NM		NM		NM		NM	
86-6	***	NM		NM		NM		NM		NM	
86-7	714.15	16.27	697.88	16.81	697.34	15.54	698.61	16.12	698.03	16.12	698.03
86-8	714.62 *	17.20	697.42	17.22	697.40	NM		NM		NM	
86-9	715.25 *	17.91	697.34	17.86	697.39	NM		NM		NM	
86-10	715.06	18.02	697.04	17.75	697.31	16.49	698.57	17.1	697.96	17.43	697.63
86-11	715.14 *	18.17	696.97	18.89	696.25	NM		NM		NM	
86-12	715.71 *	18.72	696.99	18.42	697.29	NM		NM		NM	
86-13	714.75	17.47	697.28	17.44	697.31	NM		NM		NM	
86-14	715.05 *	17.95	697.10	17.55	697.50	NM		NM		NM	
86-15	715.06 *	17.96	697.10	17.24	697.82	16.34		17.1	697.63	NM	
86-18	714.84	NM		18.53	696.31	17.69	697.15	18.21	696.63	18.22	696.62
86-19	714.33	NM		NM		NM		NM		NM	
86-20	713.07 *	NM		NM		NM		NM		NM	
86-21	713.76 *	NM		NM		NM		NM		NM	
7-25	720.47	NM		NM		20.31	700.16	20.8	699.67	20.84	699.63
7-50	719.83	20.12	699.71	11.24	708.59	19.97	699.86	20.21	699.62	20.24	699.59
8-27	715.45 *	NM		NM		NM		NM		NM	
9-33	716.69	18.20	698.49	18.55	698.14	17.99	698.7	18.37	698.32	18.38	698.31
OW-1	***	15.05		14.89		NM		NM		14.36	
OW-2	***	15.12		14.95		NM		NM		14.40	
S4-A	***	15.42		14.87		13.9		NM		14.21	
RWB-6	715.80	NM		19.59	696.21	18.65	697.15	19.02	696.78	19.00	696.80
RWB-16	715.30	18.92	696.38	NM		17.78	697.52	18.29	697.01	18.31	696.99
RWB-21	717.62	21.96	695.66	NM		20.82	696.8	21.14	696.48	21.10	696.52
RWB-22	715.11	NM		22.13	692.98	18.01	697.1	18.43	696.68	18.44	696.67
RWE-3	714.50	NM		19.92	694.58	19.21	695.29	19.52	694.98	19.51	694.99

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

NM = NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

PAGE 6 OF 6

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

23-Jul-89
WLM3A

WELL NO.	(1) REFERENCE ELEVATION							06/07/89		02/21/89	
		WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	WATER ELEVATION	WATER DEPTH	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		17.03	698.01
86-6	***							NM		NM	
86-7	714.15							NM		NM	
86-8	714.62 *							NM		NM	
86-9	715.25 *							NM		18.07	697.18
86-10	715.06							17.60	697.46	NM	
86-11	715.14 *							NM		NM	
86-12	715.71 *							NM		NM	
86-13	714.75							NM		NM	
86-14	715.05 *							NM		18.12	696.93
86-15	715.06 *							17.76	697.30	NM	
86-18	714.84							NM		NM	
86-19	714.33							NM		NM	
86-20	713.07 *							NM		NM	
86-21	713.76 *							NM		NM	
7-25	720.47							20.46	700.01	21.25	699.22
7-50	719.83							NM		NM	
8-27	715.45 *							NM		NM	
9-33	716.69							18.87	697.82	18.35	698.34
OW-1	***							NM		NM	
OW-2	***							NM		NM	
S4-A	***							14.93		16.29	
RWB-6	715.80							20.70	695.10	19.68	696.12
RWB-16	715.30							18.45	696.85	18.93	696.37
RWB-21	717.62							21.20	696.42	21.67	695.95
RWB-22	715.11							18.71	696.40	19.35	695.76
RWE-3	714.50							19.70	694.80	19.66	694.84

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

NM = NOT MEASURED THIS DATE

WELL 86-1 WAS DESTROYED

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

11-Jul-89
WLM2

WELL NO.	(1) REFERENCE ELEVATION	12/06-07/88 WATER DEPTH	12/06-07/88 WATER ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/03/88 WATER DEPTH	02/03/88 WATER ELEVATION	01/02/88 WATER DEPTH	01/02/88 WATER ELEVATION
D-1	720.73 *	NM		NM		NM		NM		NM	
D-1A	721.69 *	NM		NM		NM		NM		NM	
D-3	714.51	18.88	695.63	18.67	695.84	17.52	696.99	18.06	696.45	18.06	696.45
D-4	717.85	22.12	695.73	21.27	696.58	20.26	697.59	20.70	697.15	20.70	697.15
D-5	712.14	16.01	696.13	15.90	696.24	14.94	697.20	15.30	696.84	15.31	696.83
D-7	713.83	17.15	696.68	17.04	696.79	16.00	697.83	16.40	697.43	16.42	697.41
D-8	717.04	21.61	695.43	20.11	696.93	19.01	698.03	19.48	697.56	19.50	697.54
D-9	717.00 *	NM		NM		NM		NM		NM	
D-10	716.53	18.65	697.88	18.76	697.77	17.12	699.41	17.98	698.55	18.00	698.53
D-11	723.47	20.07	703.40	20.83	702.64	20.14	703.33	20.52	702.95	20.53	702.94
D-12	710.29	22.90	687.39	23.93	686.36	21.47	688.82	21.99	688.30	22.30	687.99
I-1	711.52	16.85	694.67	17.34	694.18	16.38	695.14	16.69	694.83	16.76	694.76
1-D	714.17	17.35	696.82	NM		15.84	698.33	16.35	697.82	16.32	697.85
2-D	715.36	19.11	696.25	18.35	697.01	17.23	698.13	17.74	697.60	17.75	697.61
3-D	713.29	NM		19.40	693.89	17.81	695.48	18.20	695.09	18.22	695.07
4-D	712.10	NM		23.56	688.54	22.01	690.09	22.48	689.62	22.56	689.54
5-D	712.01	NM		25.05	686.96	22.81	689.20	23.10	688.91	23.53	688.48
6-D	711.41	23.96	687.45	24.95	686.46	22.79	688.62	23.19	688.22	23.39	688.02
7-D	714.85	21.98	692.87	18.63	696.22	17.55	697.30	17.84	697.01	17.85	697.00
8-D	714.56	20.78	693.78	17.88	696.68	16.80	697.76	17.17	697.39	17.17	697.39

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

NM = NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

1.0 INTRODUCTION AND BACKGROUND

This report presents the results of the 2nd Quarter, June 1989 groundwater sampling and groundwater elevation measurements performed at the Allied-Signal Corporation, South Bend Complex, South Bend, Indiana (see Figure 1). These results are a continuation of the groundwater monitoring program initiated by Allied in 1981.

2.0 GROUNDWATER MONITORING PROGRAM

Included in the monitoring program are twenty-five (25) monitor wells, five (5) naptha recovery wells and twenty-one (21) VOC recovery wells. (see Table 1). The locations of the wells are shown in Figures 2 through 5.

3.0 SAMPLING METHODOLOGY

3.1 PURGING

All monitor wells were purged a total of three well volumes before samples were collected. The wells were purged using a centrifugal pump connected to the water outlet side of the dedicated bladder pumps. The dedicated bladder pumps were used to purge the low yielding wells. The naptha recovery well taps were allowed to run approximately five minutes before samples were collected. The VOC recovery wells were discharging and did not require additional purging, but were allowed to discharge through the sample tap for 5 minutes prior to sample collection.

3.3.2 Water Level Measurements

Water elevations were measured from thirty-seven (37) groundwater wells in and around the Bendix Complex (see Figure 2). Elevations were measured to the nearest 0.01 ft using an electronic water level indicator manufactured by Solinst Inc., Ontario, Canada. 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 levels and flow rates were measured in the VOC Recovery System Wells.

Water level measurements and the calculated water elevations are presented in Table 2.

Flow and drawdown data from the VOC Recovery System are presented in Table 2A.

4.0 QA/QC

As part of our quality assurance procedures, duplicate samples were taken at monitor wells S-1, S-22 and S-26 and S4-A. Four (4) field blanks were prepared and submitted for analysis along with the other samples.

5.0 ANALYTICAL RESULTS

The analytical results of the June 1989 sampling are presented in Tables 3, 4, and 5. Tables 3 and 4 present the organic results of monitor wells and naptha recovery wells. Table 5 presents the organic analyses of the VOC recovery wells.

Table 3, monitor well organic results, indicates that total VOC is decreasing in the shallow wells nearest the VOC Recovery System (S-4A, S-16, 86-15, S-9, and S-17). No shallow monitor well detected vinyl chloride this episode. The deep monitor well VOC concentrations have remained relatively consistant or have increased slightly in total VOC with the exception of Monitor Well D-7 which showed a significant decrease in total VOC throughout 1988 and 1989.

Table 4 shows that total VOC in the naptha recovery wells furthest from the geographic center of the naptha recovery area (RWB-16 and RWB-21) appear to be decreasing in total VOC while total VOC has increased slightly in the three wells nearest the center (E-3, RWB-22, and RWB-6).

Table 5 shows that the shallow VOC recovery wells have indicated a slight increase in total VOC since their initial installation. The only exception, RW 1-7, has been steadily decreasing in total VOC while TCE concentrations have increased. Table 5 also shows a slight increase in total VOC in the deep VOC recovery well RW-13. While a slight increase in total VOC was detected, no vinyl chloride was detected this episode.

The field blank analysis showed that all compounds measured were below laboratory detection limits. The duplicate sample analysis showed that all parameters were within acceptable ranges for comparability. The laboratory results, QA/QC data, and sample data sheets are maintained in TAGA files and are available upon request.

11-Jul-89
WLM1

WELL NO.	(1) REFERENCE ELEVATION	12/06-07/88 WATER DEPTH	12/06-07/88 WATER ELEVATION	09/21-25/88 WATER DEPTH	09/21-25/88 WATER ELEVATION	05/17/88 WATER DEPTH	05/17/88 WATER ELEVATION	02/03/88 WATER DEPTH	02/03/88 WATER ELEVATION	01/02/88 WATER DEPTH	01/02/88 WATER ELEVATION
S-1	728.09	NM		NM		NM		NM		NM	
S-2	721.82	NM		NM		20.38	701.44	20.60	701.22	20.62	701.20
S-3	716.65	20.15	696.50	19.69	696.96	19.40	697.25	19.92	696.73	19.95	696.70
S-5	712.83	14.75	698.08	10.30	702.53	13.77	699.06	14.19	698.64	14.18	698.65
S-6	713.08	NM		NM		NM		NM		NM	
S-7	716.16	17.75	698.41	17.89	698.27	17.43	698.73	17.70	698.46	17.72	698.44
S-8	714.65	18.61	696.04	18.36	696.29	17.93	696.72	18.39	696.26	18.39	696.26
S-9	714.17	17.83	696.34	17.35	696.82	16.90	697.27	17.28	696.89	17.28	696.89
S-10	715.40 *	NM		NM		NM		NM		NM	
S-11	715.64 *	NM		NM		NM		NM		NM	
S-12	721.45	19.93	701.52	20.34	701.11	19.87	701.58	20.12	701.33	20.15	701.30
S-13	721.10 *	NM		NM		NM		NM		NM	
S-14	711.86	15.83	696.03	15.55	696.31	15.03	696.83	15.40	696.46	15.42	696.44
S-15	714.37	18.62	695.75	18.35	696.02	17.83	696.54	18.28	696.09	18.27	696.10
S-16	716.18	19.72	696.46	18.84	697.34	17.88	698.30	18.61	697.57	18.62	697.56
S-17	716.97	19.69	697.28	NM		18.11	698.86	NM		NM	
S-18	715.41	17.47	697.94	17.43	697.98	15.90	699.51	16.95	698.46	17.00	698.41
S-19	723.38	19.98	703.40	20.74	702.64	20.09	703.29	20.44	702.94	20.43	702.95
S-20	709.97	14.57	695.40	14.85	695.12	14.83	695.14	15.08	694.89	15.09	694.88
S-21	711.33	NM		NM		NM		NM		NM	
S-22	709.33	NM		NM		NM		NM		NM	
S-23	710.24	16.18	694.06	16.04	694.20	15.41	694.83	15.90	694.34	15.95	694.29
S-24	713.03	NM		NM		15.12	697.91	NM		NM	
S-25	710.60	14.93	695.67	15.31	695.29	14.94	695.66	15.30	695.30	15.30	695.30
S-26	714.50	18.16	696.34	17.42	697.08	16.82	697.68	17.53	696.97	17.52	696.98
S-27	715.40	19.13	696.27	18.92	696.48	18.40	697.00	18.92	696.48	18.87	696.53

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

NM = NOT MEASURED THIS DATE

TABLE 2

WATER LEVEL MEASUREMENTS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

TABLE 2A

WATER LEVEL MEASUREMENTS
VOC RECOVERY SYSTEM
PROJECT # ALCMPX SBIN 022
JUNE 11, 1989

VOC WELL #	WATER LEVEL (FT)	CONTROL WATER LEVEL (FT)	FLOW GPM	DRAWDOWN (FT)
1	23.35	13.30		10.05
2	26.00	13.40		12.60
3	17.00	14.15		2.85
3A	17.95	14.60		3.35
4	21.02	14.90		6.12
5	19.50	15.55		3.95
6	18.70	15.00		3.20
7	18.00+	15.70	25*	2.30+
8	20.45	15.60	12**	4.35
9A	19.10	15.80		3.30
9	20.45	16.10		4.35
10	16.65	15.50		1.15
11	23.90	15.15		8.75
12	19.80	14.50		5.30
13	25.51	18.60	54	6.91
14	16.77	15.80		0.91
15	16.90	15.20		1.70
16	16.77	14.50		2.27
17	16.95	15.40	0	1.55
18			41***	
19				
S-17	20.54	18.92		1.62

* = RW 1-7

** = RW 8-12

*** = RW 18 & 19

t a gleason
associates

1DOCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
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	ND	12.0	ND	ND	ND	ND	
	06/04/87	22	AQUA		ND	ND	ND	ND	ND	ND	29.0	ND	ND	ND	ND	
	01/14/88	13	AQUA		ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	
	02/09/88	16	AQUA		ND	ND	ND	ND	ND	ND	11.0	ND	ND	ND	ND	
	05/18/88	11	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9/23/88	11	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/11/88	33	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/24/89	23	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/89	7	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

3.2 SAMPLE COLLECTION

All monitor wells were sampled using a dedicated bladder pump. Samples from these wells were collected from the tap on the bladder pump outlet pipe. Wells S-16, 86-10, and 86-15 were sampled with a dedicated PVC bailer which was carefully lowered into and withdrawn from the well to avoid aeration of the samples. Samples from the naptha recovery wells were collected directly from a tap. Samples from the VOC recovery wells were collected at five locations along the recovery system. Each of the five points were representative of the recovery wells as listed on Table 1. The samples were collected from a sample tap on the outlet side of the recovery pumps.

3.3 SAMPLE HANDLING AND FIELD MEASURMENTS

3.3.1 Water Quality

Samples were measured in the field for pH, specific conductivity, and temperature immediately upon collection. All field measurement data were recorded on the sample data sheets. All samples were placed in insulated coolers with ice packs and shipped to Aqua Tech Environmental Laboratories, Inc., under the appropriate chain-of-custody. Samples were analyzed for volatile organic compounds (VOC) using method 624.

2DOCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
2-D	12/18/86	2	AQUA		ND	20.4	ND		ND	ND	ND	ND	ND	ND	ND	
	06/05/87	11	AQUA		ND	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/03/87	19	AQUA		ND	24.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	01/15/88	34	AQUA		ND	34.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/09/88	11	AQUA		ND	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/19/88	24	AQUA		ND	34.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/24/88	20	AQUA		ND	26.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/10/88	27	AQUA			22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/10/88	28	AQUA			21.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/24/89	19	AQUA		ND	24.8	ND	13.4	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/89	16	AQUA	624	ND	26.6	ND	22.4	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

5DOCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	5	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
5-D	12/18/86	4	AQUA		ND	ND	ND	10.0	ND	ND	ND	ND	ND	ND	ND	
	12/18/86	5	AQUA		ND	ND	ND	10.0	ND	ND	ND	ND	ND	ND	ND	
	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	
	02/09/88	21	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7**	
	03/14/88	2	AQUA		ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	14	AQUA		ND	ND	ND	10.4	ND	ND	ND	ND	ND	ND	ND	
	09/23/88	15	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	9	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/25/89	31	AQUA		ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/89	23	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATED ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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

**NOTE: TOLUENE WAS NOT DETECTED IN 6 PREVIOUS SAMPLINGS. A RESAMPLING ON 3/14/88 DETECTED NO TOLUENE. BASED ON PREVIOUS DATA & THE RETEST, WE CONCLUDED THAT THE 2/9/88 SAMPLING DATA IS AN ANOMOLY.

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 3 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

8DOCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
8-D	07/10/87	5	AQUA		ND	ND	ND	720.0	27.0	ND	ND	ND	ND	ND	ND	
	09/04/87	30	AQUA		ND	ND	ND	900.0	ND	ND	ND	ND	ND	ND	ND	
	01/15/88	28	AQUA		ND	ND	ND	840.0	ND	ND	ND	ND	ND	ND	ND	
	01/15/88	29	AQUA		ND	ND	ND	855.0	ND	ND	ND	ND	ND	ND	ND	
	02/09/88	13	AQUA		ND	ND	ND	770.0	ND	ND	ND	ND	ND	ND	ND	
	02/09/88	14	AQUA		ND	ND	ND	630.0	ND	ND	ND	ND	ND	ND	ND	
	05/19/88	23	AQUA		ND	ND	ND	1600.0	24.0	ND	ND	ND	67.9	ND	ND	
	09/24/88	19	AQUA		ND	ND	ND	420.0	32.0	20.0	ND	ND	ND	ND	ND	
	12/10/88	32	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/25/89	35	AQUA		ND	ND	ND	570.0	33.1	ND	ND	ND	24.5	ND	ND	ND
	06/08/89	11	AQUA	624	ND	ND	ND	600.0	37.2	ND	ND	ND	18.3	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 5 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

861OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
86-10	08/02/86	7	AQUA		ND	ND	ND	ND	85.4	ND	308.0	ND	ND	ND	ND	ND
	10/10/86	18	AQUA		5.7	ND	ND	ND	130.0	99.7	440.0	ND	ND	ND	ND	ND
	02/24/89	22	AQUA		ND	ND	ND	100.0	41.0	ND	340.0	ND	19.8	ND	ND	ND
	08/08/89	10	AQUA	624	ND	ND	ND	67.3	35.3	ND	380.0	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 7 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

933OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
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	
	02/10/88	31	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	3	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/22/88	3	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	15	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/22/89	4	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/89	35	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 6 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

7DOCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
7-D	07/10/87	3	AQUA		ND	ND	ND	250.0	17.0	ND	19.0	ND	ND	ND	ND	
	07/10/87	4	AQUA		ND	ND	ND	250.0	16.0	ND	17.0	ND	ND	ND	ND	
	09/04/87	29	AQUA		ND	ND	ND	220.0	ND	ND	20.0	14.0	ND	ND	ND	
	01/15/88	30	AQUA		ND	ND	ND	142.0	10.0	ND	17.0	ND	ND	ND	ND	
	02/09/88	15	AQUA		ND	ND	ND	148.0	20.0	ND	14.0	ND	ND	ND	ND	
	05/19/88	22	AQUA		ND	ND	ND	210.0	ND	ND	16.6	ND	ND	ND	ND	
	09/24/88	18	AQUA		ND	ND	ND	52.0	7.6	ND	9.2	ND	ND	ND	ND	
	12/10/88	31	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/25/89	34	AQUA		ND	ND	ND	106.0	7.0	ND	ND	ND	12.6	ND	ND	ND
	06/08/89	13	AQUA	624	ND	ND	ND	110.0	5.7	ND	ND	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

8615CMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
88-15	08/02/86	4	AQUA		ND	ND	ND	ND	48.1	64.9	1620.0	ND	ND	ND	ND	ND
	10/10/86	13	AQUA		ND	ND	ND	ND	33.7	38.0	1280.0	ND	ND	ND	ND	ND
	02/24/89	24	AQUA		ND	ND	ND	ND	9.2	9.1	400.0	ND	ND	ND	ND	ND
	08/08/89	9	AQUA	624	ND	ND	ND	18.2	33.5	7.6	600.0	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT. SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 8 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

D4OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
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	
	02/08/88	7	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/08/88	8	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	10	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/22/88	10	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	3	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/23/89	14	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140.0
	06/10/89	34	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 9 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

D7OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
D-7	10/01/86	10	AQUA		ND	689.0	ND		20.2	ND	ND	ND	ND	ND	ND	
	11/06/86	26	AQUA		ND	437.0	ND		15.7	ND	ND	ND	ND	ND	ND	
	01/07/87	9	AQUA		ND	902.0	ND	40.0	ND	ND	ND	ND	ND	ND	ND	
	02/12/87	14	AQUA		ND	812.0	ND		30.0	ND	ND	ND	ND	ND	ND	
	06/05/87	9	AQUA		ND	890.0	ND	33.0	ND	ND	ND	ND	ND	ND	ND	
	06/05/87	10	AQUA		ND	900.0	ND	31.0	ND	ND	ND	ND	ND	ND	ND	
	09/03/87	17	AQUA		ND	800.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/03/87	18	AQUA		ND	750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	01/14/88	14	AQUA		ND	710.0	ND	30.0	ND	ND	ND	ND	ND	ND	ND	
	02/08/88	10	AQUA		ND	680.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	20	AQUA		ND	1165.0	ND	48.2	ND	ND	ND	ND	19.1	ND	ND	
	09/24/88	29	AQUA		ND	780.0	ND	26.0	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	16	AQUA		ND	483.0	ND	22.1	ND	ND	ND	ND	10.0	ND	ND	
	12/09/88	17	AQUA		ND	435.0	ND	21.9	ND	ND	ND	ND	10.0	ND	ND	
	02/24/89	21	AQUA		ND	380.0	ND	16.4	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/89	36	AQUA	624	ND	310.0	ND	15.5	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 10 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S4AOCMW
23-Jul-89

WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
S-4A	06/05/87	22	AQUA		1100.0	ND	200.0	820.0	110.0	200.0	120.0	ND	ND	ND	ND	
	09/04/87	27	AQUA		1100.0	ND	80.0	2000.0	170.0	ND	17.0	ND	790.0	ND	ND	
	01/14/88	25	AQUA		1600.0	ND	180.0	1800.0	112.0	ND	ND	ND	700.0	ND	ND	
	02/08/88	2	AQUA		1500.0	ND	165.0	1770.0	160.0	ND	ND	ND	900.0	ND	ND	
	05/18/88	7	AQUA		1700.0	ND	165.0	2800.0	ND	ND	ND	ND	437.0	ND	ND	
	05/18/88	8	AQUA		1640.0	ND	200.0	2750.0	ND	ND	ND	ND	373.0	ND	ND	
	09/22/88	7	AQUA		1810.0	7.0	292.0	940.0	154.0	11.0	40.0	ND	1570.0	ND	ND	
	09/22/88	8	AQUA		1820.0	7.3	281.0	920.0	155.0	10.0	39.0	ND	1620.0	ND	ND	
	12/10/88	26	AQUA		970.0	ND	114.0	1600.0	135.0	ND	23.7	ND	633.0	ND	ND	
	02/27/89	43	AQUA		700.0	ND	110.0	1400.0	150.0	8.7	17.2	ND	270.0	ND	ND	ND
	06/10/89	37	AQUA	624	660.0	ND	120.0	1080.0	190.0	ND	ND	ND	ND	ND	ND	ND
	06/10/89	38	AQUA	624	620.0	ND	110.0	1040.0	190.0	ND	ND	ND	ND	ND	ND	ND

LABORATORY ANALYTICAL PARAMETERS

NOTES

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 12 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S1OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-1	11/05/86	1*	AQUA		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	
	12/17/86	18+	AQUA		ND	ND	ND		ND	ND	ND	ND	ND	ND	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	
	02/08/88	1	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	1	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/22/88	1	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	12	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/22/89	1	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/22/89	2	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/89	14	AQUA	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/89	15	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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

* = BIS (2-ETHYLHEXYL) PHTHALATE REPORTED AS 15.6 UG/L

+ = BIS (2-ETHYLHEXYL) PHTHALATE REPORTED AS 7.0 UG/L

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 11 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S21OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-21	11/06/86	17	AQUA		ND	ND	ND		116.0	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	5.0	30.0	ND	ND	ND	ND	ND	ND	
	06/05/87	18	AQUA		ND	ND	ND	5.6	34.0	ND	ND	ND	ND	ND	ND	
	09/03/87	14	AQUA		ND	ND	ND	50.0	13.0	ND	ND	ND	ND	ND	ND	
	01/14/88	11	AQUA		ND	ND	ND	53.2	20.4	ND	ND	ND	ND	ND	ND	
	02/09/88	22	AQUA		ND	ND	ND	60.0	33.0	ND	ND	ND	ND	ND	ND	
	05/18/88	13	AQUA		ND	ND	ND	137.0	11.1	ND	ND	ND	ND	ND	ND	
	09/23/88	13	AQUA		ND	ND	ND	58.0	49.0	ND	ND	ND	ND	ND	ND	
	12/08/88	10	AQUA		ND	ND	ND	66.0	32.8	ND	ND	ND	ND	ND	ND	
	02/23/89	10	AQUA		ND	ND	ND	64.1	32.7	ND	ND	ND	ND	ND	ND	ND
	06/09/89	24	AQUA	624	ND	ND	ND	48.3	24.0	ND	ND	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 19 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S15OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-15	11/06/86	27*	AQUA		ND	1.2	ND		1.5	ND	ND	ND	ND	ND	ND	
	12/18/86	22	AQUA		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	
	06/05/87	6	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/03/87	6	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	76.0	ND	ND	
	06/03/87	5	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	01/14/88	24	AQUA		22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/08/88	4	AQUA		19.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	6	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/23/88	6	AQUA		5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/10/88	24	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	10.9	ND	ND	121.0
	02/23/89	15	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/89	31	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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

* = BIS (2-ETHYLHEXYL) PHTHALATE REPORTED AS 8.5 UG/L

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 15 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S200CMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
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	ND	
	08/05/87	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	
	02/09/88	19	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/19/88	19	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/25/88	23	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/25/88	24	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	5	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/22/89	9	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/89	22	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 18 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S17OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-17	11/16/88	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	
	02/12/87	3	AQUA		ND	ND	ND		7.9	ND	116.0	ND	ND	ND	ND	
	06/05/87	15	AQUA		ND	ND	ND	5.6	ND	ND	80.0	ND	ND	ND	ND	
	09/03/87	20	AQUA		ND	ND	ND	ND	ND	ND	86.0	ND	ND	ND	ND	
	01/14/88	22	AQUA		ND	ND	ND	8.8	ND	ND	68.0	ND	ND	ND	ND	
	02/10/88	33	AQUA		ND	ND	ND	5.8	ND	ND	75.0	ND	ND	ND	ND	
	05/19/88	26	AQUA		ND	ND	ND	ND	ND	ND	60.7	ND	ND	ND	ND	
	09/23/88	12	AQUA		ND	ND	ND	ND	ND	ND	78.0	ND	ND	ND	ND	
	02/23/89	17	AQUA		ND	ND	ND	ND	ND	ND	75.9	ND	ND	ND	ND	ND
	06/09/89	27	AQUA	624	ND	ND	ND	ND	ND	ND	65.7	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 17 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S22OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-22	11/06/86	18	AQUA		ND	ND	ND		164.0	ND	ND	ND	ND	ND	ND	
	01/07/87	6	AQUA		ND	ND	ND	50.0	75.8	ND	ND	ND	ND	ND	ND	
	01/07/87	7	AQUA		ND	ND	ND	50.0	73.6	ND	ND	ND	ND	ND	ND	
	02/12/87	6	AQUA		ND	ND	ND		132.0	ND	ND	ND	ND	ND	ND	
	02/12/87	7	AQUA		ND	ND	ND		109.0	ND	ND	ND	ND	ND	ND	
	06/05/87	20	AQUA		ND	ND	ND	41.0	69.0	ND	ND	ND	ND	ND	ND	
	09/03/87	12	AQUA		ND	ND	ND	57.0	41.0	ND	ND	ND	ND	ND	ND	
	01/13/88	8	AQUA		ND	ND	ND	41.5	ND	ND	ND	ND	ND	ND	ND	
	02/09/88	23	AQUA		ND	ND	ND	48.0	61.0	ND	ND	ND	ND	ND	ND	
	05/18/88	15	AQUA		ND	ND	ND	77.5	27.7	ND	ND	ND	ND	ND	ND	
	05/18/88	16	AQUA		ND	ND	ND	82.0	25.2	ND	ND	ND	ND	ND	ND	
	09/25/88	22	AQUA		ND	ND	ND	21.0	45.0	ND	ND	ND	ND	ND	ND	
	02/22/89	6	AQUA		ND	ND	ND	43.1	38.8	ND	ND	ND	ND	ND	ND	
	02/22/89	7	AQUA		ND	ND	ND	35.7	37.5	ND	ND	ND	ND	ND	ND	ND
	06/09/89	19	AQUA	624	ND	ND	ND	33.0	40.7	ND	ND	ND	ND	ND	ND	ND
	06/09/89	20	AQUA	624	ND	ND	ND	37.9	42.1	ND	ND	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 20 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S14OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-14	11/06/86	21	AQUA		ND	120.0	ND		42.2	ND	3.6	ND	ND	ND	ND	
	02/12/87	15	AQUA		77.0	217.0	20.0	ND	ND	ND	ND	ND	ND	ND	ND	
	06/05/87	5	AQUA		58.0	180.0	ND	150.0	12.0	ND	8.5	ND	ND	ND	ND	
	09/03/87	7	AQUA		ND	140.0	ND	120.0	ND	ND	8.0	ND	ND	ND	ND	
	01/14/88	23	AQUA		113.0	108.0	15.0	240.0	ND	21.0	14.0	ND	55.0	ND	ND	
	02/08/88	5	AQUA		120.0	115.0	ND	250.0	16.0	15.0	11.0	ND	ND	ND	ND	
	05/18/88	5	AQUA		135.0	59.3	8.9	396.0	12.3	12.7	10.1	ND	ND	ND	ND	
	09/23/88	5	AQUA		62.0	55.0	9.3	98.0	10.9	ND	ND	ND	ND	ND	ND	
	12/10/88	23	AQUA		30.5	43.1	ND	91.0	6.6	6.5	11.5	ND	ND	ND	ND	
	02/23/89	16	AQUA		170.0	ND	12.6	155.0	8.6	17.9	16.1	ND	15.1	ND	ND	ND
	06/10/89	32	AQUA	624	170.0	30.5	25.4	180.0	18.1	44.7	15.2	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS

MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S16OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-16	11/16/86	11*	AQUA		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	
	12/18/86	19	AQUA		ND	ND	ND		ND	22.5	70.1	ND	ND	ND	ND	
	12/18/86	29	AQUA		ND	ND	ND		ND	21.5	63.8	ND	ND	ND	ND	
	02/12/87	11	AQUA		ND	ND	ND		4.4	23.3	95.0	ND	ND	ND	ND	
	06/05/87	12	AQUA		ND	ND	ND	5.6	5.6	18.0	57.0	ND	ND	ND	ND	
	09/04/87	28	AQUA		ND	ND	ND	ND	ND	ND	65.0	ND	ND	ND	ND	
	01/15/88	27	AQUA		ND	ND	ND	ND	ND	15.0	58.0	ND	ND	ND	ND	
	02/09/88	12	AQUA		ND	ND	ND	ND	ND	13.5	53.0	ND	ND	ND	ND	
	05/19/88	25	AQUA		ND	ND	ND	6.8	ND	10.9	52.0	ND	ND	ND	ND	
	09/23/88	14	AQUA		ND	ND	ND	ND	ND	20.0	76.0	ND	ND	ND	ND	
	12/10/88	29	AQUA		ND	ND	ND	6.2	ND	18.7	62.1	ND	ND	ND	ND	
	02/24/89	20	AQUA		ND	ND	ND	6.1	ND	15.7	60.4	ND	ND	ND	ND	ND
	06/08/89	12	AQUA	624	ND	ND	ND	9.2	9.4	18.4	66.7	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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

* = BIS (2- ETHYLHEXL) PHTHALATE REPORTED AS 6.1 UG/L

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 16 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S9OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-9	10/01/86	12	AQUA		ND	81.3	ND		2.2	ND	ND	ND	ND	ND	ND	
	11/05/86	4*	AQUA		ND	29.0	ND		2.3	ND	ND	ND	ND	ND	ND	
	12/18/86	20	AQUA		ND	210.0	ND	15.0	ND	ND	ND	ND	ND	ND	ND	
	12/18/86	30	AQUA		ND	43.3	ND		ND	ND	ND	ND	ND	ND	ND	
	02/12/87	12	AQUA		ND	313.0	ND		23.0	ND	ND	ND	ND	ND	ND	
	06/05/87	7	AQUA		ND	460.0	ND	17.0	ND	ND	ND	ND	ND	ND	ND	
	09/03/87	9	AQUA		ND	170.0	ND	13.0	ND	ND	ND	ND	ND	ND	ND	
	01/13/88	6	AQUA		ND	810.0	ND	43.0	ND	ND	ND	ND	ND	ND	ND	
	02/08/88	9	AQUA		ND	440.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	9	AQUA		ND	440.0	ND	47.6	ND	ND	ND	ND	ND	ND	ND	
	09/23/88	9	AQUA		ND	240.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	4	AQUA		ND	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	2/23/89	13	AQUA		ND	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/89	33	AQUA	624	ND	6.7	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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

* = BIS (2-ETHLHEXY) PHTHALATE REPORTED AS 6.6 UG/L

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 13 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S23OCMW
22-Jul-89

					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-23	11/06/86	19*	AQUA		ND	ND	ND		4.5	ND	ND	ND	ND	ND	ND	
	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	
	02/09/88	24	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	17	AQUA		ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	
	09/24/88	17	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	7	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/22/89	5	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/89	17	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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

* = BIS (2-ETHYLHEXYL) PHTHALATE REPORTED AS 3.4 UG/L

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 21 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S24OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-24	07/10/87	2	AQUA		ND	ND	ND	170.0	145.0	ND	150.0	ND	ND	ND	ND	
	09/04/87	25	AQUA		ND	ND	ND	150.0	140.0	ND	170.0	ND	ND	ND	ND	
	05/19/88	28	AQUA		ND	ND	ND	277.0	230.0	ND	105.0	ND	ND	ND	ND	
	09/25/88	26	AQUA		ND	ND	ND	75.0	124.0	ND	85.0	ND	ND	ND	ND	
	12/08/88	1	AQUA		ND	ND	ND	119.0	129.0	ND	66.0	ND	ND	ND	ND	
	02/25/89	33	AQUA		ND	ND	ND	107.0	146.0	ND	58.6	ND	ND	ND	ND	ND
	08/09/89	26	AQUA	624	ND	ND	ND	92.7	110.0	ND	52.1	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 22 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S26OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1 TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-28	07/10/87	7	AQUA		ND	ND	ND	ND	ND	ND	16.0	ND	ND	ND	ND	
	09/03/87	16	AQUA		ND	ND	ND	ND	ND	ND	14.0	ND	ND	ND	ND	
	01/15/88	31	AQUA		ND	ND	ND	ND	ND	ND	17.0	ND	ND	ND	ND	
	02/09/88	18	AQUA		ND	ND	ND	ND	ND	ND	18.0	ND	ND	ND	ND	
	05/19/88	29	AQUA		ND	ND	ND	5.1	ND	ND	15.6	ND	ND	ND	ND	
	09/24/88	21	AQUA		ND	ND	ND	ND	ND	ND	17.0	ND	ND	ND	ND	
	02/23/89	18	AQUA		ND	ND	ND	ND	ND	ND	20.1	ND	ND	ND	ND	ND
	06/10/89	29	AQUA	624	ND	ND	ND	ND	ND	ND	17.8	ND	ND	ND	ND	ND
	06/10/89	30	AQUA	624	ND	ND	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 24 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S27OCMW 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
S-27	07/10/87	8	AQUA		ND	ND	ND	9.4	10.0		90.0	ND	ND	ND	ND	
	09/04/87	26	AQUA		ND	ND	ND	7.5	8.0	ND	100.0	ND	ND	ND	ND	
	01/15/88	33	AQUA		ND	ND	ND	9.8	19.0	ND	96.0	ND	ND	ND	ND	
	02/10/88	32	AQUA		ND	ND	ND	12.0	16.0	ND	81.0	ND	ND	ND	ND	
	05/19/88	27	AQUA		ND	ND	ND	24.5	18.4	ND	74.6	ND	ND	ND	ND	
	09/25/88	27	AQUA		ND	ND	ND	11.0	26.0	ND	85.0	ND	ND	ND	ND	
	12/08/88	2	AQUA		ND	ND	ND	13.3	21.0	ND	80.0	ND	ND	ND	ND	
	02/23/89	12	AQUA		ND	ND	ND	11.1	17.0	ND	97.1	ND	ND	ND	ND	ND
	06/09/89	25	AQUA	624	ND	ND	ND	10.6	12.3	ND	86.0	ND	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 25 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S25OCMW 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
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	
	02/09/88	20	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/18/88	18	AQUA		ND	ND	ND	7.3	ND	ND	ND	ND	ND	ND	ND	
	09/25/88	25	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/08/88	8	AQUA		25.2	38.0	ND	79.0	5.9	6.5	9.6	ND	ND	ND	ND	
	02/22/89	8	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/25/89	32	AQUA		ND	ND	ND	ND	ND	ND	MD	ND	ND	ND	ND	ND
	06/09/89	21	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 23 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

FBOCMW-1 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1 TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000	
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD												
FIELD 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	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	ND	15.0	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	ND	21.0	ND	7.7**
	02/10/88	34	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	16.0	ND	5.6**
	02/10/88	35	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND	5.0**
	05/18/88	21	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/19/88	36	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09/25/88	28	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/10/88	30	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/11/88	35	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	18.4	ND	6.2**
	02/22/89	3	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	33.7	ND	6.7**
	02/23/89	11	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	33.5	ND	7.2**
	02/26/89	36	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/07/89	1	AQUA	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/89	8	AQUA	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/89	18	AQUA	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/89	28	AQUA	624	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 VOC; DICHLOROBROMOMETHANE

TABLE 3

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 26 OF 26
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED-SIGNAL CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 020

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RWE3OR
24-Jul-89

					LABORATORY ANALYTICAL PARAMETERS													
					BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
E-3	03/25/87	7	AQUA		72.0	56.0	ND	10.0	10.0	53.0	ND	23.0	ND	ND	ND		
	01/14/88	19	AQUA		60.0	25.0	ND	9.4	9.2	48.0	ND	19.0	ND	ND	ND		
	02/10/88	29	AQUA		60.0	26.0	ND	11.0	8.5	61.0	70.0	21.0	ND	ND	ND		
	05/19/88	34	AQUA		43.0	26.6	ND	7.8	ND	86.0	ND	15.0	ND	29.5	22.9	18.3	
	09/25/88	32	AQUA		51.0	28.0	ND	5.6	ND	28.0	11.0	9.2	ND	ND	ND	ND	
	12/09/88	21	AQUA		30.4	21.6	ND	ND	ND	64.2	ND	ND	ND	41.7	ND	26.7	489.0
	02/24/89	28	AQUA		42.7	26.8	ND	ND	ND	74.0	7.2	ND	ND	49.5	ND	26.3	520.0
	06/07/89	5	AQUA	624	92.1	18.7	ND	ND	ND	45.8	6.9	7.1	ND	100.0	ND	19.2	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW06OR
24-Jul-89

					LABORATORY ANALYTICAL PARAMETERS													
					BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
RWB-6	03/25/87	10	AQUA		ND	300.0	8.7	50.0	ND	410.0	54.0	65.0	ND	ND	ND		
	03/25/87	11	AQUA		ND	300.0	12.0	50.0	ND	410.0	72.0	69.0	ND	ND	ND		
	09/04/87	33	AQUA		ND	ND	ND	ND	ND	700.0	45.0	ND	290.0	ND	ND		
	01/14/88	16	AQUA		ND	ND	ND	ND	ND	460.0	ND	ND	250.0	ND	ND		
	02/10/88	26	AQUA		ND	ND	ND	ND	ND	550.0	55.0	57.0	230.0	ND	ND		
	05/19/88	31	AQUA		ND	ND	ND	23.4	ND	672.0	41.8	ND	391.0	ND	ND	ND	
	09/25/88	31	AQUA		29.0	8.3	ND	30.0	ND	230.0	35.0	49.0	ND	ND	17.0	ND	
	12/09/88	19	AQUA		25.5	ND	ND	22.6	ND	305.0	27.5	40.0	133.0	ND	ND	23.7	443.0
	02/24/89	26	AQUA		30.3	6.2	ND	22.5	ND	370.0	32.9	35.5	180.0	13.4	ND	30.1	400.0
	06/07/89	3	AQUA	624	30.6	ND	ND	18.7	ND	400.0	40.2	25.3	180.0	ND	ND	28.9	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RWE3OR
24-Jul-89

SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
					LABORATORY ANALYTICAL PARAMETERS												
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
E-3	03/25/87	7	AQUA		72.0	56.0	ND	10.0	10.0	53.0	ND	23.0	ND	ND	ND		
	01/14/88	19	AQUA		60.0	25.0	ND	9.4	9.2	48.0	ND	19.0	ND	ND	ND		
	02/10/88	29	AQUA		60.0	26.0	ND	11.0	8.5	61.0	70.0	21.0	ND	ND	ND		
	05/19/88	34	AQUA		43.0	26.6	ND	7.8	ND	86.0	ND	15.0	ND	29.5	22.9	18.3	
	09/25/88	32	AQUA		51.0	28.0	ND	5.6	ND	28.0	11.0	9.2	ND	ND	ND	ND	
	12/09/88	21	AQUA		30.4	21.6	ND	ND	ND	64.2	ND	ND	ND	41.7	ND	26.7	489.0
	02/24/89	28	AQUA		42.7	26.8	ND	ND	ND	74.0	7.2	ND	ND	49.5	ND	26.3	520.0
	06/07/89	5	AQUA	624	92.1	18.7	ND	ND	ND	45.8	6.9	7.1	ND	100.0	ND	19.2	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 1 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW22OR
24-Jul-89

SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
RWB-22	03/25/87	9	AQUA		184.0	124.0	ND	94.0	ND	ND	60.0	199.0	ND	ND	ND		
	09/04/87	34	AQUA		ND	ND	ND	81.0	ND	ND	ND	160.0	ND	420.0	ND		
	01/14/88	17	AQUA		117.0	48.0	ND	47.0	22.0	36.0	ND	85.0	ND	70.0	ND		
	01/14/88	18	AQUA		122.0	53.0	ND	51.0	24.0	38.0	ND	91.0	ND	90.0	ND		
	02/10/88	27	AQUA		170.0	59.0	ND	73.0	61.0	44.0	14.0	140.0	ND	110.0	ND		
	02/10/88	28	AQUA		151.0	51.0	ND	70.0	50.0	46.0	11.0	140.0	ND	ND	ND		
	05/19/88	32	AQUA		119.0	48.2	ND	103.0	79.5	92.5	ND	133.0	ND	33.6	ND	ND	
	05/19/88	33	AQUA		118.0	47.9	ND	58.8	34.7	113.0	ND	113.0	ND	35.7	29.1	ND	
	09/25/88	30	AQUA		ND	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	20	AQUA		65.6	29.7	ND	41.0	16.4	55.7	12.5	90.0	ND	ND	ND	ND	641.0
	02/24/89	27	AQUA		110.0	29.9	ND	52.9	34.4	62.5	13.6	100.0	ND	52.6	ND	ND	720.0
	06/07/89	4	AQUA	624	150.0	23.4	ND	51.9	42.1	61.2	14.4	97.1	ND	64.8	ND	ND	ND

LABORATORY ANALYTICAL PARAMETERS

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 5 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW21OR 24-Jul-89					LABORATORY ANALYTICAL PARAMETERS													
					BENZENE	1,1-DI-CHLORO ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
RWB-21	03/25/87	12	AQUA		ND	15.0	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		
	02/10/88	25	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	05/19/88	30	AQUA		ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	18	AQUA		ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/24/89	25	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.0
	06/07/89	2	AQUA	624	ND	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW16OR
24-Jul-89

SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
RWB-16	03/25/87	8	AQUA		22.0	16.0	ND	ND	ND	16.0	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	220.0	ND		
	02/10/88	30	AQUA		ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND		
	05/19/88	35	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	149.0	22.5	ND	
	09/25/88	33	AQUA		152.0	ND	ND	ND	ND	ND	6.0	ND	ND	ND	ND	ND	
	12/09/88	22	AQUA		ND	ND	ND	ND	ND	ND	5.4	ND	ND	140.0	ND	ND	15.0
	02/24/89	29	AQUA		100.0	ND	ND	ND	ND	ND	ND	ND	ND	170.0	ND	ND	140.0
	06/07/89	6	AQUA	624	53.0	ND	ND	ND	ND	ND	ND	ND	ND	170.0	ND	ND	ND

LABORATORY ANALYTICAL PARAMETERS

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 3 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW06OR 24-Jul-89					LABORATORY ANALYTICAL PARAMETERS													
					BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
RWB-6	03/25/87	10	AQUA		ND	300.0	8.7	50.0	ND	410.0	54.0	65.0	ND	ND	ND		
	03/25/87	11	AQUA		ND	300.0	12.0	50.0	ND	410.0	72.0	69.0	ND	ND	ND		
	09/04/87	33	AQUA		ND	ND	ND	ND	ND	700.0	45.0	ND	290.0	ND	ND		
	01/14/88	16	AQUA		ND	ND	ND	ND	ND	460.0	ND	ND	250.0	ND	ND		
	02/10/88	26	AQUA		ND	ND	ND	ND	ND	550.0	55.0	57.0	230.0	ND	ND		
	05/19/88	31	AQUA		ND	ND	ND	23.4	ND	672.0	41.8	ND	391.0	ND	ND	ND	
	09/25/88	31	AQUA		29.0	8.3	ND	30.0	ND	230.0	35.0	49.0	ND	ND	17.0	ND	
	12/09/88	19	AQUA		25.5	ND	ND	22.6	ND	305.0	27.5	40.0	133.0	ND	ND	23.7	443.0
	02/24/89	26	AQUA		30.3	6.2	ND	22.5	ND	370.0	32.9	35.5	180.0	13.4	ND	30.1	400.0
	06/07/89	3	AQUA	624	30.6	ND	ND	18.7	ND	400.0	40.2	25.3	180.0	ND	ND	28.9	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW21OR 24-Jul-89					LABORATORY ANALYTICAL PARAMETERS													
					BENZENE	1,1-DI-CHLORO ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
RWB-21	03/25/87	12	AQUA		ND	15.0	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		
	02/10/88	25	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	05/19/88	30	AQUA		ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	18	AQUA		ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/24/89	25	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.0
	06/07/89	2	AQUA	624	ND	ND	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 AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 4 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW16OR 24-Jul-89					LABORATORY ANALYTICAL PARAMETERS												
					BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					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
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD													
RWB-16	03/25/87	8	AQUA		22.0	16.0	ND	ND	ND	16.0	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	220.0	ND		
	02/10/88	30	AQUA		ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND		
	05/19/88	35	AQUA		ND	ND	ND	ND	ND	ND	ND	ND	ND	149.0	22.5	ND	
	09/25/88	33	AQUA		152.0	ND	ND	ND	ND	ND	6.0	ND	ND	ND	ND	ND	
	12/09/88	22	AQUA		ND	ND	ND	ND	ND	ND	5.4	ND	ND	140.0	ND	ND	15.0
	02/24/89	29	AQUA		100.0	ND	ND	ND	ND	ND	ND	ND	ND	170.0	ND	ND	140.0
	06/07/89	6	AQUA	624	53.0	ND	ND	ND	ND	ND	ND	ND	ND	170.0	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 3 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW22OR
24-Jul-89

SAMPLE SOURCE	SAMPLE DATE	SAMPLE #	LAB	METHOD	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	CIS-1,2 DICHLORO-ETHENE	TRANS-1,2 DICHLORO-ETHYLENE	TOTAL XYLENES	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	VINYL CHLORIDE	OTHER VOC
UNITS					UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					5	NPL	7	PROPOSED= 700	PROPOSED= 2000	PROPOSED= 70	PROPOSED= 100	PROPOSED= 10000	5	NPL	5	2	
RWB-22	03/25/87	9	AQUA		184.0	124.0	ND	94.0	ND	ND	60.0	199.0	ND	ND	ND		
	09/04/87	34	AQUA		ND	ND	ND	81.0	ND	ND	ND	160.0	ND	420.0	ND		
	01/14/88	17	AQUA		117.0	48.0	ND	47.0	22.0	36.0	ND	85.0	ND	70.0	ND		
	01/14/88	18	AQUA		122.0	53.0	ND	51.0	24.0	38.0	ND	91.0	ND	90.0	ND		
	02/10/88	27	AQUA		170.0	59.0	ND	73.0	61.0	44.0	14.0	140.0	ND	110.0	ND		
	02/10/88	28	AQUA		151.0	51.0	ND	70.0	50.0	46.0	11.0	140.0	ND	ND	ND		
	05/19/88	32	AQUA		119.0	48.2	ND	103.0	79.5	92.5	ND	133.0	ND	33.8	ND	ND	
	05/19/88	33	AQUA		118.0	47.9	ND	58.8	34.7	113.0	ND	113.0	ND	35.7	29.1	ND	
	09/25/88	30	AQUA		ND	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/09/88	20	AQUA		65.6	29.7	ND	41.0	16.4	55.7	12.5	90.0	ND	ND	ND	ND	641.0
	02/24/89	27	AQUA		110.0	29.9	ND	52.9	34.4	62.5	13.6	100.0	ND	52.6	ND	ND	720.0
	06/07/89	4	AQUA	624	150.0	23.4	ND	51.9	42.1	61.2	14.4	97.1	ND	64.8	ND	ND	ND

LABORATORY ANALYTICAL PARAMETERS

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 4

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 5 OF 5
NAPTHA RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW1-7
22-Jul-89

					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1 TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD											
RW 1-7	10/04/88	NSM-1	AQUA		1450.0	ND	220.0	770.0	87.O	260.0	235.0	ND	136.0	ND	ND
	10/06/88	NSM-5	AQUA		1100.0	ND	180.0	731.0	77.0	273.0	280.0	ND	125.0	ND	ND
	12/11/88	NSM-1	AQUA		422.0	ND	53.6	659.0	45.6	211.0	374.0	ND	102.0	ND	ND
	02/26/89	37	AQUA		394.0	ND	63.4	500.0	53.0	240.0	390.0	ND	80.0	ND	ND
	06/11/89	39	AQUA	624	280.0	ND	58.2	450.0	41.4	200.0	360.0	ND	74.8	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALAUBR SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW8-12 23-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1 TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD											
RW 8-12	10/04/88	NSM-2	AQUA		6.2	ND	7.1	88.0	14.0	ND	215.0	ND	71.0	ND	ND
	10/06/88	NSM-6	AQUA		5.6	ND	5.6	75.0	23.0	ND	187.0	ND	ND	ND	ND
	12/88				WELL NOT SAMPLED THIS EPISODE										
	02/26/89	38	AQUA		ND	49.4	ND	500.0	110.0	ND	26.3	ND	96.8	ND	ND
	06/11/89	40	AQUA	624	ND	31.4	ND	760.0	69.1	ND	280.0	ND	56.7	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL.

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 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALAUBR SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW13 22-Jul-89					LABORATORY ANALYTICAL PARAMETERS											
					1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000
WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD											
RW13	10/06/88	NSM-9	AQUA		ND	27.0	ND	328.0	65.0	ND	ND	ND	84.0	ND	ND
	12/11/88	NSM-5	AQUA		ND	ND	33.4	517.0	81.4	ND	ND	ND	93.3	ND	ND
	02/26/89	39	AQUA		ND	47.1	ND	450.0	110.0	ND	12.0	ND	85.6	ND	ND
	06/11/89	41	AQUA	624	ND	50.1	ND	500.0	120.0	ND	33.0	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 3 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALAUBR SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

RW18-19
22-Jul-89

WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE
					LABORATORY ANALYTICAL PARAMETERS										
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					5	7	PROPOSED= 70	PROPOSED=	100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000
RW18-19	10/04/88	NSM-3	AQUA		ND	ND	ND	19.0	56.0	ND	47.0	ND	ND	ND	ND
	10/06/88	NSM-8	AQUA		ND	ND	ND	19.0	57.0	ND	45.0	ND	ND	ND	ND
	12/11/88	NSM-3	AQUA		ND	ND	ND	126.0	217.0	ND	37.5	ND	ND	ND	ND
	02/26/89	41	AQUA		ND	ND	ND	22.8	38.4	ND	47.4	ND	ND	ND	ND
	02/26/89	42	AQUA		ND	ND	ND	24.7	41.1	ND	53.6	ND	ND	ND	ND
	06/11/89	42	AQUA	624	ND	ND	ND	26.8	49.1	ND	51.4	ND	ND	ND	ND

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL

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 5 OF 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALAUBR SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

S27OCMW
08-Apr-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC 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	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				
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				
	02/10/88	32	AQUA	ND	ND	ND	16	ND	81	ND	ND	ND	ND	12				

NOTES:

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

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

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 41 OF 42
MONITOR WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 011

T A GLEASON ASSOCIATES
Environmental and Geotechnical Services

RW 17
22-Jul-89

WELL NO.	SAMPLE DATE	SAMPLE #	LAB	METHOD	1,1-DI-CHLORO-ETHANE	1,2-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	CIS 1,2 DICHLORO-ETHENE	TRANS 1,2 DICHLORO-ETHYLENE	1,1,1-TRICHLORO-ETHANE	TRI-CHLORO-ETHYLENE	1,2 DI-CHLORO-PROPANE	VINYL CHLORIDE	CHLORO-FORM	TOLUENE
					LABORATORY ANALYTICAL PARAMETERS										
UNITS					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MAXIMUM CONTAMINANT LEVEL (MCL):					NPL	5	7	PROPOSED= 70	PROPOSED= 100	200	5	PROPOSED= 5	2	NPL	PROPOSED= 2000
RW 17	10/04/88	NSM-4	AQUA		ND	ND	ND	66.0	218.0	ND	27.0	ND	ND	ND	ND
	10/06/88	NSM-7	AQUA		ND	ND	ND	63.0	197.0	ND	30.0	ND	ND	ND	ND
	12/11/88	NSM-4	AQUA		ND	ND	ND	ND	26.7	ND	49.1	ND	ND	ND	ND
	02/26/89	40	AQUA		ND	ND	ND	97.5	200.0	ND	54.4	ND	ND	ND	ND
	06/89				WELL NOT SAMPLED THIS EPISODE										

NOTES:

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

ND = NOT DETECTED AT DETECTION LIMIT SPECIFIED BY THE LABORATORY. SEE LAB REPORT.

BLANK SPACE INDICATES ANALYSIS NOT PERFORMED.

NPL = NO U.S. EPA PUBLISHED LEVEL.

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 5
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALAUBR SBIN 022

T A GLEASON ASSOCIATES

Environmental and Geotechnical Services

=BOCMW
)8-Apr-88

WELL NO.	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)										OTHER ORGANIC COMPOUNDS		NOTES:
				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 UG/L	CIS-1,2-DICHLORO-ETHENE UG/L	OUR INTERPRETATIONS OF THESE DATA ARE LIMITED TO OUR WRITTEN REPORTS. ND = NOT DETECTED. SEE LAB REPORT FOR DETECTION LIMITS.
BLANK	10/01/86	1,000	AQUA	ND	ND	ND	ND	ND	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.
	11/06/86	10	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			** - OTHER VOC; DICHLOROBROMOMETHANE
	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		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	TABLE 5
	09/04/87	36	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND		ND	GROUNDWATER QUALITY ANALYSIS ORGANIC COMPOUNDS PAGE 42 OF 42 MONITOR WELLS
	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	
	02/10/88	34	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	5.6**	ND	GROUNDWATER INVESTIGATIONS ALLIED CORPORATION SOUTH BEND, INDIANA PROJECT # ALCMPX SBIN 011
	02/10/88	35	AQUA	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	5.0**	ND	
																T A GLEASON ASSOCIATES Environmental and Geotechnical Services

OCRW1
08-Apr-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)									OTHER ORGANIC COMPOUNDS	
				BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	TOTAL XYLENES	CIS-1,2 DICHLORO-ETHENE
				UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
E-3	03/25/87	7	AQUA	72	56	ND	10	10	ND	ND	ND	ND	23	53
	01/14/88	19	AQUA	60	25	ND	9.4	9.2	ND	ND	ND	ND	19	48
	02/10/88	29	AQUA	60	26	ND	11	8.5	70	ND	ND	ND	21	61
RWB-6	03/25/87	10	AQUA	ND	300	8.7	50	ND	54	ND	ND	ND	65	410
	03/25/87	11	AQUA	ND	300	12	50	ND	72	ND	ND	ND	69	410
	09/04/87	33	AQUA	ND	ND	ND	ND	ND	45	290	ND	ND	ND	700
	01/14/88	16	AQUA	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	460
	02/10/88	26	AQUA	ND	ND	ND	ND	ND	55	230	ND	ND	57	550

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 011

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

OCRW2
08-Apr-88

				PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS (VOC)									OTHER ORGANIC COMPOUNDS	
SAMPLE SOURCE	DATE	SAMPLE #	LAB	BENZENE	1,1-DI-CHLORO-ETHANE	1,1-DI-CHLORO-ETHYLENE	ETHYL BENZENE	TOLUENE	TRANS-1,2 DI-CHLORO-ETHYLENE	1,2 DI-CHLORO-ETHANE	CHLORO-ETHANE	TRI-CHLORO-ETHENE	TOTAL XYLENES	CIS-1,2 DICHLORO-ETHENE
				UG/L	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
RWB-16	03/25/87	8	AQUA	22	16	ND	ND	ND	ND	ND	ND	ND	ND	16
	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	8.5	ND	220	ND	ND	ND
	02/10/88	30	AQUA	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND	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
	02/10/88	25	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.

TABLE 6

GROUNDWATER QUALITY ANALYSIS
ORGANIC COMPOUNDS
PAGE 2 OF 3
RECOVERY WELLS

GROUNDWATER INVESTIGATIONS
ALLIED CORPORATION
SOUTH BEND, INDIANA
PROJECT # ALCMPX SBIN 011

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

OCRW3
08-Apr-88

SAMPLE SOURCE	DATE	SAMPLE #	LAB	PRIORITY POLLUTANTS VOLATILE ORGANIC COMPOUNDS: BENZENE UG/L	1,1-DICHLOROETHANE UG/L	1,1-DICHLOROETHYLENE UG/L	ETHYL BENZENE MG/L	TOLUENE UG/L	TRANS-1,2 DICHLOROETHYLENE UG/L	1,2 DICHLOROETHANE UG/L	CHLOROETHANE UG/L	TRICHLOROETHENE UG/L	OTHER ORGANIC COMPOUNDS: TOTAL XYLENES UG/L	CIS-1,2 DICHLOROETHENE UG/L
RWB-22	03/25/87	9	AQUA	184	124	ND	94	ND	60	ND	ND	ND	199	ND
	09/04/87	34	AQUA	ND	ND	ND	81	ND	ND	ND	420	ND	160	ND
	01/14/88	17	AQUA	117	48	ND	47	22	ND	ND	70	ND	85	36
	01/14/88	18	AQUA	122	53	ND	51	24	ND	ND	90	ND	91	38
	02/10/88	27	AQUA	170	59	ND	73	61	14	ND	110	ND	140	44
	02/10/88	28	AQUA	151	51	ND	70	50	11	ND	ND	ND	140	46

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 011

T A GLEASON ASSOCIATES
ENVIRONMENTAL AND GEOTECHNICAL SERVICES