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August 19, 2005

Reference No. 6124

Ms. Mary Tierney
EPA Project Coordinator
USEPA - Region V (HSRW-6J)
77 West Jackson Blvd.
Chicago, Illinois 60604

Dear Ms. Tierney:

Re: Operation and Maintenance Report, April 2005
Hi-Mill Manufacturing Site

Enclosed, please find one (1) copy of the report entitled "Operation and Maintenance Report, April 2005", for the HI-Mill Manufacturing Co., in Highland Township, Michigan.

Should you have any questions regarding this information, please do not hesitate to contact us.

Yours truly

CONESTOGA-ROVERS & ASSOCIATES

Jamie Puskas, P. Eng.
kp/ck/23

Encl.
c.c. Bob Beard
Daria Devantier

OPERATION AND MAINTENANCE REPORT
APRIL 2005

HI-MILL MANUFACTURING SITE
HIGHLAND TOWNSHIP
OAKLAND COUNTY, MICHIGAN

Prepared by:
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AUGUST 2005
REF. NO. 6124 (50)
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1.0 INTRODUCTION

The Hi-Mill Manufacturing Company (Hi-Mill) Superfund Site (Site) is located at 1704 Highland Road in Highland Township, Oakland, County, Michigan.

In March 1995, a Response Design Plan was prepared to comply with the requirements of Section VI.11 of the Consent Decree (United States of America vs. Hi-Mill Manufacturing Co.) dated June 1994. The Response Action involved installation of six shallow groundwater monitoring wells and two intermediate depth monitoring wells. The monitoring wells were installed in August and September 1995. The Response Design Plan included groundwater sampling at 19 monitoring wells; and water level measurements at 25 monitoring wells, five piezometers, and four surface water locations.

After 4 years of groundwater monitoring, Hi-Mill petitioned USEPA to reduce the monitoring frequency in a letter dated May 29, 2000. USEPA approved the petition in a letter dated July 26, 2000. Modifications to the groundwater monitoring program include the monitoring of all wells on an annual basis (April), with the following exceptions:

1) wells SW-26A, SW-27, and SW-28 would be monitored semi-annually, in April and October; and
2) wells SW-1 and SW-24 would be monitored quarterly, in January, April, July, and October.

In a letter dated January 16, 2004 to the EPA, CRA proposed modifications to the groundwater monitoring program. Through discussions between the EPA and Hi-Mill Manufacturing Co., it was decided that the monitoring program be reduced to annual monitoring at the following 11 wells:

- SW-1
- SW-3
- SW-10
- SW-24
- SW-25
- SW-26A
- SW-27
- SW-28
- IW-3
- IW-8
- IW-9

This Operation and Maintenance Report presents the results for the annual monitoring period ending in April 2005. The report is organized as follows:

Section 1.0	Introduction;
Section 2.0	Agency/Community Contacts;
Section 3.0	Field Activities;
Section 4.0	Groundwater Monitoring Results;
Section 5.0	Problems/Corrective Actions;
Section 6.0	Projected Future Work; and
Section 7.0	Waste Management.

2.0 AGENCY/COMMUNITY CONTACTS

A list of agency contacts made during the reporting period is presented below:

Name	*Agency*	*Purpose*
Mary Tierney	USEPA	notification of sampling

No community contacts were made during this reporting period.

3.0 FIELD ACTIVITIES

Annual monitoring activities including water level measurements and groundwater sampling, were conducted during the period from April 29 to May 5, 2005. Monitoring locations are presented on Figure 3.1. A description of the field activities is presented in the following sections.

3.1 WATER LEVEL MEASUREMENTS

Water level measurements are summarized in Table 3.1. Groundwater level contour maps are presented on Figures 3.2 and 3.3, for shallow and intermediate flow zones, respectively.

3.2 ANNUAL GROUNDWATER SAMPLING

In accordance with the groundwater monitoring program presented in Section 1.0, wells to be monitored in April include:

- SW-1
- SW-3
- SW-10
- SW-24
- SW-25
- SW-26A
- SW-27
- SW-28
- IW-3
- IW-8
- IW-9

Prior to sample collection, a minimum of two well volumes were evacuated from the wells. Measurements for turbidity, temperature, pH, and conductivity were obtained after each well volume was evacuated. Purging was considered complete when two consecutive consistent readings of temperature, pH, and conductivity were obtained.

Purging was conducted using a bladder pump, where possible. At wells where the recharge or water depth was insufficient to use a bladder pump, a peristaltic pump was used for purging.

At wells where recharge was insufficient to provide the volume of water required (i.e., two well volumes), the water level was pumped down to the top of the screen and the sample collected when the well had sufficiently recharged. If the static water level was already within the screened interval, the well was pumped dry and sampled after the well sufficiently recharged.

Purge records are presented in Appendix A.

Groundwater samples were collected using a bladder pump, where possible. At wells where the water depth and/or recharge characteristics prevented use of a bladder pump, the samples were collected using a peristaltic pump. This procedure was discussed and agreed upon with the USEPA.

A sample key for the April/May 2005 monitoring event is presented in Table 3.2.

4.0 GROUNDWATER MONITORING RESULTS

All groundwater samples collected were analyzed for TCL VOCs in accordance with the Quality Assurance Project Plan (QAPP). Analyses were conducted by Severn Trent Laboratories in North Canton, Ohio. A copy of the laboratory report is presented in Appendix B, and CRA's data validation report is presented in Appendix C.

A summary of the analytical results is presented in Table 4.1 and on Figure 4.1. The April/May 2005 monitoring data will be used to evaluate changes, if any, in the groundwater quality relative to baseline conditions. Analytical results of the groundwater samples collected in April/May 2005 are generally consistent with the respective historical analytical results. It is to be noted, however, that cis-1,2-dichloroethene was detected at well SW-27 in April 2005 at a concentration of 18 μg/L. Cis-1,2-dichloroethene was not detected at this location in the previous groundwater sample collected in April 2004, at a detection limit of 1 U μg/L. The concentration of cis-1,2-dichloroethene was also detected at well SW-10 at a higher concentration than the previous groundwater sample. In April 2005 it was detected at a level of 27 μg/L and in April 2004 it was detected at a concentration of 15 μg/L. Trichloroethene was also detected at well SW-10, but at the low concentration of 1.6 μg/L. Trichloroethene was detected at this well during the previous two sampling events, April 2003 and April 2004, and at comparable concentrations. Prior to April 2003, trichloroethene was detected only once in 20 sampling events.

5.0 PROBLEMS/CORRECTIVE ACTIONS

The only problem encountered during the April 2005 groundwater sampling event was that well SW-24 was flooded at the time of sampling. It was sampled on May 5, 2005 instead.

6.0 PROJECTED FUTURE WORK

Discussions with USEPA regarding modifications to the groundwater monitoring program are ongoing. Future monitoring will be performed in accordance with the agreed-upon revised monitoring program.

7.0 WASTE MANAGEMENT

Purge water from wells SW-1, SW-3, SW-24, and SW-26 collected during the April/May 2005 sampling event was stored in a Department of Transportation closed-top, 55-gallon drum. The drum will remain closed at all times.

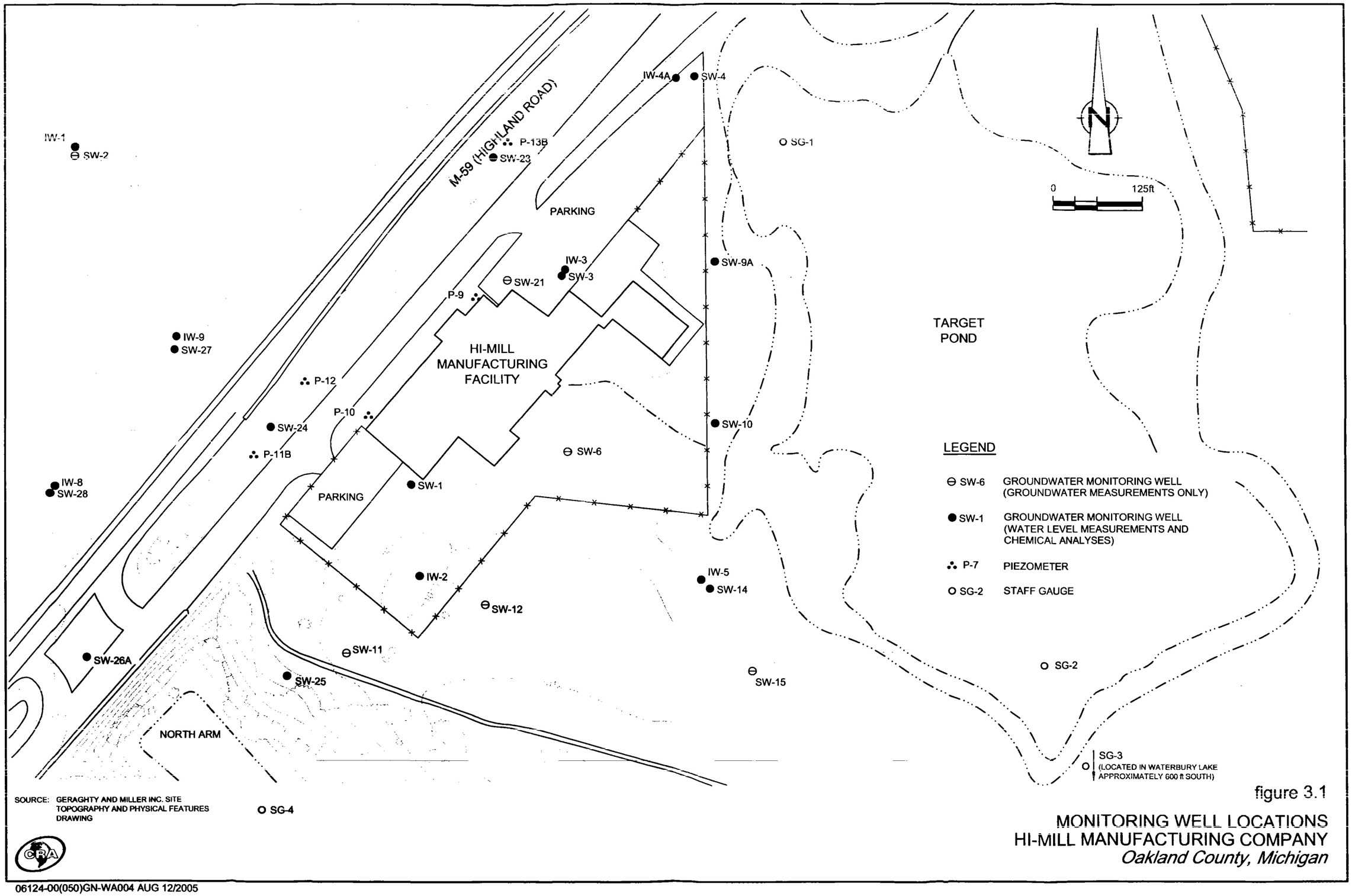
The volume of contaminated purge water generated during the April/May 2005 sampling event was approximately 9 gallons. The current total volume of contaminated purge water in this drum is estimated to be just under 55 gallons. The drum will be used to store contaminated purge water during subsequent sampling events, until drum capacity has been reached. The current status of the drum is summarized in Table 7.1.

The drum is labeled as follows:

HAZARDOUS WASTE
PURGE WATER
Generator EPA ID: MID005341714
EPA Waste Code: D040
May 5, 2005

When the drum has been filled to capacity, the date on which this occurred will be marked on the drum. Removal and disposal of the drum will then be managed in accordance with State of Michigan regulations.

FIGURES



SOURCE: GERAGHTY AND MILLER INC. SITE TOPOGRAPHY AND PHYSICAL FEATURES DRAWING

figure 3.1

MONITORING WELL LOCATIONS
HI-MILL MANUFACTURING COMPANY
Oakland County, Michigan

06124-00(050)GN-WA004 AUG 12/2005

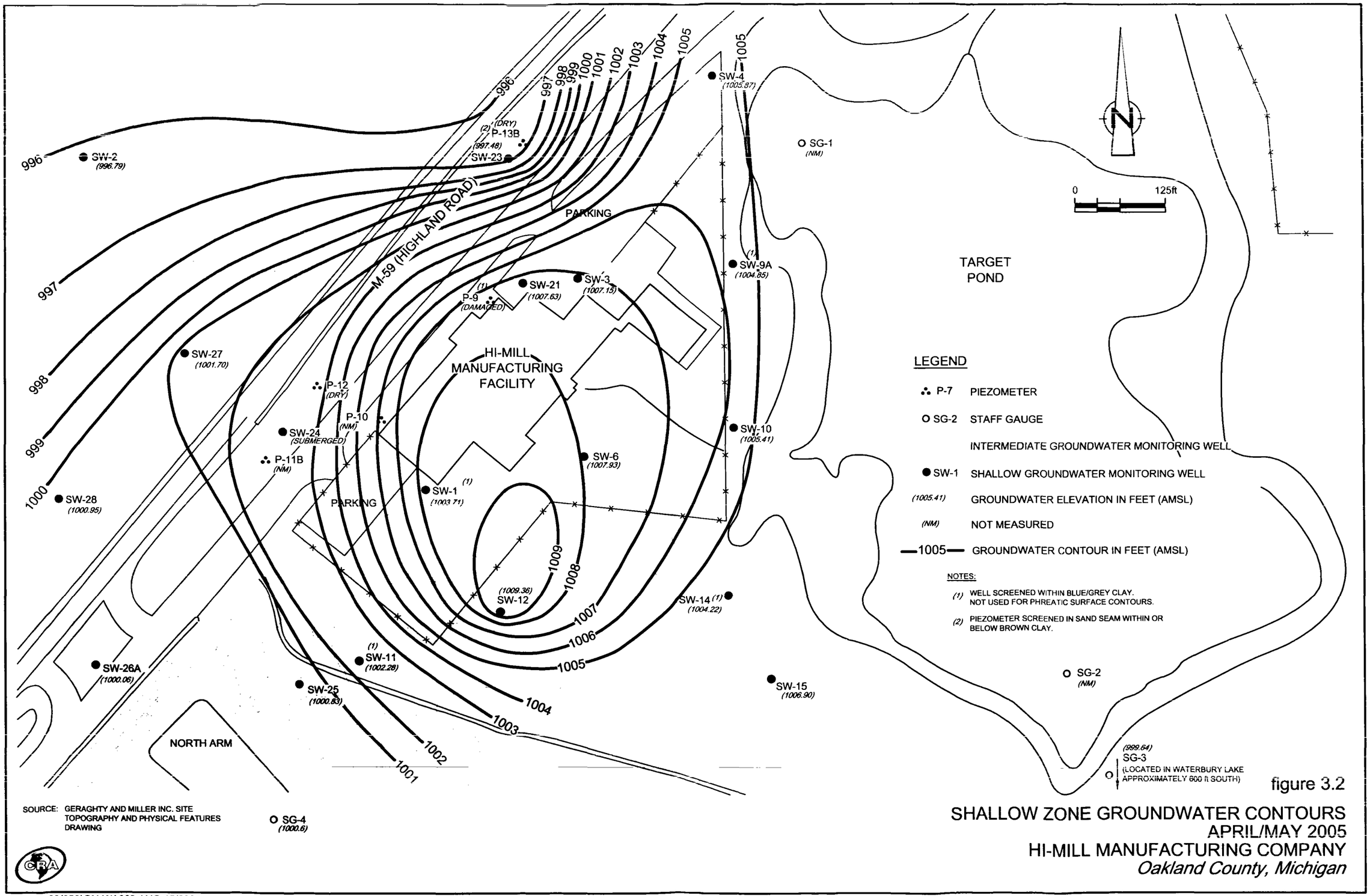


figure 3.2

SHALLOW ZONE GROUNDWATER CONTOURS
APRIL/MAY 2005
HI-MILL MANUFACTURING COMPANY
Oakland County, Michigan

06124-00(050)GN-WA002 AUG 15/2005

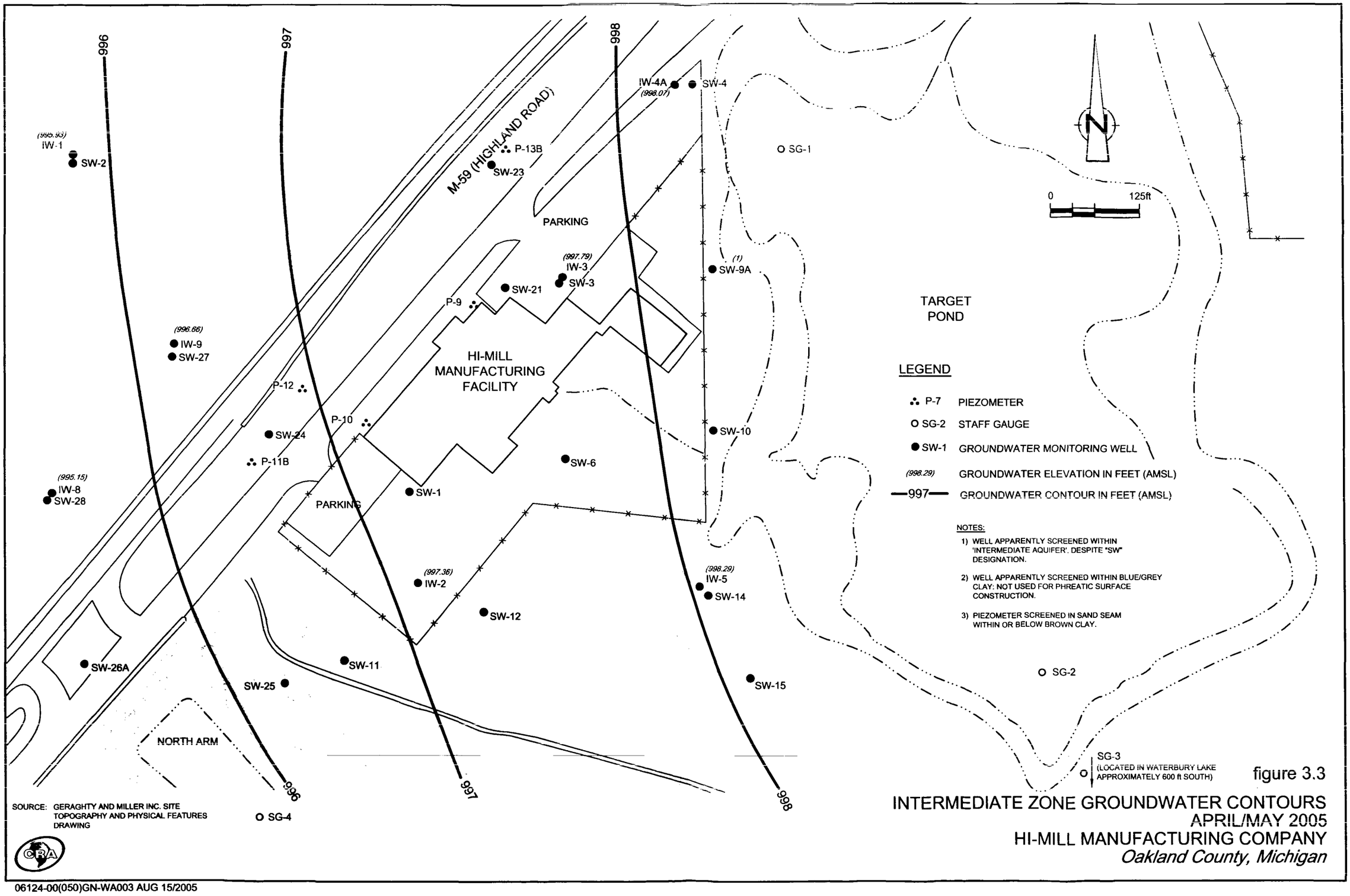
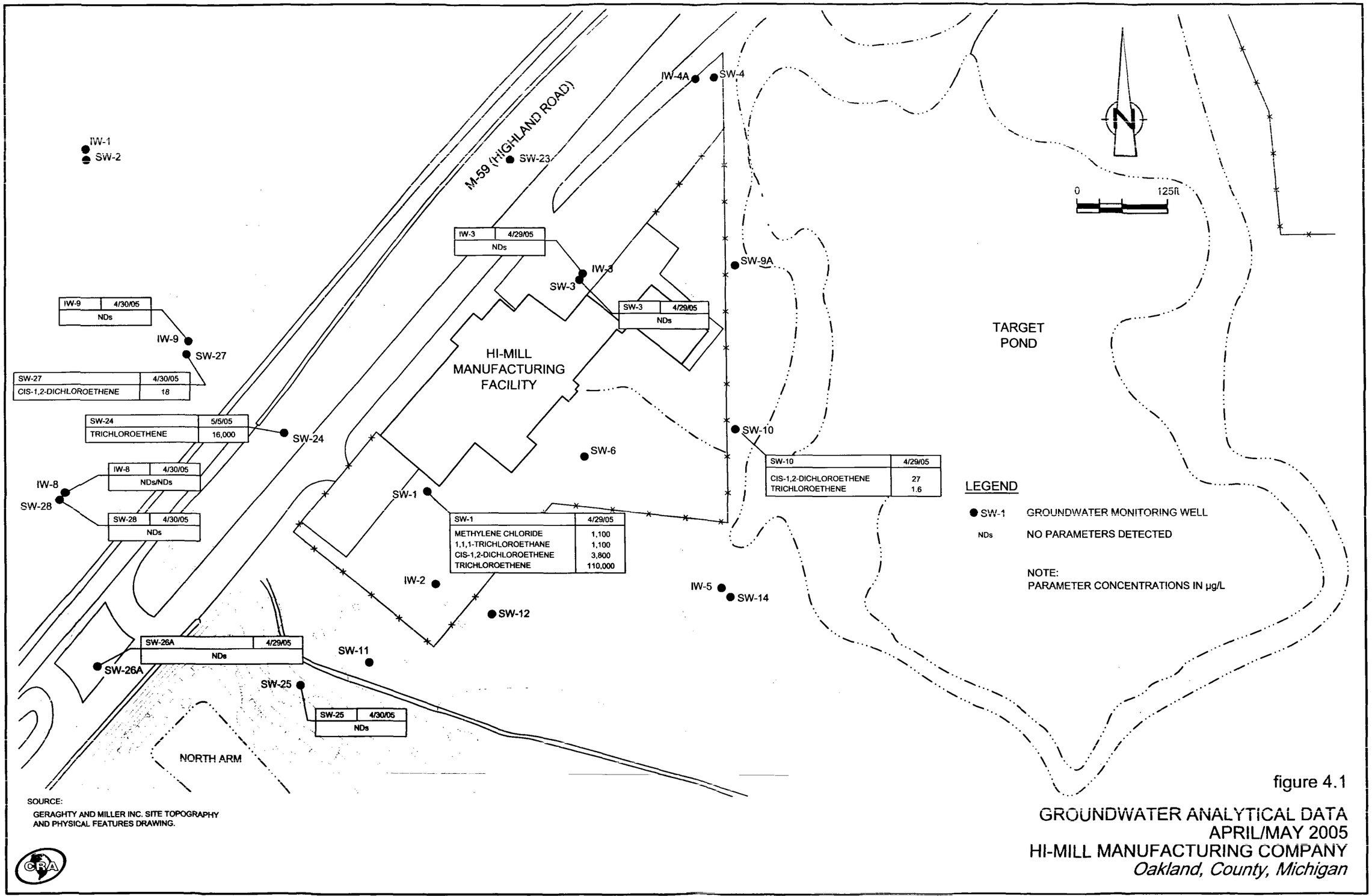


figure 3.3

INTERMEDIATE ZONE GROUNDWATER CONTOURS
APRIL/MAY 2005
HI-MILL MANUFACTURING COMPANY
Oakland County, Michigan

06124-00(050)GN-WA003 AUG 15/2005



SOURCE:
GERAGHTY AND MILLER INC. SITE TOPOGRAPHY AND PHYSICAL FEATURES DRAWING.

figure 4.1

GROUNDWATER ANALYTICAL DATA
APRIL/MAY 2005
HI-MILL MANUFACTURING COMPANY
Oakland, County, Michigan

06124-00(050)GN-WA001 AUG 16/2005

TABLES

TABLE 3.1

WATER LEVEL MEASUREMENTS
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well ID	*Reference Elevation (ft. AMSL)*	*10/2/1995*	*1/8/1996*	*4/9/1996*	*7/9/1996*	*10/21/1996*	*1/13/1997*	*4/16/1997*	*7/15/1997*	*10/7/1997*	*1/19/1998*	*4/14/1998*	*7/14/1998*	*10/21/1998*
SW1	1,013.17	1,001.78	1,002.24	1,003.47	1,003.55	1,001.70	1,003.07	1,004.29	1,002.97	1,002.72	1,003.35	1,004.53	1,002.64	1,000.03
SW2	1,018.04	998.60	997.76	997.55	999.75	998.32	997.52	998.09	999.51	998.36	997.44	998.23	998.98	997.38
SW3	1,012.43	1,006.50	1,005.66	frozen	1,006.82	1,006.91	1,006.23	1,007.69	1,006.49	1,006.88	1,006.80	1,007.73	1,006.64	1,006.43
SW4	1,010.13	1,004.99	1,004.98	1,005.62	1,005.17	1,005.43	1,005.45	1,005.97	1,004.74	1,005.38	1,005.46	1,005.91	1,004.74	1,004.70
SW6	1,011.63	1,005.04	1,007.26	1,008.09	1,006.03	1,007.77	1,007.92	1,008.08	1,005.45	1,007.21	1,003.41	1,008.09	1,005.98	1,004.44
SW9	1,010.10	1,004.85	1,004.81	1,005.02	1,004.59	1,004.46	1,004.91	1,005.00	1,001.12	1,004.66	1,004.88	1,005.01	1,003.88	1,002.67
SW10	1,010.50	1,004.55	1,005.12	1,005.75	1,004.94	1,004.87	1,005.35	1,005.75	1,004.59	1,005.01	1,005.65	1,005.67	1,004.34	1,002.84
SW11	1,013.04	1,000.26	1,000.98	1,001.90	1,001.95	999.03	1,001.66	1,002.86	1,001.24	1,000.66	1,001.71	1,002.91	1,000.23	997.46
SW12	1,013.14	1,004.92	1,008.46	1,009.45	1,006.90	1,000.30	1,009.25	1,009.49	1,005.24	1,007.04	1,009.11	1,009.63	1,004.10	DRY (1,000.30)
SW14	1,009.76	1,002.46	1,004.05	1,004.35	1,003.66	1,000.56	1,004.33	1,004.61	1,003.00	1,003.19	1,004.26	1,004.65	1,001.90	998.03
SW15	1,010.93	NA	1,005.91	1,006.83	1,004.64	1,001.77	1,006.59	1,006.85	NA	1,004.27	1,006.65	1,007.36	1,002.31	999.11
SW21	1,012.93	1,006.40	1,005.43	frozen	1,006.73	1,006.89	1,006.13	1,007.86	1,006.62	1,007.05	1,006.53	1,007.53	1,007.12	1,007.09
SW23	1,006.00	997.49	997.37	997.68	998.28	997.22	997.60	997.57	997.96	997.50	997.51	998.65	997.45	996.64
SW24	1,004.76	1,000.58	1,000.71	1,001.50	1,002.24	999.91	1,001.42	1,002.67	1,001.85	1,000.66	1,000.74	1,001.34	1,001.35	998.87
SW25	1,007.01	999.44	999.84	998.60	1,000.97	998.72	1,000.24	1,001.56	1,000.30	999.68	1,000.28	1,001.62	999.40	997.31
SW26A	1,010.04	998.99	999.14	999.86	999.98	998.72	999.52	1,000.35	999.53	999.14	999.80	1,000.53	999.13	998.28
SW27	1,014.31	1,000.67	1,000.62	1,001.33	1,002.52	999.90	1,000.79	1,002.71	1,001.86	1,000.51	1,000.91	1,002.75	1,001.00	DRY (999.21)
SW28	1,011.41	999.50	999.74	1,000.55	1,001.33	998.73	999.95	1,002.07	1,000.60	999.27	DRY (997.46)	1,002.23	DRY (999.60)	DRY (997.68)
IW1	1,017.02	995.86	995.90	996.04	996.66	995.68	996.00	996.87	996.31	995.87	996.07	996.91	995.86	995.17
IW2	1,014.56	997.30	997.34	997.61	998.18	997.12	997.52	998.41	997.84	997.39	997.61	998.54	997.39	996.56
IW3	1,011.90	997.72	998.73	997.99	998.56	997.51	997.90	998.40	998.22	997.77	997.98	998.91	997.73	996.99
IW4A	1,010.06	997.92	998.01	998.24	998.87	997.81	998.15	999.08	998.48	998.01	998.21	999.17	997.98	997.19
IW5	1,009.39	998.28	998.30	998.57	999.06	998.02	998.48	999.38	998.75	998.35	998.60	999.44	998.28	997.45
IW8	1,012.19	995.10	995.09	995.31	995.93	994.88	995.23	996.14	995.58	995.11	993.31	996.26	995.10	994.37
IW9	1,015.38	996.62	996.66	996.88	997.50	996.46	996.77	997.75	997.16	996.70	996.90	997.95	996.59	995.96
P9	1,011.37	1,008.43	1,007.59	1,009.13	1,008.69	1,008.83	1,008.41	1,009.79	1,008.70	1,009.09	1,008.67	1,009.57	1,009.06	1,009.11
P10	1,011.02	DRY (1,005.52)	DRY (1,005.52)	1,006.63	1,006.22	1,005.77	1,007.41	1,007.35	1,005.94	1,006.30	1,006.45	1,007.50	1,005.89	DRY (1,005.34)
P11B	1,005.49	1,000.90	1,001.27	1,002.49	1,002.52	1,001.02	1,001.66	1,003.01	1,002.00	1,001.85	1,001.96	1,002.35	1,001.28	DRY (1,000.24)
P12	1,006.10	DRY (1,002.60)	1,002.36	1,002.76	DRY (1,002.60)	DRY (1,002.60)	1,002.90	1,003.18	1,002.58	DRY (1,002.60)	1,003.49	1,003.29	DRY (1,002.57)	DRY (1,002.42)
P13B	1,006.92	997.53	997.49	997.70	998.34	997.25	997.62	997.56	997.93	997.50	997.66	998.65	997.42	996.83
Staff Gauge ID (c)														
SG1	1005.47 (1.55)(b)	1,005.17	FROZEN	1,004.92	1,005.52	1,005.07	FROZEN	1,005.72	1,005.62	1,005.42	1,005.72	1,005.71	1,005.02	1,004.40
SG2	1005.47 (1.35)(b)	NA	FROZEN	NA	NA	1,005.37	FROZEN	1,006.32	1,006.01	NA	1,006.32	NA	NA	1,004.60
SG3	999.64 (1.20)(b)	NA	FROZEN	1,000.13	NA	999.60	FROZEN	1,000.72	NA	1,000.12	1,000.32	1,000.58	1,000.19	999.21
SG4	999.25 (1.17)(b)	NA	FROZEN	1,000.18	1,000.28	999.08	FROZEN	1,000.73	999.85	999.47	999.99	1,000.34	999.50	998.60

Notes:

(a) Measured on 4/29/2005.
(b) Reference elevation is equivalent to the indicated reference gauge reading (in parentheses).
(c) Pond water elevation = (staff gauge reading) - (reference gauge reading) + reference elevation.
NA - Elevation not available.
NM - Not measured.

TABLE 3.1

WATER LEVEL MEASUREMENTS
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well ID	*Reference Elevation (ft. AMSL)*	*3/15/1999*	*5/5/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*7/20/2000*	*10/31/2000*	*1/11/2001*	*4/2/2001*	*7/9/2001*	*10/3/2001*	*1/18/2002*	*4/17/2002*	*7/15/2002*
SW1	1,013.17	1,002.61	1,002.35	1,002.15	999.76	1,000.55	1,002.87	1,001.92	1,001.72	1,003.26	1,003.51	1,002.77	1,001.39	1,003.28	1,003.91	1,001.57
SW2	1,018.04	996.25	996.14	996.37	995.85	995.45	995.31	NM	NM	NM	996.56	NM	NM	NM	997.53	NM
SW3	1,012.43	1,007.25	1,007.30	1,007.11	1,006.67	1,005.85	1,007.40	NM	NM	NM	1,007.62	NM	NM	NM	1,007.34	NM
SW4	1,010.18	1,006.00	1,005.53	1,005.34	1,005.00	1,004.90	1,006.12	NM	NM	NM	1,006.03	NM	NM	NM	1,005.95	NM
SW6	1,011.63	1,008.01	1,007.35	1,006.81	1,005.90	1,007.37	1,008.15	NM	NM	NM	1,008.10	NM	NM	NM	1,007.99	NM
SW9	1,010.10	1,004.76	1,004.78	1,004.56	1,004.21	1,004.49	1,004.94	NM	NM	NM	1,005.00	NM	NM	NM	1,004.96	NM
SW10	1,010.50	1,005.36	1,005.16	1,004.97	1,004.52	1,005.06	1,005.60	NM	NM	NM	1,005.56	NM	NM	NM	1,005.46	NM
SW11	1,013.04	1,000.87	1,001.20	1,000.03	997.65	999.06	1,001.00	NM	NM	NM	1,001.91	NM	NM	NM	1,002.51	NM
SW12	1,013.14	1,009.18	1,008.79	1,006.92	DRY (1,000.34)	1,007.64	1,009.42	NM	NM	NM	1,009.59	NM	NM	NM	1,009.36	NM
SW14	1,009.76	1,003.39	1,003.86	1,002.64	999.07	1,001.32	1,003.36	NM	NM	NM	1,004.29	NM	NM	NM	1,004.22	NM
SW15	1,010.93	1,006.04	1,006.38	1,003.80	999.78	1,000.95	1,006.92	NM	NM	NM	1,007.24	NM	NM	NM	1,006.86	NM
SW21	1,012.93	NA	NA	NA	NA	NA	1,007.30	NM	NM	NM	NM	NM	NM	NM	1,005.93	NM
SW23	1,006.00	996.88	997.27	996.64	996.04	996.07	996.24	NM	NM	NM	997.67	NM	NM	NM	997.90	NM
SW24	1,004.76	NA	1,001.35	1,000.69	998.26	998.82	999.30	1,000.91	1,001.83	NM	1,001.38	1,001.12	999.70	NM	1,001.51	1,001.41
SW25	1,007.01	999.43	999.92	999.12	997.16	998.09	999.42	NM	NM	NM	1,000.52	NM	NM	NM	1,001.06	NM
SW26A	1,010.04	999.42	999.94	999.32	998.25	998.48	999.33	NM	999.38	NM	999.82	NM	998.88	NM	999.99	NM
SW27	1,014.31	999.57	1,000.20	999.95	DRY (999.28)	DRY (999.28)	DRY (999.31)	NM	999.71	NM	1,001.45	NM	Dry (999.36)	NM	1,002.09	NM
SW28	1,011.41	998.50	999.68	998.83	DRY (997.57)	DRY (997.57)	997.73	NM	998.90	998.99	1,000.95	NM	998.08	NM	1,001.44	NM
IW1	1,017.02	995.38	995.72	995.11	994.65	994.63	994.84	NM	NM	NM	996.05	NM	NM	NM	996.26	NM
IW2	1,014.56	996.79	997.21	996.50	995.90	995.90	996.15	NM	NM	NM	997.47	NM	NM	NM	997.76	NM
IW3	1,011.90	997.08	997.54	996.84	996.30	996.30	NM	NM	NM	NM	997.94	NM	NM	NM	998.20	NM
IW4A	1,010.06	997.34	997.74	997.07	996.54	996.53	996.82	NM	NM	NM	998.14	NM	NM	NM	998.41	NM
IW5	1,009.39	997.61	993.05	997.33	996.76	996.73	997.07	NM	NM	NM	998.37	NM	NM	NM	998.71	NM
IW8	1,012.19	994.58	995.01	994.31	993.81	993.85	994.09	NM	NM	NM	995.26	NM	NM	NM	995.58	NM
IW9	1,015.38	996.08	996.48	995.72	995.24	995.24	995.34	NM	NM	NM	996.78	NM	NM	NM	997.03	NM
P9	1,011.37	1,009.86	DRY	1,009.38	1,008.72	1,007.96	1,009.49	NM	NM	NM	1,009.74	NM	NM	NM	1,006.28	NM
P10	1,011.02	1,007.53	1,006.57	1,006.59	1,005.34	1,005.54	1,007.63	NM	NM	NM	1,007.18	NM	NM	NM	1,007.52	NM
P11B	1,005.49	1001.50(a)	1,002.04	1,001.23	DRY (1,000.23)	DRY (1,000.23)	1,001.49	NM	NM	NM	NM	NM	NM	NM	1,002.39	NM
P12	1,006.10	1,003.22	1,002.64	1,002.70	1,002.70	DRY (1,002.70)	1,003.19	NM	NM	NM	NM	NM	NM	NM	1,003.24	NM
P13B	1,006.92	Dry (a)	997.17	996.89	996.85	996.85	996.87	NM	NM	NM	NM	NM	NM	NM	997.77	NM
Staff Gauge ID (c)																
SG1	1005.47 (1.55)(b)	1,003.88	1,005.88	1,005.45	1,004.92	NA	1,005.71	NM	NM	NM	1,005.83	NM	NM	NM	1,005.90	NM
SG2	1005.47 (1.35)(b)	1,003.40	1,006.15	NA	1,005.50	NA	1,006.32	NM	NM	NM	1,006.82	NM	NM	NM	1,006.92	NM
SG3	999.64 (1.20)(b)	998.65	999.34	NA	DRY (998.64)	NA	999.00	NM	NM	NM	999.43	NM	NM	NM	1,000.09	NM
SG4	999.25 (1.17)(b)	998.40	999.36	998.81	998.14	NA	998.62	NM	NM	NM	999.66	NM	NM	NM	1,000.05	NM

Notes:

(a) Measured on 3/17/99.
(b) Reference elevation is equivalent to the indicated reference gauge reading (in parentheses).
(c) Pond water elevation = (staff gauge reading) - (reference gauge reading) + reference elevation.
NA - Elevation not available.
NM - Not measured.

TABLE 3.1

WATER LEVEL MEASUREMENTS
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well ID	*Reference Elevation (ft. AMSL)*	*10/21/2002*	*1/10/2003*	*4/14/2003*	*7/11/2003*	*10/31/2003*	*4/26/2004*	*4/29/2005*
SW1	1,013.17	998.67	999.68	1,002.16	1,001.47	998.94	1,002.23	1,003.71
SW2	1,018.04	NM	NM	995.54	NM	NM	995.04	996.79
SW3	1,012.43	NM	NM	1,006.96	NM	NM	1,006.75	1,007.13
SW4	1,010.18	NM	NM	1,005.75	NM	NM	1,004.82	1,005.87
SW6	1,011.63	NM	NM	1,007.83	NM	NM	1,006.71	1,007.93
SW9	1,010.10	NM	NM	1,004.70	NM	NM	1,004.53	1,004.85
SW10	1,010.50	NM	NM	1,005.13	NM	NM	1,004.93	1,005.41
SW11	1,013.04	NM	NM	1,000.28	NM	NM	1,000.71	1,002.28
SW12	1,013.14	NM	NM	1,008.79	NM	NM	1,000.74	1,009.36
SW14	1,009.76	NM	NM	1,001.37	NM	NM	1,003.48	1,004.22
SW15	1,010.93	NM	NM	1,004.21	NM	NM	1,006.29	1,006.90
SW21	1,012.93	NM	NM	1,007.53	NM	NM	1,006.58	1,007.63
SW23	1,006.00	NM	NM	996.46	NM	NM	996.28	997.48
SW24	1,004.76	998.41	997.77	1,000.61	999.71	NM	999.66	submerged
SW25	1,007.01	NM	NM	998.95	NM	NM	999.30	1,000.83
SW26A	1,010.04	997.85	NM	999.38	NM	NM	999.49	1,000.06
SW27	1,014.31	Dry (15.09)	NM	Dry (15.10)	NM	NM	999.92	1,001.70
SW28	1,011.41	Dry (13.91)	NM	997.83	NM	NM	999.38	1,000.95
IW1	1,017.02	NM	NM	994.99	NM	NM	994.90	995.93
IW2	1,014.56	NM	NM	996.53	NM	NM	996.10	997.36
IW3	1,011.90	NM	NM	996.66	NM	NM	996.54	997.79
IW4A	1,010.06	NM	NM	996.97	NM	NM	996.81	998.07
IW5	1,009.39	NM	NM	997.24	NM	NM	997.00	998.29
IW8	1,012.19	NM	NM	994.17	NM	NM	994.07	995.15
IW9	1,015.38	NM	NM	995.58	NM	NM	995.39	996.66
P9	1,011.37	NM	NM	1,009.61	NM	NM	NM	Damaged
P10	1,011.02	NM	NM	1,007.28	NM	NM	1,005.64	NM
P11B	1,005.49	NM	NM	1,000.64	NM	NM	1,001.63	NM
P12	1,006.10	NM	NM	1,002.90	NM	NM	Dry (3.90)	Dry
P13B	1,006.92	NM	NM	Dry (10.17)	NM	NM	Dry (10.21)	Dry
Staff Gauge ID (c)								
SG1	1005.47 (1.55)(b)	NM	NM	1,005.37	NM	NM	1,005.60	NM
SG2	1005.47 (1.35)(b)	NM	NM	NM	NM	NM	NM	NM
SG3	999.64 (1.20)(b)	NM	NM	Dry	NM	NM	Dry (0.33)	999.64
SG4	999.25 (1.17)(b)	NM	NM	998.68	NM	NM	999.07	1,000.60

Notes:

(a) Measured on 3/17/99.
(b) Reference elevation is equivalent to the indicated reference gauge reading (in parentheses).
(c) Pond water elevation = (staff gauge reading) - (reference gauge reading) + reference elevation.
NA - Elevation not available.
NM - Not measured.

TABLE 3.2

SAMPLE KEY
APRIL/MAY 2005 GROUNDWATER SAMPLING EVENT
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Sample Location	*Sample Identification*	*QA/QC*	*Chemical Analysis*
GW-6124-042905-BW-166	SW-1		TCL VOCs
GW-6124-042905-BW-167	SW-3		TCL VOCs
GW-6124-042905-BW-168	SW-26A		TCL VOCs
GW-6124-042905-BW-169	IW-3		TCL VOCs
GW-6124-042905-BW-170	SW-10		TCL VOCs
GW-6124-043005-BW-171	SW-25		TCL VOCs
GW-6124-043005-BW-172	SW-28		TCL VOCs
GW-6124-043005-BW-173	SW-27		TCL VOCs
GW-6124-043005-BW-174	IW-8		TCL VOCs
GW-6124-043005-BW-175	IW-8	Duplicate	TCL VOCs
GW-6124-043005-BW-176	IW-9	MS/MSD	TCL VOCs
TB-6124-177	-	Trip Blank	TCL VOCs
GW-6124-050505-BW-178	SW-24		TCL VOCs
TB-6124-179	-	Trip Blank	TCL VOCs

Notes:

Collected groundwater samples were transported under chain-of-custody protocol to Severn Trent Laboratories, Inc., North Canton, Ohio
MS/MSD - Matrix Spike/Matrix Spike Duplicate
QA/QC - Quality Assurance/Quality Control

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-1*											
Sampling Date:	*1/13/1997*	*4/17/1997*	*7/17/1997*	*10/8/1997*	*1/20/1998*	*4/15/1998*	*7/16/1998*	*10/21/1998*	*3/16/1999*	*5/6/1999*	*7/26/1999*	*10/26/1999*
Sample ID:	*DC-142*	*SF-180*	*TJ-208*	*SF-231*	*SF-248*	*SM-279*	*TJ-318*	*SM-326*	*TJ-352*	*BE-381*	*BW-408*	*BW-435*
Parameter (µg/L)												
Acetone	4,000U	5,000U	3,100U	50U	12,000U	500UJ	2,500U	250U	500U	250U	2,500U	5,000U
Vinyl Chloride	4,000U	1,000U	620U	47	2,500U	100UJ	500U	50U	100U	65	500U	1,000U
cis-1,2-Dichloroethene	4,000U	2,600	2,000	2,500E	3,600	3,400EJ	4,300	5,200	3,700	4,800E	4,900	5,100
trans-1,2-Dichloroethene	4,000U	1,000U	620U	32	2,500U	100UJ	500U	50U	100U	50	500U	1,000U
1,2-Dichloroethane	4,000U	1,000U	620U	10U	2,500U	100UJ	500U	50U	100U	50U	500U	1,000U
Trichloroethene	160,000	120,000	32,000	78,000	110,000	110,000	110,000	110,000E	97,000	120,000	100,000	110,000
Toluene	4,000U	1,000U	620U	62	2,500U	100UJ	500U	86	7800J	59	500U	1,000U
Xylenes (total)	4,000U	1,000U	620U	16	2,500U	100UJ	500U	50U	100U	50U	500U	1,000U
Chloromethane	4,000U	1,000U	620U	10U	2,500U	100UJ	500U	50U	100U	50U	500U	1,000U
1,1,1-Trichloroethane	4,000U	1,800	620U	1,400E	2,500U	1,400J	1,400	1,200	1,200	1,600E	1,100	1,400
Methylene Chloride	8,000U	2,000U	820	710E	5,000U	960J	500U	680	800J	910	1,600U	2,000U
1,1-Dichloroethane	4,000U	1,000U	620U	120	2,500U	160J	500U	180	240	270	500U	1,000U
4-Methyl-2-Pentanone	4,000U	5,000U	3,100U	94	12,000U	100UJ	2,500U	250U	500U	250U	2500U	5,000U
Tetrachloroethene	4,000U	1,000U	620U	420E	2,500U	580J	500U	1,100	440	400	500U	1,000U
1,1,2-Trichloroethane	4,000U	1,000U	620U	16	2,500U	100UJ	500U	50U	100U	50U	500U	1,000U
1,1-Dichloroethene	4,000U	1,000U	620U	10U	2,500U	100UJ	500U	76	100U	86	500U	1,000U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well	*SW-1*							
Sampling Date:	*1/25/2000*	*4/25/2000*	*7/20/2000*	*10/31/2000*	*1/11/2001*	*4/3/2001*	*7/9/2001*	*10/3/2001*
Sample ID:	*BW-460*	*BW-485*	*BW-498/BW-499*	*BW-015*	*EH-025/EH-026*	*BW-044*	*BN-062*	*BN-067*
Parameter (µg/L)								
Acetone	3,600U	3,100U	6,200U/6,200U	2,500UJ	4,200U/4,200U	2,500U	2,500U	6,200U
Vinyl Chloride	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
cis-1,2-Dichloroethene	4,900	4,500	6,600/6,000	4500J	5,000/5,200	3,500	6,000	6,200
trans-1,2-Dichloroethene	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
1,2-Dichloroethane	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
Trichloroethene	170,000	96,000	96,000/92,000	90,000	130,000/140,000	77,000	150,000	150,000
Toluene	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
Xylenes (total)	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
Chloromethane	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
1,1,1-Trichloroethane	1,200	1,100	1,200/1,200U	1,500J	1,800/2,000	1,200	2,500U	1,900
Methylene Chloride	1,400U	1,200U	2,500U/2,500U	1,300J	1,700U/1,700U	1,200	2,500U	2,500U
1,1-Dichloroethane	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
4-Methyl-2-Pentanone	3,600U	3,100U	6,200U/6,200U	500UJ	830U/830U	500U	2,500U	1,200U
Tetrachloroethene	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
1,1,2-Trichloroethane	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U
1,1-Dichloroethene	710U	620U	1,200U/1,200U	500UJ	830U/830U	500U	2,500U	1,200U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	SW-1									
Sampling Date:	*1/18/2002*	*4/18/2002*	*7/15/2002*	*10/21/2002*	*1/10/2003*	*4/15/2003*	*7/11/2003*	*10/31/2003*	*4/27/2004*	*4/29/2005*
Sample ID:	*BN-068*	*BW-079*	*BW-095*	*BW-104*	*BW-105/106*	*BW-120*	*BW-135*	*EH-136*	*BW-150*	*BW-166*
Parameter (µg/L)										
Acetone	12,000U	6,200U	25,000U	1,200U	25,000U/15,000U	6200U	6200U	2,500U	5,000U	2,500U
Vinyl Chloride	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
cis-1,2-Dichloroethene	6,000	5,800	5,500	8,400	9,000/8,800	7,100	6,600	10,000	5,500	3,800
trans-1,2-Dichloroethene	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	5,000U
1,2-Dichloroethane	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
Trichloroethene	170,000	160,000	160,000	190,000	240,000/190,000	240,000	180,000	210,000	170,000	110,000
Toluene	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
Xylenes (total)	2,500U	1,200U	5,000U	1,200U	3,000U/1,800U	1200U	1200U	500U	1,000U	500U
Chloromethane	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
1,1,1-Trichloroethane	2,500U	1,700	5,000U	1,800	2,800/2,500	2,500	1,900	2,200	1,600	1,100
Methylene Chloride	5,000U	2,500U	10,000U	1,200U	5,000U/3100U	2,700	2500U	3,200	2,000U	1,100
1,1-Dichloroethane	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
4-Methyl-2-Pentanone	2,500U	1,200U	5,000U	1,200U	50,000U/31,000U	6200U	6200U	500U	5,000U	2,500U
Tetrachloroethene	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
1,1,2-Trichloroethane	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U
1,1-Dichloroethene	2,500U	1,200U	5,000U	1,200U	1,000U/620U	1200U	1200U	500U	1,000U	500U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-2*												
Sampling Date:	*4/15/1998*	*7/15/1998*	*10/23/1998*	*3/17/1999*	*5/6/1999*	*7/27/1999*	*10/27/1999*	*1/25/2000*	*4/25/2000*	*4/3/2001*	*4/18/2002*	*4/16/2003*	*4/28/2004*
Sample ID:	*SM-275*	*TJ-299*	*SM-343*	*TJ-361*	*BE-389*	*BW-413*	*BW-442*	*BW-465*	*BW-488*	*BW-055*	*BW-086*	*BW-127*	*BW-159/160*
Parameter (µg/L)													
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	5U	5	5U	5U	5U/5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
1,1,1-Trichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
Methylene Chloride	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U/2U
1,1-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
4-Methyl-2-Pentanone	5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	1U	5U	5U/5U
Tetrachloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
1,1,2-Trichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U
1,1-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-3(1)*										
Sampling Date:	*10/9/1995*	*1/10/1996*	*7/11/1996*	*10/22/1996*	*1/14/1997*	*4/18/1997*	*7/17/1997*	*10/9/1997*	*1/20/1998*	*4/15/1998*	*7/15/1998*
Sample ID:		*SF-063*	*SDM-112*	*SM-130*	*DC-155*	*SF-190*	*TJ-216*	*SF-241*	*SF-254/255*	*SM-287*	*TJ-312*
Parameter (µg/L)											
Acetone	5	6.7U	10U	6	12	5U	5U	5U	5U/5U	5U	5U
Vinyl Chloride	3	1U	46	9	19	1.3	12	6.9	14/12	9	1U
cis-1,2-Dichloroethene	2.4	1U	14	1	2	1U	1U	1U	1U/1U	1U	1.5
trans-1,2-Dichloroethene	1U	1U	2U	1U	1U	1U	1U	1U	1U/1U	1U	1U
1,2-Dichloroethane	1U	1U	2U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Trichloroethene	3.6	1U	2U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Toluene	1U	1U	2U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Xylenes (total)	1U	1U	2U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Chloromethane	1U	1U	2U	2	1U	1U	1U	1U	1U/1U	1U	1U
1,1,1-Trichloroethane	1U	1U	2U	2	1U	1U	1U	1U	1U/1U	1U	1U
Methylene Chloride	2U	2U	4U	2U	2U	2U	2U	2U	2U/2U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	SW-3(1)											
Sampling Date:	*10/22/1998*	*3/17/1999*	*5/6/1999*	*7/27/1999*	*10/26/1999*	*1/25/2000*	*4/25/2000*	*4/3/2001*	*4/18/2002*	*4/15/2003*	*4/27/2004*	*4/29/2005*
Sample ID:	*SM-334*	*TJ-357*	*BE-382*	*BW-409*	*BW-436*	*BW-461*	*BW-486*	*BW-046/047*	*BW-082*	*BW-121*	*BW-151*	*BW-167*
Parameter (µg/L)												
Acetone	5.6	6.1U	5U	5U	5U	5U	5U	5U/5U	5U	5U	5U	5U
Vinyl Chloride	57	2.2	15	5.9	7.4	2.5	2.0	5.0/5.3	4	1U	1U	1U
cis-1,2-Dichloroethene	1.3	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Trichloroethene	1U	5.5	1U	1U	18	1U	1U	2.7/2.3	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
1,1,1-Trichloroethane	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Methylene Chloride	1U	1U	1U	1U	1U	1U	1U	2U/2U	2U	1U	2U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-4*										
Sampling Date:	*10/9/1995*	*1/10/1996*	*4/11/1996*	*7/11/1996*	*10/23/1996*	*1/15/1997*	*4/18/1997*	*7/17/1997*	*10/9/1997*	*1/20/1998*	*4/15/1998*
Sample ID:	*SF-046/047*	*SF-061/062*	*SF-083*	*SDM-118*	*SM-140*	*DC-159*	*SF-187/188*	*TJ-212*	*SF-237*	*SF-258*	*SM-286*
Parameter (µg/L)											
Acetone	7.2U/9.6U	5U/5.7U	5U	5U	5U	15	6.8/5U	5U	5U/5U	5U	5U
Vinyl Chloride	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
cis-1,2-Dichloroethene	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
trans-1,2-Dichloroethene	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
1,2-Dichloroethane	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
Trichloroethene	1U/5.2	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
Toluene	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
Xylenes (total)	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
Chloromethane	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U
Carbon Disulfide	1U/1U	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-4*											
Sampling Date:	*7/15/1998*	*10/22/1998*	*3/17/1999*	*5/5/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/3/2001*	*4/17/2002*	*4/14/2003*	*4/26/2004*
Sample ID:	*TJ-310*	*SM-331*	*TJ-356*	*BE-371*	*BW-397*	*BW-424*	*BW-448*	*BW-473*	*BW-033*	*BW-069/070*	*BW-108*	*BW-138*
Parameter (µg/L)												
Acetone	7.7	5U	5U	5U	5U	5U	5U	5U	5U	5U/5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Carbon Disulfide	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-6*												
Sampling Date:	*4/15/1998*	*7/16/1998*	*10/21/1998*	*3/16/1999*	*5/6/1999*	*7/26/1999*	*10/26/1999*	*1/25/2000*	*4/25/2000*	*4/3/2001*	*4/18/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*SM-280*	*TJ-317*	*SM-325*	*TJ-350*	*BE-380*	*BW-404*	*BW-434*	*BW-459*	*BW-484*	*BW-045*	*BW-080*	*BW-119*	*BW-149*
Parameter (µg/L)													
Acetone	5U	5U	5U	8.7	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	2.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1.3	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Carbon Disulfide	1U	1U	2.9	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	5U	5U	5U	5U	5U	5U	5U	6.0	5U	5U	5U	5U	5U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-9A*										
Sampling Date:	*10/10/1995*	*1/10/1996*	*4/10/1996*	*7/10/1996*	*10/22/1996*	*1/14/1997*	*4/18/1997*	*7/17/1997*	*10/10/1997*	*1/20/1998*	*4/15/1998*
Sample ID:	*SF-048*	*SF-059*	*SF-077*	*SDM-106*	*SM-129*	*DC-149*	*SF-184*	*TJ-211*	*SF-235*	*SF-249*	*SM-286*
Parameter (µg/L)											
Acetone	8.8U	5U	5.6	5U	5U	5U	5U	5U	6.1	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1.6	15	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	2.0	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U/1U	1U	1U	1U	1U	1U	1U	1.5	1U	1U	1U
Chloroethane	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-9A*											
Sampling Date:	*7/16/1998*	*10/23/1998*	*3/16/1999*	*5/6/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/2/2001*	*4/17/2002*	*4/15/2003*	*4/26/2004*
Sample ID:	*TJ-320*	*SM-342*	*TJ-354*	*BE-384*	*BW-398*	*BW-425*	*BW-450*	*BW-475*	*BW-035*	*BW-071*	*BW-119*	*BW-140*
Parameter (µg/L)												
Acetone	5U	5U	5U/5U	6.1	5U	5U	5U	5U	5U	5U	5U	5.7
Vinyl Chloride	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	1U	1U	1U/1U	1U	1U	1U	1.7	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-10 (1)*										
Sampling Date:	*10/10/1995*	*1/10/1996*	*7/10/1996*	*10/22/1996*	*1/15/1997*	*4/18/1997*	*7/17/1997*	*10/9/1997*	*1/20/1998*	*4/15/1998*	*7/16/1998*
Sample ID:	*SF-049*	*SF-060*	*SDM-105*	*SM-128*	*DC-160*	*SF-185*	*TJ-210*	*SF-236*	*SF-250*	*SM-284*	*TJ-319*
Parameter (µg/L)											
Acetone	5U	5U	5U	5U	51	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	2.4	2.6	1U	1U	1U	1.2	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	2.5	1.9	1U	1	9.9	7.7	2.6	1.8	3.0	1.2
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	9.5	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	2	1U	1.2	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-10 (1)*											
Sampling Date:	*10/23/1998*	*3/16/1999*	*5/5/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/2/2001*	*4/18/2002*	*4/14/2003*	*4/26/2004*	*4/29/2005*
Sample ID:	*SM-341*	*TJ-353*	*BE-385*	*BW-399*	*BW-427*	*BW-451*	*BW-476*	*BW-038*	*BW-088/089*	*BW-112*	*BW-141*	*BW-170*
Parameter (µg/L)												
Acetone	5U	5U	5.2	5U	5U	5U	5U	5U	5U/5U	5U	5U	5U
Vinyl Chloride	2.6	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U
cis-1,2-Dichloroethene	4.6	9.6	12	6.1	2.8	5.1	8.3	4.4	6.2/6.7	10	15	27
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1.4	1.4	1.6
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-11*										
Sampling Date:	*7/9/1996*	*1/15/1997*	*4/16/1997*	*7/16/1997*	*10/7/1997*	*1/19/1998*	*4/14/1998*	*7/14/1998*	*10/21/1998*	*3/16/1999*	*5/5/1999*
Sample ID:	*SDM-098*	*DC-164*	*SF-170*	*TJ-195*	*SF-221*	*SF-246*	*SM-270*	*SF-297*	*SM-323*	*TJ-348*	*BE-376*
Parameter (µg/L)											
Acetone	5U	13	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-11*						
Sampling Date:	*7/26/1999*	*10/26/1999*	*1/24/2000*	*4/2/2001*	*4/17/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*BW-406*	*BW-430*	*BW-455*	*BW-040*	*BW-076*	*BW-116*	*BW-146*
Parameter (µg/L)							
Acetone	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-12(4)*											
Sampling Date:	*7/9/1996*	*1/14/1997*	*4/16/1997*	*7/16/1997*	*10/7/1997*	*1/19/1998*	*4/14/1998*	*7/14/1998*	*3/16/1999*	*5/5/1999*	*7/26/1999*	*1/24/2000*
Sample ID:	*SDM-099*	*DC-148*	*SF-169*	*TJ-194*	*SF-220*	*SF-245*	*SM-269*	*SF-296*	*TJ-347*	*BE-375*	*BW-405*	*BW-454*
Parameter (µg/L)												
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1.0	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-12(4)*				
Sampling Date:	*4/25/2000*	*4/2/2001*	*4/17/2002*	*4/15/2003*	*4/26/2004*
Sample ID:	*BW-480*	*BW-039*	*BW-075*	*BW-115*	*BW-144/145*
Parameter (µg/L)					
Acetone	5U	5U	5U	5U	5U/5U
Vinyl Chloride	1U	1U	1U	1U	1U/1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U/1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U/1U
1,2-Dichloroethane	1U	1U	1U	1U	1U/1U
Trichloroethene	1U	1U	1U	1U	1U/1U
Toluene	1U	1U	1U	1U	1U/1U
Xylenes (total)	1U	1U	1U	1U	1U/1U
Chloromethane	1U	1U	1U	1U	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-14*											
Sampling Date:	*10/6/1995*	*1/9/1996*	*4/10/1996*	*7/9/1996*	*10/21/1996*	*1/15/1997*	*4/16/1997*	*7/16/1997*	*10/7/1997*	*1/19/1998*	*4/14/1998*	*7/14/1998*
Sample ID:	*SF-036*	*SF-051*	*SF-074*	*SDM-094*	*SM-120*	*DC-162*	*SF-167*	*TJ-192*	*SF-219*	*SF-243*	*SM-267*	*SF-294*
Parameter (µg/L)												
Acetone	5U	5.6U	5U	5U	7	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1.2	1	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-14*										
Sampling Date:	*10/21/1998*	*3/16/1999*	*5/5/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/2/2001*	*4/17/2002*	*4/14/2003*	*4/26/2004*
Sample ID:	*SM-321*	*TJ-345*	*BE-374*	*BW-400*	*BW-428*	*BW-453*	*BW-478*	*BW-037*	*BW-074*	*BW-113*	*BW-143*
Parameter (µg/L)											
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-23*											
Sampling Date:	*10/9/1995*	*1/9/1996*	*4/10/1996*	*7/10/1996*	*10/21/1996*	*1/15/1997*	*4/17/1997*	*7/16/1997*	*10/7/1997*	*1/20/1998*	*4/15/1998*	*7/15/1998*
Sample ID:	*SF-043*	*SF-058*	*SF-078*	*SDM-102*	*SDM-125*	*DC-161*	*SF-181*	*TJ-204/205*	*SF-223*	*SF-251*	*SM-273*	*TJ-309*
Parameter (µg/L)												
Acetone	5U	50U	43	5U	5U	8	11	5U/5U	5U	5U	5U	5U
Vinyl Chloride	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
1,2-Dichloroethane	1.1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Trichloroethene	1U	110	1U	1.4	1U	1U	1U	1U/1U	1U	1U	1U	1U
Toluene	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Xylenes (total)	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Chloromethane	1U	10U	1U	1.0	2	1U	1U	1U/1U	1U	1U	1U	1U
1,1-Dichloroethene	1U	10U	1U	1.0	2	1U	1U	1U/1U	1U	1U	1U	1U
Chloroform	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
1,1,2-Trichloroethane	1U	10U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-23*										
Sampling Date:	*10/22/1998*	*3/17/1999*	*5/7/1999*	*7/27/1999*	*10/27/1999*	*1/26/2000*	*4/26/2000*	*4/3/2001*	*4/18/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*SM-339*	*TJ-358*	*BE-391*	*BW-410*	*BW-438*	*BW-469*	*BW-493*	*BW-048*	*BW-085*	*BW-123*	*BW-153*
Parameter (µg/L)											
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-24*									
Sampling Date:	*10/9/1995*	*1/9/1996*	*4/10/1996*	*7/10/1996*	*10/21/1996*	*1/13/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/20/1998*
Sample ID:	*SF-041*	*SF-057*	*SF-079*	*SDM-103/104*	*SM-126*	*DC-143*	*SF-182*	*TJ-206*	*SF-233*	*SF-252*
Parameter (µg/L)										
Acetone	5,000U	3,125U	2,500U	3,125U/5,000U	250U	250U	50U	1,000U	40U	2,500U
Vinyl Chloride	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	17	500U
cis-1,2-Dichloroethene	1,000U	740	990	625U/1,000U	1,300	910	5.2J	1,400	1,200	1,000
trans-1,2-Dichloroethene	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	9.2	500U
1,2-Dichloroethane	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
Trichloroethene	14,000	8,700	10,000	11,000/12,000	12,000EJ	13,000	140	10,000	16,000	17,000
Toluene	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
Xylenes (total)	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
Chloromethane	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
1,1-Dichloroethene	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	11	500U
Chloroform	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
1,1,2-Trichloroethane	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U
Methylene Chloride	1,000U	625U	500U	625U/1,000U	250U	250U	10U	200U	8U	500U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-24*										
Sampling Date:	*4/21/1998*	*7/15/1998*	*10/22/1998*	*5/7/1999*	*10/27/1999*	*7/28/1999*	*1/26/2000*	*4/26/2000*	*7/20/2000*	*10/31/2000*	*4/3/2001*
Sample ID:	*SM-293*	*TJ-307*	*SM-336*	*BE-394*	*BW-439/440*	*BW-419/420*	*BW-472*	*BW-495*	*BW-500*	*BW-016*	*BW-050*
Parameter (µg/L)											
Acetone	5U	250U	5U	50U	1,000U/500U	500U/500U	84U	170U	360U	830UJ	500U
Vinyl Chloride	20	50U	1U	15	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
cis-1,2-Dichloroethene	520E	1,300	3,100	1,700	1,900/1,800	1,400/1,400	1,600	150	1,300	1,200J	640
trans-1,2-Dichloroethene	1U	50U	1U	15	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
1,2-Dichloroethane	0.8J	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
Trichloroethene	9,900	16,000	13,000	16,000	13,000/13,000	17,000/16,000	2,000	7,100	4,400	12,000J	14,000
Toluene	1U	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
Xylenes (total)	1U	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
Chloromethane	1U	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
1,1-Dichloroethene	14	50U	1U	13	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
Chloroform	2	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
1,1,2-Trichloroethane	4	50U	1U	10U	200U/100U	100U/100U	17U	33U	71U	170UJ	100U
Methylene Chloride	1U	50U	1U	13	400U/200U	210U/200U	33U	67U	140U	330UJ	200U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-24*									
Sampling Date:	*7/9/2001*	*10/3/2001*	*4/18/2002*	*7/15/2002*	*10/21/2002*	*1/10/2003*	*4/15/2003*	*7/11/2003*	*4/27/2004*	*5/5/2005*
Sample ID:	*BN-061*	*BN-066*	*BW-083*	*BW-096/097*	*BW-102/103*	*BW-107*	*BW-124*	*BW-134*	*BW-154*	*BW-178*
Parameter (µg/L)										
Acetone	4,200U	620U	500U	330U/330U	500U/620U	1000U	62U	360U	500U	6,200U
Vinyl Chloride	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
cis-1,2-Dichloroethene	830U	770	650	620/600	780/830	630	270	1900	740	1,200U
trans-1,2-Dichloroethene	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
1,2-Dichloroethane	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
Trichloroethene	16,000	14,000	14,000	14,000/14,000	15,000/15,000	13,000	2,600	13,000	17,000	16,000
Toluene	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
Xylenes (total)	830U	120U	100U	330U/330U	100U/120U	130U	12U	71U	100U	1,200U
Chloromethane	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
1,1-Dichloroethene	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
Chloroform	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
1,1,2-Trichloroethane	830U	120U	100U	330U/330U	100U/120U	42U	12U	71U	100U	1,200U
Methylene Chloride	1,700U	250U	200U	330U/330U	200U/250U	210U	25U	140U	100U	1,200U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-25*										
Sampling Date:	*10/6/1995*	*1/9/1996*	*4/9/1996*	*7/9/1996*	*10/21/1996*	*1/15/1997*	*4/16/1997*	*7/16/1997*	*10/7/1997*	*1/19/1998*	*4/14/1998*
Sample ID:	*SF-037*	*SF-053/054*	*SF-073*	*SDM-099*	*SM-123*	*DC-165*	*SF-171*	*TJ-196/197*	*SF-222*	*SF-247*	*SM-271/272*
Parameter (µg/L)											
Acetone	5U	6.7U/8.2U	5U	5U	5U	5U	5U	5U/5U	5U	5U	5U/5U
Vinyl Chloride	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
cis-1,2-Dichloroethene	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
trans-1,2-Dichloroethene	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
1,2-Dichloroethane	1.1	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
Trichloroethene	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
Toluene	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
Xylenes (total)	1U	1U/1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U/1U
Chloromethane	1U	1U/1U	1U	1.0	2	1U	1	1U/1U	1U	1U	1U/1U
Carbon Disulfide	1U	1U/1U	1U	1.0	2	1U	1U	1U/1U	1U	1U	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-25*											
Sampling Date:	*7/14/1998*	*10/21/1998*	*3/16/1999*	*5/5/1999*	*7/26/1999*	*10/26/1999*	*1/24/2000*	*4/25/2000*	*4/2/2001*	*4/17/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*SF-298*	*SM-324*	*TJ-349*	*BE-377*	*BW-407*	*BW-431*	*BW-456/457*	*BW-482/483*	*BW-041/042*	*BW-077*	*BW-117*	*BW-147*
Parameter (µg/L)												
Acetone	5U	5U	5U	5U	5U	5U	5U/5U	5U/5U	6.8/5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	4.1/3.7	1U/1U	1U/1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U
Carbon Disulfide	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-25*
Sampling Date:	*4/30/2005*
Sample ID:	*BW-171*

Parameter (µg/L)	
Acetone	5U
Vinyl Chloride	1U
cis-1,2-Dichloroethene	1U
trans-1,2-Dichloroethene	1U
1,2-Dichloroethane	1U
Trichloroethene	1U
Toluene	1U
Xylenes (total)	1U
Chloromethane	1U
Carbon Disulfide	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-26A*										
Sampling Date:	*10/9/1995*	*1/9/1996*	*4/10/1996*	*7/9/1996*	*10/21/1996*	*1/15/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/20/1998*	*4/15/1998*
Sample ID:	*SF-040*	*SF-056*	*SF-080/081*	*SDM-100/101*	*SM-127*	*DC-166*	*SF-183*	*TJ-207*	*SF-234*	*SF-253*	*SM-274*
Parameter (µg/L)											
Acetone	11U	5U	5U/5U	5U/5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	5.1	3.3	1.8/1.9	1U/1U	3	1	1U	1U	1U	1.3	1U
cis-1,2-Dichloroethene	4.2	4.7	2.6/3.1	1.6/1.7	4	2	1U	1.8	1.0	3.0	1U
trans-1,2-Dichloroethene	2.3	1.5	1.0/1.0	1.2/1.2	2	1U	1U	1U	1.2	1U	1U
1,2-Dichloroethane	1.4U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	17/18	1U/1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U/1U	1U/1.3	3	1U	1.4	1U	1U	1U	1U
Carbon Disulfide	1U	1U	1U/1U	1U/1U	1U	1U	1.5	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-26A*									
Sampling Date:	*7/15/1998*	*10/21/1998*	*3/17/1999*	*5/7/1999*	*7/28/1999*	*10/27/1999*	*1/25/2000*	*4/26/2000*	*10/31/2000*	*4/3/2001*
Sample ID:	*TJ-308*	*SM-330*	*TJ-359*	*BE-391/392*	*BW-423*	*BW-441*	*BW-463/464*	*BW-490*	*BW-009/010*	*BW-051*
Parameter (µg/L)										
Acetone	5U	5U	5.9U	5U/5U	5U	5U	5U/5U	5U/5U	5U/5U	5U
Vinyl Chloride	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
cis-1,2-Dichloroethene	1U	1.3	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
trans-1,2-Dichloroethene	1U	1.3	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
1,2-Dichloroethane	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
Trichloroethene	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1.4
Toluene	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
Xylenes (total)	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
Chloromethane	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U
Carbon Disulfide	1U	1U	1U	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	2U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-26A*					
Sampling Date:	*10/3/2001*	*4/18/2002*	*10/21/2002*	*4/15/2003*	*4/27/2004*	*4/29/2005*
Sample ID:	*BN-065*	*BW-084*	*BW-101*	*BW-125/126*	*BW-155*	*BW-168*
Parameter (µg/L)						
Acetone	5U	5U	7.6	5U/5U	5U	10U
Vinyl Chloride	1U	1U	1U	1U/1U	1U	2U
cis-1,2-Dichloroethene	1U	1U	1U	1U/1.2	1U	2U
trans-1,2-Dichloroethene	1U	1U	1U	1U/1U	1U	2U
1,2-Dichloroethane	1U	1U	1U	1U/1U	1U	2U
Trichloroethene	1U	1U	1U	1U/1U	1U	2U
Toluene	1U	1U	1U	1U/1U	1U	2U
Xylenes (total)	1U	1U	1U	1U/1U	1U	2U
Chloromethane	1U	1U	1U	1U/1U	1U	2U
Carbon Disulfide	1U	1U	1U	1U/1U	1U	2U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-27 (2)*										
Sampling Date:	*10/9/1995*	*1/11/1996*	*4/11/1996*	*7/10/1996*	*1/14/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/21/1998*	*4/15/1998*	*7/15/1998*
Sample ID:	*SF-038*	*SF-068*	*SF-087*	*SDM-110*	*DC-152*	*SF-173*	*TJ-201*	*SF-224*	*SF-264/265*	*SM-278*	*TJ-302*
Parameter (µg/L)											
Acetone	6.8U	7.1U	5U	5U	5	5U	5U	5U	5U/5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
1,2-Dichloroethane	1.3U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Chloromethane	1U	1U	1U	1.1	1U	1U	1U	1U	1U/1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-27 (2)*							
Sampling Date:	*3/17/1999*	*5/6/1999*	*7/28/1999*	*10/31/2000*	*4/4/2001*	*4/19/2002*	*4/28/2004*	*4/30/2005*
Sample ID:	*TJ-367*	*BE-386*	*BW-415*	*BW-018*	*BW-059*	*BW-093*	*BW-157*	*BW-173*
Parameter (µg/L)								
Acetone	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1.7	2.9	1U	18
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-28 (3)*										
Sampling Date:	*10/9/1995*	*1/11/1996*	*4/11/1996*	*7/11/1996*	*10/22/1996*	*1/14/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*4/15/1998*	*7/15/1998*
Sample ID:	*SF-039*	*SF-071*	*SF-085*	*SDM-115*	*SM-134*	*DC-147*	*SF-175*	*TJ-198*	*SF-226*	*SM-282*	*TJ-305*
Parameter (µg/L)											
Acetone	6.0U	6.1U	5U	5U	5U	5U	5U	5U	5U/5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
1,2-Dichloroethane	1.9U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U
Chloromethane	1U	1U	1U	1.4	1	1U	1U	1U	1U/1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*SW-28 (3)*										
Sampling Date:	*3/17/1999*	*5/5/1999*	*7/28/1999*	*10/31/2000*	*1/11/2001*	*4/4/2001*	*10/3/2001*	*4/19/2002*	*4/16/2003*	*4/28/2004*	*4/30/2005*
Sample ID:	*TJ-364*	*BE-388*	*BW-421*	*BW-017*	*EH-027*	*BW-054*	*BN-063*	*BW-091*	*BW-131*	*BW-162*	*BW-172*
Parameter (µg/L)											
Acetone	18U	8.8	5U	50U	5U	5U	5U/5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	60	1U	1U	1U/1U	1U	1U	1U	1U
Toluene	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	10U	1U	1U	1U/1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-1*									
Sampling Date:	*10/3/1995*	*1/8/1996*	*4/11/1996*	*7/11/1996*	*10/22/1996*	*1/14/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/21/1998*
Sample ID:	*SF-025*	*SF-050*	*SF-084*	*SDM-117*	*SM-131*	*DC-150*	*SF-172*	*TJ-200*	*SF-230*	*SF-261*
Parameter (µg/L)										
Acetone	10U	19U	5U	5U	5U	28U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1.3	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-1*									
Sampling Date:	*4/15/1998*	*7/15/1998*	*10/21/1998*	*3/17/1999*	*5/14/1999*	*7/27/1999*	*10/27/1999*	*1/26/2000*	*4/25/2000*	*4/4/2001*
Sample ID:	*SM-276/277*	*TJ-300/301*	*SM-328/329*	*TJ-362*	*BE-395*	*BW-414*	*BW-443*	*BW-467*	*BW-489*	*BW-057*
Parameter (µg/L)										
Acetone	5U/5U	5U/5U	5U/5U	6.4U/5.6U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Toluene	1U/1U	1.2U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-1*		
Sampling Date:	*4/18/2002*	*4/16/2003*	*4/28/2004*
Sample ID:	*BW-087*	*BW-128*	*BW-158*
Parameter (µg/L)			
Acetone	5U	5U	5U
Vinyl Chloride	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U
Trichloroethene	1U	1U	1U
Toluene	1U	1U	1U
Xylenes (total)	1U	1U	1U
Chloromethane	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-2*										
Sampling Date:	*10/5/1995*	*1/10/1996*	*4/12/1996*	*7/10/1996*	*10/23/1996*	*1/14/1997*	*4/17/1997*	*7/17/1997*	*10/8/1997*	*1/21/1998*	*4/16/1998*
Sample ID:	*SF-033*	*SF-066*	*SF-090*	*SF-109*	*SM-138*	*DC-145*	*SF-177/178*	*TJ-209*	*SF-232*	*SF-260*	*SM-288*
Parameter (µg/L)											
Acetone	5U	15U	5U	5U	5U	5U	5.4U/5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-2*											
Sampling Date:	*7/16/1998*	*10/23/1998*	*3/16/1999*	*5/6/1999*	*7/26/1999*	*10/26/1999*	*1/25/2000*	*4/25/2000*	*4/3/2001*	*4/18/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*TJ-315/316*	*SM-344*	*TJ-351*	*BE-378/379*	*BW-402/403*	*BW-432*	*BW-458*	*BW-479*	*BW-043*	*BW-078*	*BW-118*	*BW-148*
Parameter (µg/L)												
Acetone	5U/5U	5U	5U	5U/5U	5U/5U	5U/5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Toluene	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U/1U	1U	1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-3*										
Sampling Date:	*10/4/1995*	*1/10/1996*	*4/12/1996*	*7/11/1996*	*10/23/1996*	*1/14/1997*	*4/18/1997*	*7/17/1997*	*10/9/1997*	*1/20/1998*	*4/16/1998*
Sample ID:	*SF-032*	*SF-064*	*SF-093*	*SDM-114*	*SM-139*	*DC-156*	*SF-191*	*TJ-217*	*SF-242*	*SF-256*	*SM-290*
Parameter (µg/L)											
Acetone	5U	8.2U	18	22U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1.4	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-3*												
Sampling Date:	*7/15/1998*	*10/22/1998*	*3/17/1999*	*5/6/1999*	*3/17/1999*	*5/6/1999*	*7/27/1999*	*10/26/1999*	*4/25/2000*	*4/3/2001*	*4/18/2002*	*4/15/2003*	*4/27/2004*
Sample ID:	*TJ-313*	*SM-335*	*TJ-370*	*BE-383*	*TJ-370*	*BE-383*	*BW-412*	*BW-437*	*BW-487*	*BW-049*	*BW-081*	*BW-122*	*BW-152*
Parameter (µg/L)													
Acetone	7.3	5U	5U	5.8	5U	5.8	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-3*
Sampling Date:	*4/29/2005*
Sample ID:	*BW-169*

Parameter (µg/L)	
Acetone	5U
Vinyl Chloride	1U
cis-1,2-Dichloroethene	1U
trans-1,2-Dichloroethene	1U
1,2-Dichloroethane	1U
Trichloroethene	1U
Toluene	1U
Xylenes (total)	1U
Chloromethane	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-4A*										
Sampling Date:	*10/4/1995*	*1/10/1996*	*4/11/1996*	*7/11/1996*	*10/23/1996*	*1/14/1997*	*4/18/1997*	*7/17/1997*	*10/9/1997*	*1/20/1998*	*4/16/1998*
Sample ID:	*SF-030/031*	*SF-065*	*SF-082*	*SDM-119*	*SM-141*	*DC-157/158*	*SF-189*	*TJ-213/214*	*SF-239*	*SF-259*	*SM-291/292*
Parameter (µg/L)											
Acetone	7.6U/7.0U	7.9U	5U	5U	5U	5U/5U	8.0U	5U/5U	5U	5U	5U/5U
Vinyl Chloride	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
cis-1,2-Dichloroethene	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
trans-1,2-Dichloroethene	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
1,2-Dichloroethane	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
Trichloroethene	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
Toluene	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
Xylenes (total)	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
Chloromethane	1U/1U	1U	4.7	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U
Benzene	1U/1U	1U	1U	1U	1U	1U/1U	1U	1U/1U	1U	1U	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-4A*											
Sampling Date:	*7/15/1998*	*10/22/1998*	*3/17/1999*	*5/5/1999*	*7/27/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/2/2001*	*4/17/2002*	*4/14/2003*	*4/26/2004*
Sample ID:	*TJ-311*	*SM-332*	*TJ-360*	*BE-372*	*BW-411*	*BW-426*	*BW-449*	*BW-474*	*BW-034*	*BW-072*	*BW-109/110*	*BW-139*
Parameter (µg/L)												
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	8.4	5U	5U/5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1.5	1U	1U	1U	1U/1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U
Benzene	1U	1U	1U	1U	1U	1U	1	1U	1U	1U	1U/1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-5*									
Sampling Date:	*10/6/1995*	*1/9/1996*	*4/10/1996*	*7/9/1996*	*10/21/1996*	*1/15/1997*	*4/16/1997*	*7/16/1997*	*10/7/1997*	*1/19/1998*
Sample ID:	*SF-035*	*SF-052*	*SF-075/076*	*SDM-095/096*	*SM-121/122*	*DC-163*	*SF-168*	*TJ-193*	*SF-218*	*SF-244*
Parameter (µg/L)										
Acetone	5U	8.3U	5U/6.7	5U/5U	5U/5U	5U	120	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1.0	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U/1U	1U/1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U/1U	1.0/1.0	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-5*												
Sampling Date:	*4/14/1998*	*7/14/1998*	*10/21/1998*	*3/16/1999*	*5/5/1999*	*7/26/1999*	*10/25/1999*	*1/24/2000*	*4/24/2000*	*4/2/2001*	*4/17/2002*	*4/14/2003*	*4/26/2004*
Sample ID:	*SM-268*	*SF-295*	*SM-322*	*TJ-346*	*BE-373*	*BW-401*	*BW-429*	*BW-452*	*BW-477*	*BW-036*	*BW-073*	*BW-114*	*BW-142*
Parameter (µg/L)													
Acetone	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-8*											
Sampling Date:	*10/3/1995*	*1/9/1996*	*4/11/1996*	*7/11/1996*	*10/22/1996*	*1/14/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/21/1998*	*4/15/1998*	*7/15/1998*
Sample ID:	*SF-026*	*SF-072*	*SF-086*	*SDM-116*	*SM-135/136*	*DC-151*	*SF-176*	*TJ-199*	*SF-228*	*SF-262*	*SM-283*	*TJ-306*
Parameter (µg/L)												
Acetone	6.4U	8.0U	5U	5U	5U/5U	5U	5.5U	5U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1.0	1U/1U	1U	1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-8*										
Sampling Date:	*10/22/1998*	*3/17/1999*	*5/7/1999*	*7/28/1999*	*10/27/1999*	*1/26/2000*	*4/26/2000*	*4/4/2001*	*4/19/2002*	*4/16/2003*	*4/28/2004*
Sample ID:	*SM-340*	*TJ-365*	*BE-390*	*BW-422*	*BW-445*	*BW-468*	*BW-492*	*BW-052/053*	*BW-090/092*	*BW-132/133*	*BW-163/164*
Parameter (µg/L)											
Acetone	5U	5U	5U	5U	5U	5U	5U	5U/5U	5U/5U	5U/5U	5U/5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
Trichloroethene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
Toluene	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
Xylenes (total)	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U
Chloromethane	1U	1U	1U	1U	1U	1U	1U	1U/1U	1U/1U	1U/1U	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	IW-8
Sampling Date:	*4/30/2005*
Sample ID:	*BW-174/175*
Parameter (µg/L)	
Acetone	5U/5U
Vinyl Chloride	1U/1U
cis-1,2-Dichloroethene	1U/1U
trans-1,2-Dichloroethene	1U/1U
1,2-Dichloroethane	1U/1U
Trichloroethene	1U/1U
Toluene	1U/1U
Xylenes (total)	1U/1U
Chloromethane	1U/1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-9*										
Sampling Date:	*10/4/1995*	*1/9/1996*	*4/11/1996*	*7/10/1996*	*10/22/1996*	*1/14/1997*	*4/17/1997*	*7/16/1997*	*10/8/1997*	*1/21/1998*	*4/15/1998*
Sample ID:	*SF-028*	*SF-069*	*SF-088*	*SDM-111*	*SM-133*	*DC-153/154*	*SF-174*	*TJ-202*	*SF-225*	*SF-266*	*SM-281*
Parameter (µg/L)											
Acetone	5.8U	7.0U	9.9	5U	17U	5U/7U	6.2U	5U	5U	5U	5U
Vinyl Chloride	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
Trichloroethene	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	2
Toluene	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
Xylenes (total)	1U	1U	1U	1U	1U	1U/1U	1U	1U	1U	1U	1U
Chloromethane	1U	1U	1U	1.1	1U	1U/1U	1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	*IW-9*										
Sampling Date:	*7/15/1998*	*10/22/1998*	*3/17/1999*	*7/28/1999*	*10/27/1999*	*1/26/2000*	*4/26/2000*	*4/4/2001*	*4/19/2002*	*4/16/2003*	*4/28/2004*
Sample ID:	*TJ-303/304*	*SM-337/338*	*TJ-368*	*BW-417*	*BW-446*	*BW-470/471*	*BW-496*	*BW-058*	*BW-094*	*BW-130*	*BW-156*
Parameter (µg/L)											
Acetone	5U/5U	5U/5U	5U/5U	5U/5U	5U/5U	5U/5U	5U/5U	5U	5U	5U	5U
Vinyl Chloride	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
1,2-Dichloroethane	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
Trichloroethene	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
Toluene	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
Xylenes (total)	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U
Chloromethane	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U/1U	1U	1U	1U	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Monitoring Well:	IW-9
Sampling Date:	4/30/2005
Sample ID:	BW-176

Parameter (µg/L)	
Acetone	5U
Vinyl Chloride	1U
cis-1,2-Dichloroethene	1U
trans-1,2-Dichloroethene	1U
1,2-Dichloroethane	1U
Trichloroethene	1U
Toluene	1U
Xylenes (total)	1U
Chloromethane	1U

TABLE 4.1

SUMMARY OF GROUNDWATER ANALYTICAL DATA
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Notes:

(1) No samples collected from wells SW-3 and SW-10 during April 1996 due to frozen conditions in well.
(2) No sample collected from well SW27 in October 1996, October 1998, October 1999, January 2000, April 2000, October 2001, and October 2002 as the well was dry.
(3) No sample collected from SW28 in January 1998, October 1998, October 1999, January 2000, April 2000, and October 2002 as the well was dry.
(4) No sample collected from SW12 in October 1998 and October 1999 as the well was dry.
(5) No sample collected from SW24 in January 2001 and January 2002 as ground surface was flooded.
U Not detected at reported detection limit.
J Estimated value.
E Reported concentration in sample exceeded calibration range.

TABLE 7.1

SUMMARY OF DRUM STATUS
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Drum ID	*Purge Date*	*Well Purged*	*Volume Purged Per Well (gal)*	*Total Purge Water During Sampling Event (gal)*	*Cumulative Volume In Drum (gal)*	*Date Drum Filled To Capacity*
1	11-Jan-07	SW-1	2			
		SW-24	3	5	5	
	16-Apr-07	SW-1	3			
		SW-3	3			
		SW-24	5			
		SW-26	3.75	14.75	19.75	
	12-Jul-07	SW-1	3.75			
		SW-24	5.0	8.75	28.50	
	1-Nov-07	SW-1	2.5	2.5	31.0	
	28-Apr-08	SW-1	3			
		SW-3	3			
		SW-24	3			
		SW-26	4.5	13.5	44.5	
	1-May-09	SW-1	--			
		SW-3	--			
		SW-24	--			
		SW-26	--	9(a)	53.5	5-May-05

Notes

(1) "Small quantity generator" status applies to more than 100 kg (26.4 gallons) but less than 1,000 kg (264.4 gallons) of contaminated purge water generated per calendar month.

(2) "Conditionally exempt small quantity generator" status applies to less than or equal to 100 kg (26.4 gallons) of contaminated purge water generated per calendar month.

(3) Drum is/are closed-top DOT 55-gallon capacity.

(a) Estimated volume.

APPENDICES

APPENDIX A

WELL PURGE RECORDS

TABLE A.1

SUMMARY OF MONITORING WELL PURGING
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Location	*Water Level (ft. BTOR)*	*Well Depth (ft. BTOR)*	*Well Volume (gallons)*	*Volume Removed (gallons)*	*Conductivity (ms/cm)*	*Temperature (°C)*	*pH*	*Turbidity (NTUs)*	*Comments*
SW-1	9.46	19.30	1.5	1.5	0.628	11.20	6.79	111	sheen
				3	0.476	10.80	6.84	499	sheen
				4.5	0.470	10.50	6.89	586	sheen
				5	0.466	10.10	6.91	630	sheen
SW-3	5.3	10.58	0.84	0.9	0.192	10.40	7.56	33	slightly cloudy
				1.8	0.186	10.40	7.44	40	slightly cloudy
				2.9	0.183	10.30	7.40	45	slightly cloudy
SW-10	5.09	8.73	0.58	0.6	0.461	8.20	7.69	12	clear
				1.2	0.448	8.00	7.32	17.1	clear
				1.8	0.444	8.00	7.08	15	clear
				2.4	0.443	7.90	7.06	13.3	clear
SW-24	3.5	11.6	1.296	1.3	5.39	7.50	7.40	9.9	clear
				2.6	5.47	7.50	7.42	8.4	clear
				3.9	5.55	7.40	7.45	8.8	clear
SW-25	6.18	24.87	2.99	3	0.618	9.80	7.77	11.4	
				6	0.444	9.80	7.46	8.8	
				9	0.443	9.70	7.42	7.2	
				12	0.440	9.60	7.40	4.3	
SW-26	4.98	18.5	1.3	1.3	7.04	10.00	6.69	19.3	clear
				2.6	7.01	9.60	6.60	4.41	clear
				3.9	6.99	9.40	6.54	3.8	clear

TABLE A.1

SUMMARY OF MONITORING WELL PURGING
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Location	*Water Level (ft. BTOR)*	*Well Depth (ft. BTOR)*	*Well Volume (gallons)*	*Volume Removed (gallons)*	*Conductivity (ms/cm)*	*Temperature (°C)*	*pH*	*Turbidity (NTUs)*	*Comments*
SW-27	12.61	15.1	0.3	0.3	4.93	9.10	6.05	18.3	clear
				0.6	3.18	9.00	6.00	14.1	clear
				0.9	2.99	9.00	5.99	17.7	clear
				1.5	2.71	9.00	5.98	19	clear
				2	2.64	9.00	5.96	18.8	clear
SW-28	10.46	19.91	0.55	0.5	0.277	8.70	7.08	4.3	clear
				1	0.294	8.60	6.95	5.2	clear
				1.5	0.300	8.60	6.88	4.6	clear
				2	0.306	8.60	6.84	2.1	clear
IW-3	14.11	48.73	5.5	5.5	- -	- -	- -	32	slightly cloudy
				10.9	0.409	12.00	7.46	11.4	clear
				15	0.414	11.70	7.59	6.1	clear
				20	0.418	11.30	7.66	3.3	clear
IW-8	18.72	71.2	8.66	9	0.446	10.70	6.89	7.74	clear
				18	0.484	10.80	7.17	8.18	clear
				27	0.495	10.90	7.27	3.32	clear
IW-9	18.72	116.2	15.59	16	0.302	11.10	7.70	7.02	clear
				31	0.317	11.00	7.83	2.21	clear
				45	0.325	10.70	7.96	2.1	clear

APPENDIX B

LABORATORY ANALYTICAL REPORT

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

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CRA INC.
DETROIT CHEMISTRY

ANALYTICAL REPORT

REVISED

PROJECT NO. 6124

HI-MILL

Lot #: A5E030256

Paul Wiseman (PM)

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

SEVERN TRENT LABORATORIES, INC

ORIGINAL ANALYTICAL REPORT
Project#: 6124 Lab#: ASE 030256
Name: Hi-Mill Manufacturing.

Description
Event: Annual GW Monitoring
Samples: 13 water (4.29-4.30)
Analysis: CLP VOCs.

TAT: Standard (14 days).
STL-DC

Denise D Heckler
Denise D. Heckler
Project Manager

Checked Against Preliminary Data:
Date: N/A Init.: N/A
Date of Validation Memo:
Invoice Approval Date:
Comments:

July 11, 2005

CASE NARRATIVE

5E03256

The following report contains the analytical results for twelve water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the HI-MILL Site, project number 6124. The samples were received May 03, 2005, according to documented sample acceptance procedures.

This SDG consists of (1) laboratory ID's: A5E030256.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Denise D. Heckler, at 734-205-2535.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 31.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 4.4°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

Sample(s) GW-6124-042905-BW-168 had elevated reporting limits due to foaming.

Two analyses were used to report the sample(s) GW-6124-042905-BW-166 and GW-6124-042905-170 due to high analyte concentrations.

EXECUTIVE SUMMARY - Detection Highlights

A5E030256

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-6124-042905-BW-166 04/29/05 16:30 001				
cis-1,2-Dichloroethene	3800	500	ug/L	OCLP OLC02.1
Methylene chloride	1100	500	ug/L	OCLP OLC02.1
1,1,1-Trichloroethane	1100	500	ug/L	OCLP OLC02.1
Trichloroethene	110000	5000	ug/L	OCLP OLC02.1
Trichloroethene	130000 E	500	ug/L	OCLP OLC02.1
GW-6124-042905-170 04/29/05 19:30 005				
cis-1,2-Dichloroethene	27	2.0	ug/L	OCLP OLC02.1
cis-1,2-Dichloroethene	28 E	1.0	ug/L	OCLP OLC02.1
Trichloroethene	1.6	1.0	ug/L	OCLP OLC02.1
GW-6124-043005-173 04/30/05 09:00 008				
cis-1,2-Dichloroethene	18	1.0	ug/L	OCLP OLC02.1

ANALYTICAL METHODS SUMMARY

A5E030256

PARAMETER	ANALYTICAL METHOD
Volatile Organics	OCLP OLC02.1

References:

OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY

A5B030256

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME
G9P6E	001	GW-6124-042905-BN-166	04/29/05	16:0
G9P65	002	GW-6124-042905-BN-167	04/29/05	17:0
G9P7D	003	GW-6124-042905-BN-168	04/29/05	17
G9P7J	004	GW-6124-042905-BN-169	04/29/05	18
G9P7N	005	GW-6124-042905-170	04/29/05	19:3
G9P7T	006	GW-6124-043005-BN-171	04/30/05	07:
G9P7V	007	GW-6124-043005-172	04/30/05	08
G9P7W	008	GW-6124-043005-173	04/30/05	09:0
G9P71	009	GW-6124-043005-174	04/30/05	10:0
G9P73	010	GW-6124-043005-BN-175	04/30/05	10
G9P76	011	GW-6124-043005-BN-176	04/30/05	11
G9P8P	012	TB-6124-177	04/30/05	
G9P8L	013	HOLD BLANK	05/03/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, paresity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SW-1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-BW-166

GC/MS Volatiles

Lot-Sample #...: A5E030256-001 **Work Order #...:** G9P6E1AA **Matrix.....:** WG
Date Sampled...: 04/29/05 16:30 **Date Received..:** 05/03/05
Prep Date.....: 05/09/05 **Analysis Date..:** 05/09/05
Prep Batch #...: 5129470
Dilution Factor: 5000 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	25000	ug/L
Benzene	ND	5000	ug/L
Bromodichloromethane	ND	5000	ug/L
Bromoform	ND	5000	ug/L
Bromomethane	ND	5000	ug/L
2-Butanone	ND	25000	ug/L
Carbon disulfide	ND	5000	ug/L
Carbon tetrachloride	ND	5000	ug/L
Chlorobenzene	ND	5000	ug/L
Chloroethane	ND	5000	ug/L
Chloroform	ND	5000	ug/L
Chloromethane	ND	5000	ug/L
Dibromochloromethane	ND	5000	ug/L
1,1-Dichloroethane	ND	5000	ug/L
1,2-Dichloroethane	ND	5000	ug/L
1,1-Dichloroethene	ND	5000	ug/L
cis-1,2-Dichloroethene	ND	5000	ug/L
trans-1,2-Dichloroethene	ND	5000	ug/L
1,2-Dichloropropane	ND	5000	ug/L
cis-1,3-Dichloropropene	ND	5000	ug/L
trans-1,3-Dichloropropene	ND	5000	ug/L
Ethylbenzene	ND	5000	ug/L
2-Hexanone	ND	25000	ug/L
Methylene chloride	ND	5000	ug/L
4-Methyl-2-pentanone	ND	25000	ug/L
Styrene	ND	5000	ug/L
1,1,2,2-Tetrachloroethane	ND	5000	ug/L
Tetrachloroethene	ND	5000	ug/L
Toluene	ND	5000	ug/L
1,1,1-Trichloroethane	ND	5000	ug/L
1,1,2-Trichloroethane	ND	5000	ug/L
Trichloroethene	**110000**	**5000**	**ug/L**
Vinyl chloride	ND	5000	ug/L
Xylenes (total)	ND	5000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(80 - 120)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-BW-166

GC/MS Volatiles

Lot-Sample #...: A5E030256-001 **Work Order #...:** G9P6E2AA **Matrix.....:** WG
Date Sampled...: 04/29/05 16:30 **Date Received..:** 05/03/05
Prep Date.....: 05/09/05 **Analysis Date..:** 05/09/05
Prep Batch #...: 5129470
Dilution Factor: 500 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	2500	ug/L
Benzene	ND	500	ug/L
Bromodichloromethane	ND	500	ug/L
Bromoform	ND	500	ug/L
Bromomethane	ND	500	ug/L
2-Butanone	ND	2500	ug/L
Carbon disulfide	ND	500	ug/L
Carbon tetrachloride	ND	500	ug/L
Chlorobenzene	ND	500	ug/L
Chloroethane	ND	500	ug/L
Chloroform	ND	500	ug/L
Chloromethane	ND	500	ug/L
Dibromochloromethane	ND	500	ug/L
1,1-Dichloroethane	ND	500	ug/L
1,2-Dichloroethane	ND	500	ug/L
1,1-Dichloroethene	ND	500	ug/L
cis-1,2-Dichloroethene	**3800**	**500**	**ug/L**
trans-1,2-Dichloroethene	ND	500	ug/L
1,2-Dichloropropane	ND	500	ug/L
cis-1,3-Dichloropropene	ND	500	ug/L
trans-1,3-Dichloropropene	ND	500	ug/L
Ethylbenzene	ND	500	ug/L
2-Hexanone	ND	2500	ug/L
Methylene chloride	**1100**	**500**	**ug/L**
4-Methyl-2-pentanone	ND	2500	ug/L
Styrene	ND	500	ug/L
1,1,2,2-Tetrachloroethane	ND	500	ug/L
Tetrachloroethene	ND	500	ug/L
Toluene	ND	500	ug/L
1,1,1-Trichloroethane	**1100**	**500**	**ug/L**
1,1,2-Trichloroethane	ND	500	ug/L
Trichloroethene	**130000 E**	**500**	**ug/L**
Vinyl chloride	ND	500	ug/L
Xylenes (total)	ND	500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(80 - 120)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SW-3

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-BW-167

GC/MS Volatiles

Lot-Sample #...: A5E030256-002 Work Order #...: G9P651AA Matrix.....: WG
Date Sampled...: 04/29/05 17:00 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(80 - 120)

SW-26A

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-BW-168

GC/MS Volatiles

Lot-Sample #...: A5E030256-003 Work Order #...: G9P7D1AA Matrix.....: WG
Date Sampled...: 04/29/05 17:30 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 2 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
2-Hexanone	ND	10	ug/L
Methylene chloride	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Styrene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(80 - 120)

NOTE(S):
Elevated reporting limits due to matrix interference

IW-3

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-BW-169

GC/MS Volatiles

Lot-Sample #...: A5E030256-004 **Work Order #...:** G9P7J1AA **Matrix.....:** WG
Date Sampled...: 04/29/05 18:45 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(80 - 120)

SW-10

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-170

GC/MS Volatiles

Lot-Sample #...: A5E030256-005 Work Order #...: G9P7N1AA Matrix.....: WG
Date Sampled...: 04/29/05 19:30 Date Received..: 05/03/05
Prep Date.....: 05/09/05 Analysis Date..: 05/09/05
Prep Batch #...: 5129470
Dilution Factor: 2 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
cis-1,2-Dichloroethene	**27**	**2.0**	**ug/L**
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
2-Hexanone	ND	10	ug/L
Methylene chloride	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Styrene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(80 - 120)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-042905-170

GC/MS Volatiles

Lot-Sample #...: A5E030256-005 **Work Order #...:** G9P7N2AA **Matrix.....:** WG
Date Sampled...: 04/29/05 19:30 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	**28 E**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.6**	**1.0**	**ug/L**
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(80 - 120)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SW-25

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-BW-171

GC/MS Volatiles

Lot-Sample #...: A5E030256-006 **Work Order #...:** G9P7T1AA **Matrix.....:** WG
Date Sampled...: 04/30/05 07:35 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	80 - 120)

SW-28

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-172

GC/MS Volatiles

Lot-Sample #...: A5E030256-007 **Work Order #...:** G9P7V1AA **Matrix.....:** WG
Date Sampled...: 04/30/05 08:18 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(80 - 120)

SW-27

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-173

GC/MS Volatiles

Lot-Sample #...: A5E030256-008 Work Order #...: G9P7W1AA Matrix.....: WG
Date Sampled...: 04/30/05 09:00 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	18	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(80 - 120)

IW-8

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-174

GC/MS Volatiles

Lot-Sample #...: A5E030256-009 **Work Order #...:** G9P711AA **Matrix.....:** WG
Date Sampled...: 04/30/05 10:00 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(80 - 120)

IW-8 Dup.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-BW-175

GC/MS Volatiles

Lot-Sample #...: A5E030256-010 **Work Order #...:** G9P731AA **Matrix.....:** WG
Date Sampled...: 04/30/05 10:02 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(80 - 120)

IW-9

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-043005-BW-176

GC/MS Volatiles

Lot-Sample #...: A5E030256-011 Work Order #...: G9P761AA Matrix.....: WG
Date Sampled...: 04/30/05 11:15 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(80 - 120)

TB

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TB-6124-177

GC/MS Volatiles

Lot-Sample #...: A5E030256-012 Work Order #...: G9P8F1AA Matrix.....: WQ
Date Sampled...: 04/30/05 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 Method.....: OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(80 - 120)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: HOLD BLANK

GC/MS Volatiles

Lot-Sample #...: A5E030256-013 **Work Order #...:** G9P8L1AA **Matrix.....:** WQ
Date Sampled...: 05/03/05 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(80 - 120)

STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E030256 **Work Order #...:** G95WC1AA **Matrix.....:** WATER
MB Lot-Sample #: A5E090000-470

Prep Date.....: 05/08/05
Analysis Date..: 05/08/05 **Prep Batch #...:** 5129470
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	OCLP OLC02.1
Benzene	ND	1.0	ug/L	OCLP OLC02.1
Bromodichloromethane	ND	1.0	ug/L	OCLP OLC02.1
Bromoform	ND	1.0	ug/L	OCLP OLC02.1
Bromomethane	ND	1.0	ug/L	OCLP OLC02.1
2-Butanone	ND	5.0	ug/L	OCLP OLC02.1
Carbon disulfide	ND	1.0	ug/L	OCLP OLC02.1
Carbon tetrachloride	ND	1.0	ug/L	OCLP OLC02.1
Chlorobenzene	ND	1.0	ug/L	OCLP OLC02.1
Chloroethane	ND	1.0	ug/L	OCLP OLC02.1
Chloroform	ND	1.0	ug/L	OCLP OLC02.1
Chloromethane	ND	1.0	ug/L	OCLP OLC02.1
Dibromochloromethane	ND	1.0	ug/L	OCLP OLC02.1
1,1-Dichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,2-Dichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,1-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
cis-1,2-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
1,2-Dichloropropane	ND	1.0	ug/L	OCLP OLC02.1
cis-1,3-Dichloropropene	ND	1.0	ug/L	OCLP OLC02.1
trans-1,3-Dichloropropene	ND	1.0	ug/L	OCLP OLC02.1
Ethylbenzene	ND	1.0	ug/L	OCLP OLC02.1
2-Hexanone	ND	5.0	ug/L	OCLP OLC02.1
Methylene chloride	ND	1.0	ug/L	OCLP OLC02.1
4-Methyl-2-pentanone	ND	5.0	ug/L	OCLP OLC02.1
Styrene	ND	1.0	ug/L	OCLP OLC02.1
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	OCLP OLC02.1
Tetrachloroethene	ND	1.0	ug/L	OCLP OLC02.1
Toluene	ND	1.0	ug/L	OCLP OLC02.1
1,1,1-Trichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,1,2-Trichloroethane	ND	1.0	ug/L	OCLP OLC02.1
Trichloroethene	ND	1.0	ug/L	OCLP OLC02.1
Vinyl chloride	ND	1.0	ug/L	OCLP OLC02.1
Xylenes (total)	ND	1.0	ug/L	OCLP OLC02.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E030256 **Work Order #...:** G95MC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A5E090000-470
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	5.0	4.9	ug/L	98	OCLP OLC02
Bromoform	5.0	4.8	ug/L	96	OCLP OLC02
Carbon tetrachloride	5.0	4.9	ug/L	97	OCLP OLC02
1,2-Dichloroethane	5.0	5.0	ug/L	99	OCLP OLC02
1,2-Dichloropropane	5.0	5.0	ug/L	101	OCLP OLC02
cis-1,3-Dichloropropene	5.0	4.9	ug/L	98	OCLP OLC02
Tetrachloroethene	5.0	5.2	ug/L	104	OCLP OLC02
1,1,2-Trichloroethane	5.0	4.9	ug/L	99	OCLP OLC02
Trichloroethene	5.0	5.3	ug/L	105	OCLP OLC02
Vinyl chloride	5.0	3.9	ug/L	79	OCLP OLC02

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E030256 **Work Order #...:** G95WC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A5E090000-470
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**98**	**(60 - 140)**	**OCLP OLC02.1**
Bromoform	**96**	**(60 - 140)**	**OCLP OLC02.1**
Carbon tetrachloride	**97**	**(60 - 140)**	**OCLP OLC02.1**
1,2-Dichloroethane	**99**	**(60 - 140)**	**OCLP OLC02.1**
1,2-Dichloropropane	**101**	**(60 - 140)**	**OCLP OLC02.1**
cis-1,3-Dichloropropene	**98**	**(60 - 140)**	**OCLP OLC02.1**
Tetrachloroethene	**104**	**(60 - 140)**	**OCLP OLC02.1**
1,1,2-Trichloroethane	**99**	**(60 - 140)**	**OCLP OLC02.1**
Trichloroethene	**105**	**(60 - 140)**	**OCLP OLC02.1**
Vinyl chloride	**79**	**(60 - 140)**	**OCLP OLC02.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E030256 **Work Order #...:** G9P761AC-MS **Matrix.....:** WG
MS Lot-Sample #: A5E030256-011 G9P761AD-MSD
Date Sampled...: 04/30/05 11:15 **Date Received..:** 05/03/05
Prep Date.....: 05/08/05 **Analysis Date..:** 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	5.0	4.8	ug/L	95		OCLP OLC02.1
	ND	5.0	4.9	ug/L	98	2.6	OCLP OLC02.1
Bromoform	ND	5.0	4.5	ug/L	90		OCLP OLC02.1
	ND	5.0	4.3	ug/L	86	5.3	OCLP OLC02.1
Carbon tetrachloride	ND	5.0	4.7	ug/L	94		OCLP OLC02.1
	ND	5.0	4.1	ug/L	83	12	OCLP OLC02.1
1,2-Dichloroethane	ND	5.0	5.1	ug/L	102		OCLP OLC02.1
	ND	5.0	5.4	ug/L	109	6.9	OCLP OLC02.1
1,2-Dichloropropane	ND	5.0	5.1	ug/L	102		OCLP OLC02.1
	ND	5.0	5.1	ug/L	103	0.78	OCLP OLC02.1
cis-1,3-Dichloropropene	ND	5.0	4.1	ug/L	82		OCLP OLC02.1
	ND	5.0	4.1	ug/L	83	0.58	OCLP OLC02.1
Tetrachloroethene	ND	5.0	5.1	ug/L	102		OCLP OLC02.1
	ND	5.0	4.8	ug/L	96	6.5	OCLP OLC02.1
1,1,2-Trichloroethane	ND	5.0	5.2	ug/L	104		OCLP OLC02.1
	ND	5.0	5.2	ug/L	103	0.57	OCLP OLC02.1
Trichloroethene	ND	5.0	5.3	ug/L	105		OCLP OLC02.1
	ND	5.0	5.1	ug/L	101	4.0	OCLP OLC02.1
Vinyl chloride	ND	5.0	4.0	ug/L	81		OCLP OLC02.1
	ND	5.0	4.1	ug/L	83	2.6	OCLP OLC02.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(80 - 120)
	98	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E030256 Work Order #...: G9P761AC-MS Matrix.....: WG
MS Lot-Sample #: A5E030256-011 G9P761AD-MSD
Date Sampled...: 04/30/05 11:15 Date Received..: 05/03/05
Prep Date.....: 05/08/05 Analysis Date..: 05/08/05
Prep Batch #...: 5129470
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	95	(60 - 140)			OCLP OLC02.1
	98	(60 - 140)	2.6	(0-20)	OCLP OLC02.1
Bromoform	90	(60 - 140)			OCLP OLC02.1
	86	(60 - 140)	5.3	(0-20)	OCLP OLC02.1
Carbon tetrachloride	94	(60 - 140)			OCLP OLC02.1
	83	(60 - 140)	12	(0-20)	OCLP OLC02.1
1,2-Dichloroethane	102	(60 - 140)			OCLP OLC02.1
	109	(60 - 140)	6.9	(0-20)	OCLP OLC02.1
1,2-Dichloropropane	102	(60 - 140)			OCLP OLC02.1
	103	(60 - 140)	0.78	(0-20)	OCLP OLC02.1
cis-1,3-Dichloropropene	82	(60 - 140)			OCLP OLC02.1
	83	(60 - 140)	0.58	(0-20)	OCLP OLC02.1
Tetrachloroethene	102	(60 - 140)			OCLP OLC02.1
	96	(60 - 140)	6.5	(0-20)	OCLP OLC02.1
1,1,2-Trichloroethane	104	(60 - 140)			OCLP OLC02.1
	103	(60 - 140)	0.57	(0-20)	OCLP OLC02.1
Trichloroethene	105	(60 - 140)			OCLP OLC02.1
	101	(60 - 140)	4.0	(0-20)	OCLP OLC02.1
Vinyl chloride	81	(60 - 140)			OCLP OLC02.1
	83	(60 - 140)	2.6	(0-20)	OCLP OLC02.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(80 - 120)
	98	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
14496 Sheldon Road, Suite 200
Plymouth, MI 48170 • (734) 453-5123

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): STL

REFERENCE NUMBER: 6124

PROJECT NAME: Hi-Mill

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Barb Williams

SEQ. No.	DATE	TIME		SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: Full TCL VOC	REMARKS: 2wk TAT
	4/29/05	1630	GW · 6124-042905- BW 166	H2O	3	X	run methods diluted
		1700	167		3	X	
		1730	168		3	X	
		1845	169		3	X	
		1930	170		3	X	
	4/30/05	0735	GW · 6124 · 043005 - BW - 171		3	X	
		0848	172		3	X	
		0900	173		3	X	
		1000	174		3	X	
		1002	175		3	X	
		1115	176		9	X	MSMSD
			TB - 6124 - 177		1	Y	
TOTAL NUMBER OF CONTAINERS							

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
1. [signature]	TIME: 1700	1.	TIME:
RELINQUISHED BY: 2.	DATE: TIME:	RECEIVED BY: 2.	DATE: TIME:
RELINQUISHED BY: 3.	DATE: TIME:	RECEIVED BY: 1.	DATE: TIME:

METHOD OF SHIPMENT: Fed-Ex AIR BILL No.

White - Fully Executed Copy; Yellow - Receiving Laboratory Copy; Pink - Shipper Copy; Goldenrod - Sampler Copy

28615

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY: [signature]
DATE: 5/3/05 TIME: 945

1001 (FORMS)-APRIL 29, 93-REV.0-(C)(F-01)

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** ASE030256
North Canton Facility

Client: CFA Project: Hi-Mill Quote#: 164285
Cooler Received on: 5/3/05 Opened on: 5/3/05 by: [signature] (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: _____
STL Cooler No# 080105 Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☑ Relinquished by client? Yes ☑ No ☑
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☑ None ☐ Other: _____
6. Cooler temperature upon receipt 4.4 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning: _____

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev47 042705.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

END OF REPORT

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

RECEIVED
JUL 12 2005
CRA SDG 05-33
CRA INC
DETROIT CHEMISTRY

ANALYTICAL REPORT

REVISED

PROJECT NO. 6124

HI-MILL

Lot #: A5E060202

Paul Wiseman (PM)

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

ORIGINAL ANALYTICAL REPORT
Project#: 6124 Lab#: A5E060202
Name: HI-MILL
Description
Event: Annual GW Monitoring
Samples: 3 waters 5.5.05
Analysis: CLP VOC
TAT: Standard (14 days).
Lab: STL-NC
Checked Against Preliminary Data:
Date: n/a Init.: n/a.
Date of Validation Memo:
Invoice Approval Date:
Comments:

SEVERN TRENT LABORATORIES, INC.

Denise D Heckler

Denise D. Heckler
Project Manager

July 11, 2005

CASE NARRATIVE
5E06202

The following report contains the analytical results for two water samples and one quality control sample submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the HI-MILL Site, project number 6124. The samples were received May 06, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Denise D. Heckler, at 734-205-2535.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 15.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 5.4°C.

GC/MS VOLATILES

The analytical results met the requirements of the laboratory's QA/QC program.

EXECUTIVE SUMMARY - Detection Highlights

A5E060202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-6124-050505-BW-178 05/05/05 07:30	001			
Trichloroethene	16000	1200	ug/L	OCLP OLC02.1

ANALYTICAL METHODS SUMMARY

A5E060202

PARAMETER	ANALYTICAL METHOD
Volatile Organics	OCLP OLC02.1

References:

OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY

A5E060202

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAM TI
G91RP	001	GW-6124-050505-BW-178	05/05/05	07:
G91TN	002	TB-6124-179	05/05/05	
G91TR	003	HLDBLK	05/05/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SW-24

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-6124-050505-BW-178

GC/MS Volatiles

Lot-Sample #...: A5E060202-001 **Work Order #...:** G91RP1AA **Matrix.....:** WG
Date Sampled...: 05/05/05 07:30 **Date Received..:** 05/06/05
Prep Date.....: 05/11/05 **Analysis Date..:** 05/11/05
Prep Batch #...: 5132420
Dilution Factor: 1250 **Method.....:** OCLP OLC02.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	6200	ug/L
Benzene	ND	1200	ug/L
Bromodichloromethane	ND	1200	ug/L
Bromoform	ND	1200	ug/L
Bromomethane	ND	1200	ug/L
2-Butanone	ND	6200	ug/L
Carbon disulfide	ND	1200	ug/L
Carbon tetrachloride	ND	1200	ug/L
Chlorobenzene	ND	1200	ug/L
Chloroethane	ND	1200	ug/L
Chloroform	ND	1200	ug/L
Chloromethane	ND	1200	ug/L
Dibromochloromethane	ND	1200	ug/L
1,1-Dichloroethane	ND	1200	ug/L
1,2-Dichloroethane	ND	1200	ug/L
1,1-Dichloroethene	ND	1200	ug/L
cis-1,2-Dichloroethene	ND	1200	ug/L
trans-1,2-Dichloroethene	ND	1200	ug/L
1,2-Dichloropropane	ND	1200	ug/L
cis-1,3-Dichloropropene	ND	1200	ug/L
trans-1,3-Dichloropropene	ND	1200	ug/L
Ethylbenzene	ND	1200	ug/L
2-Hexanone	ND	6200	ug/L
Methylene chloride	ND	1200	ug/L
4-Methyl-2-pentanone	ND	6200	ug/L
Styrene	ND	1200	ug/L
1,1,2,2-Tetrachloroethane	ND	1200	ug/L
Tetrachloroethene	ND	1200	ug/L
Toluene	ND	1200	ug/L
1,1,1-Trichloroethane	ND	1200	ug/L
1,1,2-Trichloroethane	ND	1200	ug/L
Trichloroethene	**16000**	**1200**	**ug/L**
Vinyl chloride	ND	1200	ug/L
Xylenes (total)	ND	1200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(80 - 120)

TB

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TB-6124-179

GC/MS Volatiles

Lot-Sample #...:	A5E060202-002	Work Order #...:	G91TN1AA	Matrix.....:	WQ
Date Sampled...:	05/05/05	Date Received..:	05/06/05		
Prep Date.....:	05/11/05	Analysis Date..:	05/11/05		
Prep Batch #...:	5132420				
Dilution Factor:	1	Method.....:	OCLP OLC02.1		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(80 - 120)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: HLDBLK

GC/MS Volatiles

Lot-Sample #...:	A5E060202-003	Work Order #...:	G91TR1AA	Matrix.....:	WQ
Date Sampled...:	05/05/05	Date Received..:	05/06/05		
Prep Date.....:	05/11/05	Analysis Date..:	05/11/05		
Prep Batch #...:	5132420				
Dilution Factor:	1	Method.....:	OCLP OLC02.1		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Methylene chloride	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	97	(80 - 120)

STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5E060202 Work Order #...: HAEPM1AA Matrix.....: WATER
MB Lot-Sample #: A5E120000-420

Prep Date.....: 05/11/05
Analysis Date..: 05/11/05 Prep Batch #...: 5132420
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	OCLP OLC02.1
Benzene	ND	1.0	ug/L	OCLP OLC02.1
Bromodichloromethane	ND	1.0	ug/L	OCLP OLC02.1
Bromoform	ND	1.0	ug/L	OCLP OLC02.1
Bromomethane	ND	1.0	ug/L	OCLP OLC02.1
2-Butanone	ND	5.0	ug/L	OCLP OLC02.1
Carbon disulfide	ND	1.0	ug/L	OCLP OLC02.1
Carbon tetrachloride	ND	1.0	ug/L	OCLP OLC02.1
Chlorobenzene	ND	1.0	ug/L	OCLP OLC02.1
Chloroethane	ND	1.0	ug/L	OCLP OLC02.1
Chloroform	ND	1.0	ug/L	OCLP OLC02.1
Chloromethane	ND	1.0	ug/L	OCLP OLC02.1
Dibromochloromethane	ND	1.0	ug/L	OCLP OLC02.1
1,1-Dichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,2-Dichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,1-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
cis-1,2-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
trans-1,2-Dichloroethene	ND	1.0	ug/L	OCLP OLC02.1
1,2-Dichloropropane	ND	1.0	ug/L	OCLP OLC02.1
cis-1,3-Dichloropropene	ND	1.0	ug/L	OCLP OLC02.1
trans-1,3-Dichloropropene	ND	1.0	ug/L	OCLP OLC02.1
Ethylbenzene	ND	1.0	ug/L	OCLP OLC02.1
2-Hexanone	ND	5.0	ug/L	OCLP OLC02.1
Methylene chloride	ND	1.0	ug/L	OCLP OLC02.1
4-Methyl-2-pentanone	ND	5.0	ug/L	OCLP OLC02.1
Styrene	ND	1.0	ug/L	OCLP OLC02.1
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	OCLP OLC02.1
Tetrachloroethene	ND	1.0	ug/L	OCLP OLC02.1
Toluene	ND	1.0	ug/L	OCLP OLC02.1
1,1,1-Trichloroethane	ND	1.0	ug/L	OCLP OLC02.1
1,1,2-Trichloroethane	ND	1.0	ug/L	OCLP OLC02.1
Trichloroethene	ND	1.0	ug/L	OCLP OLC02.1
Vinyl chloride	ND	1.0	ug/L	OCLP OLC02.1
Xylenes (total)	ND	1.0	ug/L	OCLP OLC02.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5E060202 **Work Order #...:** HAEPM1AC **Matrix.....:** WATER
LCS Lot-Sample#: A5E120000-420
Prep Date.....: 05/11/05 **Analysis Date..:** 05/11/05
Prep Batch #...: 5132420
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	5.0	4.7	ug/L	93	OCLP OLC02
Bromoform	5.0	5.3	ug/L	105	OCLP OLC02
Carbon tetrachloride	5.0	4.9	ug/L	98	OCLP OLC02
1,2-Dichloroethane	5.0	4.9	ug/L	99	OCLP OLC02
1,2-Dichloropropane	5.0	4.8	ug/L	96	OCLP OLC02
cis-1,3-Dichloropropene	5.0	4.6	ug/L	91	OCLP OLC02
Tetrachloroethene	5.0	4.5	ug/L	91	OCLP OLC02
1,1,2-Trichloroethane	5.0	4.6	ug/L	91	OCLP OLC02
Trichloroethene	5.0	4.5	ug/L	90	OCLP OLC02
Vinyl chloride	5.0	4.1	ug/L	82	OCLP OLC02

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5E060202 Work Order #...: HAEPM1AC Matrix.....: WATER
LCS Lot-Sample#: A5E120000-420
Prep Date.....: 05/11/05 Analysis Date..: 05/11/05
Prep Batch #...: 5132420
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	93	(60 - 140)	OCLP OLC02.1
Bromoform	105	(60 - 140)	OCLP OLC02.1
Carbon tetrachloride	98	(60 - 140)	OCLP OLC02.1
1,2-Dichloroethane	99	(60 - 140)	OCLP OLC02.1
1,2-Dichloropropane	96	(60 - 140)	OCLP OLC02.1
cis-1,3-Dichloropropene	91	(60 - 140)	OCLP OLC02.1
Tetrachloroethene	91	(60 - 140)	OCLP OLC02.1
1,1,2-Trichloroethane	91	(60 - 140)	OCLP OLC02.1
Trichloroethene	90	(60 - 140)	OCLP OLC02.1
Vinyl chloride	82	(60 - 140)	OCLP OLC02.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
14496 Sheldon Road, Suite 200
Plymouth, MI 48170 • (734) 453-5123

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): STL

REFERENCE NUMBER: 6124

PROJECT NAME: Hi-Mill

SAMPLER'S SIGNATURE: [signature]

PRINTED NAME: BART Williams

SEQ: No.	DATE	TIME		SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS Full VOC	REMARKS 2wkTAT
	5/5/05	0730	GW 6124-050505-BW 178	H2O	4	✓	run multiple d-lot
	↓	NA	TB-6124-179	1	1	✓	

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY: 1. [signature]	DATE: 5/5/05 TIME: 1830	RECEIVED BY: 1.	DATE: TIME:
RELINQUISHED BY: 2.	DATE: TIME:	RECEIVED BY: 2.	DATE: TIME:
RELINQUISHED BY: 3.	DATE: TIME:	RECEIVED BY: 1.	DATE: TIME:

METHOD OF SHIPMENT: Fedex

AIR BILL No.

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY: [signature]
DATE: 5/6/05 TIME: 9:50

28318

1001 (FORMS)-APRIL 29, 93-REV.0-(C)(F-01)

STL North Canton

STL Cooler Receipt Form/Narrative Lot Number: 15E060202
North Canton Facility

Client: CRA Project: Quote#:
Cooler Received on: 5/16/03 Opened on: 5/16/03 by: Diana Mitev (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:
STL Cooler No# Foam Box ☐ Client Cooler ☑ Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☑ Intact? Yes ☐ No ☐ NA ☑
   If YES, Quantity
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☑ None ☐ Other :
6. Cooler temperature upon receipt 5.4 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☑ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☑
10. Were correct bottles used for the tests indicated? Yes ☑ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☑ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred:
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 030905-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -100504-NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials

SEVERN TRENT STL

END OF REPORT

APPENDIX C

DATA VALIDATION REPORT

CONESTOGA-ROVERS & ASSOCIATES

14496 Sheldon Road, Suite #200
Plymouth, Michigan 48170
Telephone: (734) 453-5123 Fax: (734) 453-5201
www.CRAworld.com

MEMORANDUM

TO: Jamie Puskas

REF. NO.: 6124

FROM: Kathy Shaw/tl/74/Det

DATE: July 13, 2005

RE: Data Quality Assessment and Validation
Quarterly Groundwater Sampling
Hi Mill Manufacturing Site – Highland Township, Michigan

The following details a quality assessment and validation of the analytical data resulting from the April and May 2005, collection of 11 groundwater and three (3) quality control samples from the Hi Mill Manufacturing Site in Highland Township, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories, Inc. in North Canton, Ohio (STL) in accordance with Method OLC02.1, from "USEPA Contact Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration". with the methodologies presented in Table 2. The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP).[1]

Sample Quantitation

The volatile organic compounds (VOC) sample analysis resulted in a number of concentrations reported in excess of the calibration range, which were flagged by the laboratory with an "E". These concentrations should be qualified as estimated (J) concentrations and should not be reported. The analytes with concentrations in excess of the calibration range were reanalyzed at appropriate dilutions; these values should be reported.

Holding Time Period and Sample Analysis

The holding time periods for VOC analysis is 14 days from sample collection until completion of analysis. The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by STL, were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no laboratory-attributable contamination occurred.

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[1] Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994.

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REGISTERED COMPANY ISO 9001 ENGINEERING DESIGN

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The sample selected for MS/MSD analysis is identified in Table 1. The MS/MSD percent recoveries and associate RPDs acceptance criteria were met for all analyses.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set and two (2) trip blank samples.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. No targeted analytes were reported as detected in the field duplicate sample set.

To monitor potential cross-contamination of VOC during aqueous sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples. No target analytes were reported as detected in the trip blank samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE KEY
APRIL 2005 GROUNDWATER SAMPLING EVENT
HI-MILL MANUFACTURING
HIGHLAND TOWNSHIP, MICHIGAN

Sample Identification	*Sample Location*	*Matrix*	*QC*	*Parameter*
GW-6124-042905-BW-166	SW-1	Water		TCL VOC
GW-6124-042905-BW-167	SW-3	Water		TCL VOC
GW-6124-042905-BW-168	SW-26	Water		TCL VOC
GW-6124-042905-BW-169	IW-3	Water		TCL VOC
GW-6124-042905-BW-170	SW-10	Water		TCL VOC
GW-6124-043005-BW-171	SW-25	Water		TCL VOC
GW-6124-043005-BW-172	SW-28	Water		TCL VOC
GW-6124-043005-BW-173	SW-27	Water		TCL VOC
GW-6124-043005-BW-174	IW-8	Water		TCL VOC
GW-6124-043005-BW-175	IW-8	Water	Duplicate (174)	TCL VOC
GW-6124-043005-BW-176	IW-9	Water	MS/MSD	TCL VOC
TB-6124-177	-	Water	Trip Blank	TCL VOC
GW-6124-050505-BW-178	SW-24	Water		TCL VOC
TB-6124-179	-	Water	Trip Blank	TCL VOC

TCL - Target Compound List
VOC - Volatile Organic Compounds
MS/MSD - Matrix Spike/Matrix Spike Duplicate
QC - Quality Control