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Associates

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REPORT ON

JULY 1997 QUARTERLY GROUNDWATER MONITORING EVENT AND SUMMARY OF OFF-SITE AND ON-SITE GROUNDWATER EXTRACTION SYSTEM OPERATION TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY WHEATFIELD, NEW YORK

Submitted to:

Textron Inc.
40 Westminster Street
Providence, Rhode Island, 02903-6028

DISTRIBUTION:

8 Copies - Ms. Leslie Alden - Textron Inc.; Providence, Rhode Island
1 Copy - Golder Associates Inc.; Buffalo, New York

October 1997

973-9158

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October 28, 1997

973-9158

Textron Inc.
40 Westminster Street
Providence, Rhode Island, 02903-6028

Attention: Ms. Leslie Alden

RE: REPORT ON JULY 1997 QUARTERLY GROUNDWATER MONITORING EVENT AND SUMMARY OF OFF-SITE AND ON-SITE GROUNDWATER EXTRACTION SYSTEM OPERATION, TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY, WHEATFIELD, NEW YORK

Dear Ms. Alden:

Golder Associates Inc. (Golder Associates) is pleased to submit the above referenced report on the July 1997 Quarterly Groundwater Monitoring Event and Summary of the Off-Site and On-Site Groundwater Extraction System Operation. This report presents the results of the groundwater quality sampling activities conducted for the Textron Realty Operations (Wheatfield) Inc. (TRO) facility located in Wheatfield, New York, during July 1997. This report also presents a summary of the performance of the Off-Site Groundwater Extraction System and the On-Site Groundwater Extraction and Pre-Treatment System from June 1997 through August 1997.

As required, Golder Associates is providing as an enclosure to this report, computer diskettes containing the laboratory analytical data in comma delimited, ASCII format, and the hydraulic monitoring data in Excel® format.

Golder Associates appreciates the opportunity to provide continuing professional engineering services to Textron. If you have any questions regarding this draft report, please do not hesitate to call.

Very truly yours,

GOLDER ASSOCIATES INC.

Anthony L. Grasso, P.G.
Office Manager/Associate

ALG:dml

Attachments

F/N: FINQTR.DOC

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

1. INTRODUCTION

1.1 Background

This draft report provides the results of the July 1997 Quarterly groundwater sampling activities conducted at the Textron Realty Operations (Wheatfield), Inc. (TRO) facility (formerly Bell Aerospace Textron) located in Wheatfield, New York. In addition, this draft report presents a summary of the system operations for the Off-Site Groundwater Extraction System (Off-Site System) and On-Site Groundwater Extraction and Pre-Treatment System (On-Site System), during the period between June 1997 through August 1997 (quarter).

The field procedures and analytical methods for the sampling program were conducted in accordance with the Revised Ground Water Monitoring Plan (GWMP) (Golder Associates Inc., (Golder Associates) February 1993) and the Corrective Measures Implementation Plan for the On-Site Groundwater Extraction System (Golder Associates, March 1993). The specific sampling locations and frequency of sampling, as well as hydraulic measurements, were conducted in accordance with the On-Site and Off-Site effectiveness monitoring program as outlined in the Annual Summary and System Performance Off-Site and On-Site Ground Water Extraction Systems Report (Annual Report) (Golder Associates, March 1996) and approved by the New York State Department of Environmental Conservation (NYSDEC).

The summary of the operational results of the Off-Site and On-Site System during this Quarter is presented herein in accordance with TRO's NYSDEC Title 6 New York Code of Rules and Regulations (6NYCRR) Part 373 Post-Closure Permit, effective September 14, 1992 (Permit No. 9-2940-00001/0000790). The summary of system operations for both the On-Site and Off-Site System is for the period from June 1, 1997 through August 31, 1997.

1.2 Scope of Report and Organization

Section 1.0 provides an overview of the project and provides the organizational structure of the report. Section 2.0 provides an overview of the field sampling activities regarding the hydraulic monitoring measurements, the groundwater monitoring well sampling, and groundwater extraction well sampling procedures. Section 3.0 provides an overview of the laboratory analytical methodologies and results; Section 4.0 provides an overview of the Off-Site and On-Site System operations for the quarter; and Section 5.0 provides a brief summary of the hydraulic monitoring data, the laboratory data, and Off-Site and On-Site System operations.

2. FIELD SAMPLING ACTIVITIES

2.1 General

Field sampling activities were performed by Golder Associates personnel according to the procedures detailed in the GWMP. Quarterly groundwater monitoring was performed on July 22, 1997 and July 23, 1997, for the 14 monitoring wells and 3 extraction wells listed in Table 1 and shown on Figure 1. In addition, monitoring well 87-20(0) was sampled during this quarter because a constricted riser prevented the sampling of this well during the previous (April Quarterly and Semi-Annual) groundwater monitoring event. Hydraulic monitoring was performed on July 21, 1997 (prior to the sampling activities) for the monitoring wells listed in Table 2. The following sections provide a discussion of the field activities and procedures associated with the hydraulic monitoring and groundwater sampling programs.

2.2 Hydraulic Monitoring

Golder Associates personnel performed hydraulic monitoring activities on the wells listed in Table 2. Groundwater elevations were measured at each monitoring well using an electronic water level meter. Groundwater elevations were recorded from the in-vault displays in each extraction well, which are routinely calibrated during the week prior to the quarterly monitoring event. A summary of the water level measurements obtained during July 1997 is presented in Table 2. In addition, the water level elevations from the Zone 1 wells (as listed in Table 2) during the quarter are presented on Figures 2 and 3.

2.3 Monitoring Well Sampling

The July 1997 Quarterly Groundwater Monitoring Event (July 1997 Monitoring Event) consisted of sampling 14 monitoring wells as listed in Table 1 plus monitoring well 87-20(0). The locations of these wells are referenced on Figure 1. Monitoring well 87-20(0) was scheduled to be sampled last quarter, however, the riser was found to be constricted and would not allow the sampling bailer to pass the constricted area, though the water

level recorder passed without incident. A small diameter stainless steel bailer was dedicated to monitoring well 87-20(0) and the well was sampled this quarter. See Section 4.4 for additional details.

The physical integrity of each well was initially inspected prior to sampling. The air inside the riser pipe, as well as the ambient air in the breathing zone, were monitored using an organic vapor monitor (OVM) equipped with a photoionization detector (PID) for volatile organic compounds (VOCs) prior to, and during well evacuation. No detections of VOCs over 5 parts per million (ppm) were noted in the breathing zone during sampling. Water level measurements were recorded and the volume of standing water in the well was calculated. Three (3) times the calculated volume was purged from each well, or the well was purged until it was deemed "dry", by utilizing a dedicated stainless steel bailer or peristaltic pump with dedicated polyethylene (PE) tubing. All purge water was collected and transported to TRO for proper disposition. The groundwater quality was monitored during purging and sampling by obtaining readings for pH, specific conductance, and temperature. Sample Collection Information Forms detailing the field observations for each well are provided in Appendix A and the results are summarized in Table 3.

The samples collected were analyzed for VOCs using United States Environmental Protection Agency (USEPA) SW-846 Method 8260 (Method 8260) as specified in Table 1. Each sample was immediately put into a cooler filled with ice to maintain the sample at an approximate temperature of 4 degrees Celsius (°C). The samples were then shipped under chain-of-custody procedures to Friend Laboratory, Inc. (FLI) of Waverly, New York, via overnight carrier. The chain-of-custody forms are provided in Appendix B.

2.4 Extraction Well Sampling

The sampling of three extraction wells (EW-6, EW-7 and EW-8) was accomplished on July 22, 1997. The location of each extraction well is shown on Figure 1. Sampling of, and entry into each of the extraction wells was conducted according to procedures

outlined in the GWMP and in accordance with applicable Occupational Safety and Health Administration confined space entry regulations (29 CFR 1910.146). Each extraction well was inspected prior to entering to ensure that the vault entranceway was free of obstructions. The ambient air inside the vaults was analyzed for lower explosive limit, oxygen deficiency, hydrogen sulfide, and carbon monoxide using a multi-gas meter prior to entry. The VOC concentrations in each vault were analyzed using an OVM prior to entry. Readings of ambient air quality greater than background concentrations were recorded. During the sampling of all extraction wells, the submersible pump in each extraction well was allowed to operate for at least five (5) minutes prior to sample collection, in order to obtain a representative aliquot of groundwater. Dedicated tubing attached to each well's sampling port was purged for approximately one (1) minute prior to collection. Groundwater quality was monitored during purging and sampling by obtaining readings for pH, specific conductance, and temperature. A Sample Collection Information Form detailing the field observations and measurements for each well is provided in Appendix A and the results are summarized in Table 3.

During sampling, each sample was immediately placed in a cooler with ice in order to maintain the sample at an approximate temperature of 4°C. The samples were then shipped under chain-of-custody procedures to FLI via overnight carrier for analysis. Chain-of-custody forms are provided in Appendix B. The samples collected from the extraction wells were analyzed for VOCs only using USEPA Method 8260.

3. LABORATORY ANALYTICAL METHODS AND RESULTS

3.1 Analytical Methods

All groundwater samples collected were analyzed for VOCs only, using USEPA Method 8260.

3.2 Analytical Results

A summary of detected compounds for the July 1997 Monitoring Event is presented in Table 4. A copy of the laboratory analytical data report from each sampling point, as well as the associated quality assurance/quality control (QA/QC) data, are presented in Appendix C.

3.3 QA/QC Samples

Two laboratory prepared trip blanks (TB1 and TB2) accompanied the shipment of samples and were analyzed for VOCs using USEPA Method 8260. In addition, one field blank (FB-01) was prepared and analyzed. Also, one duplicate sample was collected and analyzed, sample identification (ID)-BAT87021DUP (monitoring well 87-02(1)). A Matrix spike and matrix spike duplicate (MS/MSD) sample were also collected from monitoring well 93-03(1). All method-specific QA/QC blanks and samples were analyzed for VOCs using USEPA Method 8260. Results of these QA/QC samples are presented in Appendix C.

3.4 Data Review

The data review employed for this project consisted of verifying that analytical holding times were not exceeded, review of the data to insure QA/QC criteria specific to the method had been met, and a review of the MS/MSD and duplicate results.

All holding times, method specific QA/QC criteria, MS/MSD, and duplicate results were acceptable for the July 1997 Monitoring Event. The field blank, sample BATFB01,

contained detections of Methylene Chloride at 14 ug/L and Chloroform at 0.6 ug/L. These detections could indicate that the sampling environment (excluding the groundwater) contained these compounds, however, nothing noted during the sampling event was an obvious source of these two compounds. More likely, these detections are an artifact of sample analysis, as both compounds are common laboratory solvents. QA/QC criteria associated with the July 1997 Monitoring Event are further discussed in the FLI report, as presented in Appendix C. The data are considered to be acceptable and usable as presented herein.

3.5 Data Deliverables

The analytical data presented in Appendix C have been provided on computer diskette in ASCII comma delimited format, as an enclosure to this report. A hard copy of this ASCII file is provided in Appendix D. The format of the ASCII file has been set up as follows:

LAB ID, ORIGIN, DATE SAMPLED, ANALYTE, RESULT, PQL

Where:

LAB ID	=	FLI laboratory sample identification number;
ORIGIN	=	Golder Associates sample identification number;
DATE SAMPLED	=	Date sampled;
ANALYTE	=	Specific VOC analyte analyzed according to Method 8260;
RESULT	=	Concentration in mg/L or, if non-detected, the practical quantitation limit is listed; and
PQL	=	Practical quantitation limit.

4. SUMMARY OF OFF-SITE AND ON-SITE EXTRACTION SYSTEM OPERATIONS

4.1 Review of Off-Site and On-Site System Operations

4.1.1 Off-Site System

There were no operational changes made to the Off-Site System during the quarter. During this quarter the pumping rate for the Off-Site extraction system ranged between 31,376 and 66,897 gallons per day (gpd). The pumping rate for well EW-2 ranged from 23 gallons per minute (gpm) to 24 gpm, the pumping rate for well EW-3 averaged 12 gpm, and the pumping rates for wells EW-4 and EW-5 averaged 9.5 gpm.

4.1.2 On-Site System

During this quarter, the treatment plant was shut-down on four (4) occasions for operation and maintenance (O&M). The plant was shut-down for approximately 2 hours on July 30, 1997, because of a failure of the instrument air system. From August 3 to August 6, 1997, the plant was shut-down for 70 hours to perform scheduled, routine O&M activities. From August 7 to August 9, 1997, the plant was shut-down for 49 hours because of a feed pump motor failure. Lastly, the treatment plant was shut-down for approximately 24 hours on August 8 and 9, 1997, because the air compressor required repair.

Many of the individual extraction well pumps were cleaned between June 23 and 26, 1997, without requiring the entire system to be shut down. Extraction wells EW-7 and EW-8 and DNAPL wells DW-10, DW-11, and DW-12 were each individually valved off from the influent header, the pumps removed and their intake screens cleaned of fouling. This operation was performed to restore the individual extraction well flow rates which were noted to be in decline over the past quarter due to gradual clogging of the pumps.

During this quarter, the average flow to the treatment plant was approximately 38 gpm to 40 gpm (54,720 to 57,600 gpd). The average pumping rate (after the above pump cleaning) for well EW-7 ranged from 9.5 gpm to 10 gpm, EW-8 and DW-9 pumping rates averaged 5 gpm, DW-10 pumping rate ranged from 10 gpm to 11 gpm, DW-11 pumping rate ranged from 6 gpm to 8 gpm, and DW-12 pumping rate averaged 9 gpm.

On August 5, 1997, a new storm sewer discharge line was completed from the treatment plant to the storm sewer along Walmore Road. TRO anticipates discharging extracted and treated groundwater to the storm sewer during the next quarter, in accordance with TRO's State Pollutant Discharge Elimination System (SPDES) Permit No. NY0000469.

4.2 Discharge Monitoring

Off-Site System

As required by TRO's Niagara County Sewer District No. 1 (NCSD) Industrial Discharge Permit (No. 95-07), effective January 31, 1995, the extracted groundwater from the Off-Site System is required to be monitored on a monthly and semi-annual basis. Results of the sewer discharge monitoring indicate that TRO was in compliance with the NCSD permit during this Quarter.

On-Site System

As required by TRO's NCSD Industrial Discharge Permit (No. 97-09), effective January 1, 1997, the extracted groundwater from the On-Site System was required to be monitored on a monthly and quarterly basis. Results of the sewer discharge monitoring indicate that TRO was in compliance with each NCSD permit during this Quarter.

4.3 Evaluation

4.3.1 Chemical Data for Off-Site and On-Site Systems

Eighteen (18) groundwater monitoring events have been performed since the start-up of the Off-Site System, and the last fourteen (14) events have been completed under the combined Off-Site and On-Site Effectiveness Monitoring Program. During this quarter, 15 monitoring wells and three (3) extraction wells were sampled. The samples were analyzed for VOCs using USEPA Method 8260.

The analytical results from the monitoring points sampled this quarter are comparable to the historical variability of constituent concentrations detected in previous sampling events. No noticeable trends have been observed when comparing this quarter's chemistry data to previous data.

4.3.2 Hydraulic Response for Off-Site and On-Site Systems

Off-Site System

A groundwater equipotential map of the Zone 1 bedrock aquifer in the vicinity of the On-Site and Off-Site System for the July 1997 Monitoring Event is presented on Figure 2. A review of this map indicates there is a consistent and significant overlap of the cone-of-depression and the contaminant plume in the off-site area. Groundwater flow directions, as shown by the arrows on Figure 2, have remained relatively consistent within the cone-of-depression. The flow direction is towards the four (4) pumping extraction wells (EW-2 through EW-5) of the Off-Site System.

On-Site System

The hydraulic response of the On-Site System has met the design expectations of establishing a zone of groundwater capture over the DNAPL plume; maintaining an upward gradient between the Zone 3 and Zone 1 aquifers; maintaining a downward

gradient between the overburden and the Zone 1 aquifer; and establishing a groundwater capture zone along the southern property boundary of the TRO facility.

A groundwater capture zone has been created by the operation of the On-Site System, in the Zone 1 aquifer. An examination of the Zone 1 equipotential map for July 1997 (as shown on Figure 3), indicates that the operation of the On-Site System is producing a hydraulic capture zone in Zone 1 over the entire DNAPL plume. Further review of Figure 3 shows a significant capture zone has developed along the southern boundary of the TRO facility along Niagara Falls Boulevard, between EW-7 and EW-8. However, a small portion of the groundwater that flows between EW-7 and EW-8 was not being captured by these two extraction wells during the monitoring event, as compared to a previous monitoring event (January 1997) in which complete capture of groundwater flow between EW-7 and EW-8 was achieved.

In order to enhance performance of the capture zone between extraction wells EW-7 and EW-8, Textron is considering installing an additional extraction well between wells EW-7 and EW-8; currently they are evaluating design options for the installation. EW-7 has historically operated above the desired water elevation levels in the well in the wettest months due to higher-than-anticipated hydraulic conductivity in the bedrock surrounding EW-7. During the summer months, EW-7 has been noted to operate within its pump control setting, and therefore, achieved maximum drawdown potential. A design and final decision will be made by next quarter.

Data from the July 1997 hydraulic monitoring event (presented in Table 2) indicate that the desired downward gradient between the overburden and Zone 1 is present in 12 of the 14 relevant well pairs measured, with gradient determination not possible for monitoring well pairs 87-21 and 87-22 because both overburden wells were dry.

Table 2 data also indicate that an upward gradient between Zone 3 and Zone 1 is present in six (6) of the seven (7) of the relevant well pairs measured, with a slight downward gradient noted in well pair 87-05. This downward gradient is likely a precipitation-induced transient condition, as it has not been noted previously. Table 5 presents a summary of vertical hydraulic gradients between Zones 1 and 3 from the July 1997 hydraulic monitoring data. The data indicate that gradients range from -0.08 ft/ft (downward) to 0.91 ft/ft (upward).

4.4 Routine Operational Corrective Measures

During the July 1997 Monitoring Event, Golder Associates personnel conducted an O&M checklist inspection that reviewed the condition of each monitoring and extraction well that was sampled this quarter, and any routine maintenance that should be performed to rectify problems (see Appendix A for Well Inspection Forms). No problems were noted this Quarter.

The April 1997 Monitoring Event checklist inspection revealed the following:

- Monitoring well 87-20(0)'s riser was slightly constricted near the ground surface probably due to frost heave; and
- Monitoring well 89-04(1) was missing its inner riser cap.

The existing two-inch diameter bailer at monitoring well 87-20(0) was replaced with a smaller-diameter dedicated bailer to sample the well this quarter. Also, as an additional measure against the possibility of surface water infiltration, bentonite powder was placed around the base of the well and covered with a protective layer of stone. This action was consistent with past actions concerning wells with minor frost-heave damage at the TRO facility and was completed prior to the July 1997 Quarterly Monitoring Event. Textron also replaced the cap on monitoring well 89-04(1) prior to the July 1997 Quarterly Monitoring Event.

5. SUMMARY

5.1 Hydraulic Monitoring Data

As discussed in Section 2.2, water level measurements were obtained manually from all of the monitoring wells required for quarterly hydraulic monitoring and from the in-vault displays for the extraction wells on July 21, 1997. Table 2 provides a summary of the water level measurements obtained during this event.

5.2 Laboratory Data

The analytical laboratory data presented herein represents the July 1997 Monitoring Event at the TRO facility. During the evaluation of this quarter's data, Golder Associates compared the levels of constituents detected in the monitoring wells with historical sampling data. The results of the July 1997 Monitoring Event are comparable to the historical variability of constituent concentrations detected in previous sampling events at the site for the monitoring wells.

5.3 Off-Site and On-Site System Performance

The Off-Site System has maintained an inward hydraulic gradient over the dissolved phase plume toward the extraction wells throughout the quarter and is consistent with the groundwater capture zone observed during previous quarterly monitoring events. As such, the performance of the Off-Site System is considered acceptable.

The performance of the On-Site System is achieving its design goals. The On-Site System has been effective in creating a groundwater capture zone in Zone 1 over the entire DNAPL plume and in maintaining the proper direction of vertical hydraulic gradients between the overburden, Zone 1, and Zone 3. A groundwater capture zone has also

developed in Zone 1 along the southern edge of the TRO facility between EW-7 and EW-8, although it is not consistent and will be enhanced by the installation of the new monitoring well. As such, the performance of the On-Site System is considered acceptable.

GOLDER ASSOCIATES INC.

David C. Wehn
Hydrogeologist

Anthony L. Grasso, P.G.
Office Manager/Associate

DCW/ALG:dcw/dml

F/N: FINQTR.DOC

REFERENCES

Golder Associates Inc., February 1993, "Ground Water Monitoring Plan, Bell Aerospace Textron, Wheatfield, New York, February 1993 Revision".

Golder Associates Inc., March 1993, "Corrective Measures Implementation Plan, On-Site System, Bell Aerospace Textron, Wheatfield, New York".

Golder Associates Inc., March 1996, "1995-1996 Annual Summary and System Performance Off-Site and On-Site Ground Water Extraction Systems, Bell Aerospace Textron, Wheatfield, New York".

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1996-1997
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
OFF-SITE EFFECTIVENESS MONITORING					
Zone 1 Wells					
87-20(1)			X		8260
87-21(1)			X		8260
89-04(1)			X		8260
89-05(1A)			X		8260
89-05(1B)				X	8260
87-19(1)			X		8260
89-03(1)				X	8260
89-06(1)				X	8260
89-07(1A)				X	8260
89-07(1B)				X	8260
89-16(1)				X	8260
89-17(1)				X	8260
89-18(1)				X	8260
93-02(1)				X	8260
93-03(1)	X				8260
94-02(1)				X	8260
TOTAL ZONE 1 SAMPLES PER EVENT	**1**	**0**	**5**	**10**	
TOTAL ZONE 1 SAMPLES PER YEAR	**4**	**0**	**10**	**10**	
Extraction Wells					
EW-2				X	8260
EW-3				X	8260
EW-4				X	8260
EW-5				X	8260
EW-6	X				8260
TOTAL EXTRACTION WELL SAMPLES PER EVENT	**1**	**0**	**0**	**4**	
TOTAL EXTRACTION WELL SAMPLES PER YEAR	**4**	**0**	**0**	**4**	
Sewer Trench Well					
SW-89(1)				X	8260
TOTAL SEWER TRENCH SAMPLES PER EVENT	**0**	**0**	**0**	**1**	
TOTAL SEWER TRENCH SAMPLES PER YEAR	**0**	**0**	**0**	**1**	

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1996-1997
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
ON-SITE AND OFF-SITE EFFECTIVENESS MONITORING					
Overburden Wells					
87-10(0)				X	8260
87-22(0)			X		8260
89-14(0)			X		8260
TOTAL OVERBURDEN SAMPLES PER EVENT	**0**	**0**	**2**	**1**	
TOTAL OVERBURDEN SAMPLES PER YEAR	**0**	**0**	**4**	**1**	
Zone 1 Wells					
87-12(1)		X			8260
87-18(1)		X			8260
87-22(1)		X			8260
89-14(1)				X	8260
89-15(1)		X			8260
TOTAL ZONE 1 SAMPLES PER EVENT	**0**	**4**	**0**	**1**	
TOTAL ZONE 1 SAMPLES PER YEAR	**0**	**16**	**0**	**1**	
Zone 3 Wells					
87-13(3)		X			8260
89-2(3)		X			8260
TOTAL ZONE 3 SAMPLES PER EVENT	**0**	**2**	**0**	**0**	
TOTAL ZONE 3 SAMPLES PER YEAR	**0**	**8**	**0**	**0**	
ON-SITE EFFECTIVENESS MONITORING					
Overburden Wells					
87-01(0)				X	8260
87-14(0)				X	8260
B-8				X	8260
87-18(0)			X		8260
87-20(0)			X		8260
87-23(0)			X		8260
TOTAL OVERBURDEN SAMPLES PER EVENT	**0**	**0**	**3**	**3**	
TOTAL OVERBURDEN SAMPLES PER YEAR	**0**	**0**	**6**	**3**	

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1996-1997
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
ON-SITE EFFECTIVENESS MONITORING					
Zone 1 Wells					
87-01(1)				X	8260
87-02(1)		X			8260
87-04(1)		X			8260
87-08(1)		X			8260
87-17(1)		X			8260
89-02(1)		X			8260
B-14(1)		X			8260
TOTAL ZONE 1 SAMPLES PER EVENT	**0**	**6**	**0**	**1**	
TOTAL ZONE 1 SAMPLES PER YEAR	**0**	**24**	**0**	**1**	
Zone 3 Wells					
87-02(3)		X			8260
TOTAL ZONE 3 SAMPLES PER EVENT	**0**	**1**	**0**	**0**	
TOTAL ZONE 3 SAMPLES PER YEAR	**0**	**4**	**0**	**0**	
DNAPL Extraction Wells					
DW-9				X	8260
DW-10				X	8260
DW-11				X	8260
DW-12				X	8260
TOTAL DNAPL SAMPLES PER EVENT	**0**	**0**	**0**	**4**	
TOTAL DNAPL SAMPLES PER YEAR	**0**	**0**	**0**	**4**	
Extraction Wells					
EW-7	X				8260
EW-8	X				8260
TOTAL EXTRACTION WELL SAMPLES PER EVENT	**2**	**0**	**0**	**0**	
TOTAL EXTRACTION WELL SAMPLES PER YEAR	**8**	**0**	**0**	**0**	
GRAND TOTAL SAMPLES PER EVENT	**4**	**13**	**10**	**25**	
GRAND TOTAL SAMPLES PER YEAR	**16**	**52**	**20**	**25**	

(A) Quarterly sampling to be conducted in January, April, July, and October for two years of On-Site System operations and then semi-annually sampling will be conducted thereafter.

(B) For Zone 1 wells - Quarterly sampling to be conducted for the next year (1996-1997) of On-Site System operations and then annually thereafter.
For Zone 3 wells - Quarterly sampling to be conducted for the first two years of On-Site System operations and then annually thereafter.

(C) Semi-annual sampling to be conducted each April and October for a period of two years of On-Site System operations and then annual sampling thereafter.

(D) Annual sampling to be conducted in October.
A water level reading will be taken from each well shown during each monitoring event.

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK
(Measurements Recorded July 21, 1997)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
87-01(0)	588.10	15.31	572.79
87-01(1)	587.99	19.35	568.64
87-02(1)	589.21	19.22	569.99
87-02(3)	588.63	14.10	574.53
87-04(0)	589.32	11.84	577.48
87-04(1)	589.08	16.64	572.44
87-04(3)	589.49	13.68	575.81
87-05(1)	589.37	17.80	571.57
87-05(3)	589.46	18.47	570.99
87-06(1)	588.27	15.89	572.38
87-08(1)	589.48	15.38	574.10
87-10(0)	587.30	14.65	572.65
87-10(1)	587.52	19.65	567.87
87-12(1)	583.84	20.09	563.75
87-13(0)	589.77	10.13	579.64
87-13(1)	590.06	17.07	572.99
87-13(3)	589.91	13.95	575.96
87-14(0)	589.56	11.52	578.04
87-14(1)	589.06	15.90	573.16
87-14(3)	590.35	14.12	576.23
87-15(0)	590.70	13.32	577.38
87-15(1)	590.27	15.14	575.13
87-15(3)	589.87	13.55	576.32
87-16(3B)	590.51	14.33	576.18
87-17(0)	589.50	12.22	577.28
87-17(1)	589.62	13.63	575.99
87-18(0)	585.95	12.77	573.18
87-18(1)	586.02	23.08	562.94
87-19(0)	581.57	9.22	572.35
87-19(1)	581.47	17.03	564.44
87-20(0)	578.77	7.93	570.84
87-20(1)	579.01	15.38	563.63
87-21(0)	577.23	DRY	DRY
87-21(1)	577.33	13.87	563.46
87-22(0)	583.80	DRY	DRY
87-22(1)	583.97	18.48	565.49
87-23(0)	587.27	8.15	579.12
87-23(1)	587.13	17.19	569.94
89-02(1)*	584.69	17.77	566.92
89-02(3)	584.80	11.49	573.31
89-03(1)	581.30	17.28	564.02
89-04(1)	577.92	10.14	567.78

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK
(Measurements Recorded July 21, 1997)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
89-05(1A)	577.56	18.87	558.69
89-05(1B)	577.77	14.60	563.17
89-06(1)	575.93	12.33	563.60
89-07(1A)	577.66	14.44	563.22
89-07(1B)	577.48	13.80	563.68
89-12(1)	586.60	19.29	567.31
89-13(0)	588.18	13.15	575.03
89-14(0)	587.45	10.52	576.93
89-14(1)	587.59	14.40	573.19
89-15(1)	588.76	19.50	569.26
89-16(1)	576.76	9.30	567.46
89-17(1)	577.59	9.59	568.00
89-18(1)	576.75	16.29	560.46
93-02(1)	579.05	19.77	559.28
93-03(1)	572.30	15.68	556.62
94-02(1)*	574.50	11.23	563.27
96-01(1)	585.18	20.01	565.17
96-02(1)	584.82	20.53	564.29
B-8(0)	590.26	12.49	577.77
B-12(0)	589.48	13.05	576.43
B-13(1)	588.41	15.93	572.48
B-14(1)	589.54	17.34	572.20
89-SW(2)	577.54	14.09	563.45
EW-2	568.15	N/A	559.39
EW-3	569.56	N/A	558.80
EW-4	570.07	N/A	552.80
EW-5	569.47	N/A	550.20
EW-6	568.17	N/A	561.10
EW-7	578.09	N/A	559.90
EW-8	575.73	N/A	558.5 (1)
DW-9	581.23	N/A	565.2 (1)
DW-10	581.06	N/A	572.30
DW-11	580.13	N/A	569.40
DW-12	577.59	N/A	567.10

NOTES:

BTOR = Below top of riser.
N/A = Not applicable, measurement taken from electronic readout in vault.
MSL = Mean sea level.
*= Resurveyed after repair on April 3, 1997.
(1)= Electronic readout not funtioning - elevation represents "pump on" pump control point.

TABLE 3
SUMMARY OF FIELD SAMPLING MEASUREMENTS AND OBSERVATIONS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

SAMPLE ID	SAMPLE LOCATION	DATE SAMPLED	DEPTH TO GROUND WATER (BTOR)	VOLUME PURGED (GAL)	pH MEASUREMENTS		SPECIFIC CONDUCTANCE MEASUREMENTS (umhos/cm)		TEMPERATURE °(C)		PURGE/ SAMPLE DEVICE		REMARKS
					PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	
BAT87021970723	87-02(1)	07/23/97	19.22	7.0	8.5	8.3	700	700	15.0	15.0	1	1	Clear, Duplicate collected
BAT87023970723	87-02(3)	07/23/97	14.10	12.0	8.0	7.8	1200	1200	14.0	14.0	1	1	Clear, Sulferous odor
BAT87041970723	87-04(1)	07/23/97	16.64	7.5	8.6	8.2	800	900	14.0	14.0	1	1	Clear, White particulate turbidity
BAT87081970723	87-08(1)	07/23/97	15.38	8.2	8.4	8.2	900	1000	13.0	12.0	1	1	Clear
BAT87121970722	87-12(1)	07/22/97	20.09	6.5	7.6	7.6	*	*	18.0	19.0	3	1	Clear
BAT87133970723	87-13(3)	07/23/97	13.95	21.0	8.2	7.9	1100	1200	15.0	14.0	1	1	Clear
BAT87171970723	87-17(1)	07/23/97	13.63	11.3	8.4	8.1	900	1000	17.0	15.0	1	1	Clear, Fine black particulate
BAT87181970722	87-18(1)	07/22/97	23.08	5.0	7.1	7.0	1000	1100	14.0	14.0	1	1	Clear
BAT87200970722	87-20(0)	07/22/97	7.93	0.3	7.1	7.3	*	*	16.0	15.0	1	1	Gray turbidity
BAT87221970722	87-22(1)	07/22/97	18.48	6.5	8.5	8.2	*	*	11.0	11.0	1	1	Slight gray turbidity
BAT89021970722	89-02(1)	07/22/97	17.77	9.0	7.1	7.4	900	1100	11.0	12.0	1	1	Clear
BAT89023970722	89-02(3)	07/22/97	11.49	22.6	7.3	7.1	1500	1600	11.0	12.0	1	1	Clear
BAT89151970723	89-15(1)	07/23/97	19.50	6.9	8.1	7.9	700	700	16.0	16.0	1	1	Clear, Sulferous odor, Oily film on sample
BAT93031970722	93-03(1)	07/22/97	15.68	15.0	8.6	7.9	600	450	14.0	15.0	1	1	Clear, MS/MSD collected
BATB14970723	B-14(1)	07/23/97	17.34	2.5	8.4	8.2	900	900	14.0	14.0	1	1	Clear, Sulferous odor
BATEW6970722	EW-6	07/22/97	N/A	600.0	8.2	7.9	310	170	14.0	12.0	2	2	Clear
BATEW7970722	EW-7	07/22/97	N/A	N/A	7.0	7.0	1000	1100	16.0	16.0	N/A	2	Clear
BATEW8970722	EW-8	07/22/97	N/A	N/A	8.1	7.9	*	*	16.0	17.0	N/A	2	Clear

NOTES:
BTOR = Below Top Of Riser
GAL = Gallons
(1) Stainless Steel Bailer
(2) Dedicated Polyethylene Tubing from Sampling Port
(3) Peristaltic Pump with PE Tubing
* Meter erratic - value reported not valid
N/A = Not Applicable

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

ANALYTICAL METHOD EPA 8260
(Concentrations in ug/L)

SAMPLE LOCATION	87-02(1)	87-02(1)*	87-02(3)	87-04(1)	87-08(1)	87-12(1)	87-13(3)	87-17(1)
SAMPLE I.D.	BAT87021970723	BAT87021DUP	BAT87023970723	BAT87041970723	BAT87081970723	BAT87121970722	BAT87133970723	BAT87171970723
SAMPLE DATE	7/23/97	7/23/97	7/23/97	7/23/97	7/23/97	7/22/97	7/23/97	7/23/97
PARAMETER								
VINYL CHLORIDE	160	160	-	2	53	260	10	89
1 1-DICHLOROETHENE	10	11	-	-	-	-	-	-
CARBON DISULFIDE	-	-	1	-	-	-	42	-
METHYLENE CHLORIDE	0.7 B	0.6 B	-	3100 B	54 B	68 B	22 B	3 B
TRANS-1 2-DICHLOROETHENE	19	18	-	2	-	-	-	3
1 1-DICHLOROETHANE	9	10	-	4	-	-	-	24
CIS-1 2-DICHLOROETHENE	3400	3400	-	130	1300	7500	87	530
CHLOROFORM	4 B	4 B	-	5 B	-	-	-	-
TOLUENE	2	2	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	38	38	-	10	-	70	-	100
BENZENE	-	-	0.6	-	-	-	-	-
1,2-DICHLOROETHANE	-	-	-	-	-	-	-	-
TRICHLOROETHENE	1100	1100	-	50	790	5800	170	13

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
B = Analyte detected in field blank.
E = Estimated value, result over calibration curve.
* = Duplicate sample

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

ANALYTICAL METHOD EPA 8260
(Concentrations in ug/L)

SAMPLE LOCATION	87-18(1)	87-20(0)	87-22(1)	89-02(1)	89-02(3)	89-15(1)	93-03(1)	B-14(1)
SAMPLE I.D.	BAT87181970722	BAT87200970722	BAT87221970722	BAT89021970722	BAT89023970722	BAT89151970723	BAT93031970722	BATB14970723
SAMPLE DATE	7/22/97	7/22/97	7/22/97	7/22/97	7/22/97	7/23/97	7/22/97	7/23/97
PARAMETER								
VINYL CHLORIDE	730	-	50	50	-	36	-	110
1 1-DICHLOROETHENE	-	-	-	1	-	-	-	3
CARBON DISULFIDE	-	-	-	-	1	-	0.7	-
METHYLENE CHLORIDE	130 B	-	6 B	-	-	2500 B	-	3 B
TRANS-1 2-DICHLOROETHENE	-	-	5	3	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	9	-	-	-	16
CIS-1 2-DICHLOROETHENE	6300	-	1000	110	-	840	1	600
CHLOROFORM	-	-	-	-	-	-	-	-
TOLUENE	-	-	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	-	-	-	2	-	64	-	63
BENZENE	-	-	-	-	-	-	-	-
1,2-DICHLOROETHANE	-	-	-	-	-	-	-	-
TRICHLOROETHENE	-	-	50	9	-	22000 E	-	5

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
B = Analyte detected in field blank.
E = Estimated value, result over calibration curve.
* = Duplicate sample

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

ANALYTICAL METHOD EPA 8260
(Concentrations in ug/L)

SAMPLE LOCATION	EW-6	EW-7	EW-8
SAMPLE I.D.	BATEW6970722	BATEW7970722	BATEW8970722
SAMPLE DATE	7/22/97	7/22/97	7/22/97
PARAMETER			
VINYL CHLORIDE	10	600	150
1 1-DICHLOROETHENE	-	-	-
CARBON DISULFIDE	-	-	-
METHYLENE CHLORIDE	-	68 B	28 B
TRANS-1 2-DICHLOROETHENE	-	-	-
1 1-DICHLOROETHANE	-	25	16
CIS-1 2-DICHLOROETHENE	34	4500	4100
CHLOROFORM	-	-	-
TOLUENE	-	-	-
1 1 1-TRICHLOROETHANE	-	51	50
BENZENE	-	-	-
1,2-DICHLOROETHANE	-	-	-
TRICHLOROETHENE	-	150	2400

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
B = Analyte detected in field blank.
E = Estimated value, result over calibration curve.
* = Duplicate sample

TABLE 5
SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
WHEATFIELD, NEW YORK

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	DATE MEASURED	WATER LEVEL ELEVATION (FT. MSL)	HEAD DIFFERENCE ZONE 3 - ZONE 1 (dH) (FT.)	THICKNESS ZONE 2 (dL) (FT.)	VERTICAL GRADIENT dH/dL
87-02(1)	589.21	19.22	7/21/97	569.99	4.54	7.00	0.65
87-02(3)	588.63	14.10		574.53			
87-04(1)	589.08	16.64	7/21/97	572.44	3.37	7.00	0.48
87-04(3)	589.49	13.68		575.81			
87-05(1)	589.37	17.80	7/21/97	571.57	-0.58	7.00	-0.08
87-05(3)	589.46	18.47		570.99			
87-13(1)	590.06	17.07	7/21/97	572.99	2.97	7.00	0.42
87-13(3)	589.91	13.95		575.96			
87-14(1)	589.06	15.90	7/21/97	573.16	3.07	7.00	0.44
87-14(3)	590.35	14.12		576.23			
87-15(1)	590.27	15.14	7/21/97	575.13	1.19	7.00	0.17
87-15(3)	589.87	13.55		576.32			
89-02(1)	584.69	17.77	7/21/97	566.92	6.39	7.00	0.91
89-02(3)	584.80	11.49		573.31			

NOTES:

BTOR = Below top of riser.
MSL = Mean sea level.
NOTE: Positive vertical gradients are upwards from Zone 3 to Zone 1

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

72,000 m N

WALMORE ROAD

B-8

DW-9

87-08(1) (576.01)

HEUTRALIZATION POND

87-14(0)

87-17(1) (577.87)

87-13(3) (577.43)

DW-10

89-14(0)

89-14(1)

87-04(1)(574.68)

89-15(1) (573.80)

B-14(1) (574.48)

DW-11

87-10(0)

87-23(0)

87-02(3) (575.95)

87-02(1) (574.62)

DW-12

87-01(1)

87-01(0)

BELL AEROSPACE TEXTRON WHEATFIELD PLANT

89-02(3) (574.88)

89-02(1) (569.94)

NIAGARA ROAD

87-22(0)

87-22(1) (568.42)

89-16(1)

89-04(1)

EW-7 (566.88)

87-18(0)

EW-8 (568.14)

87-18(1) (566.81)

87-12(1) (567.02)

SW89-1

STATE RTE. 62 (NIAGARA FALLS BLVD.)

87-20(0)

87-20(1)

OLD FALLS BLVD.

87-19(1)

CAYUGA DR. EXT.

87-21(1)

89-03(1)

BERGHOLTZ CREEK

CAYUGA DR. EXT.

SAWYER CREEK

NIAGARA FALLS BLVD.

89-17(1)

EW-2

93-02(1)

EW-3

WALMORE ROAD

RAILROAD

EW-4

89-05(1A)

89-05(1B)

EW-5

DRAINAGE DITCH

94-02(1)

CONRAIL

EW-6

93-03(1)

89-18(1)

SY ROAD

JAGOW ROAD

89-06(1)

89-07(1A)

89-07(1B)

DRAINAGE DITCH

N

LEGEND

- WELLS TO BE ANALYSED QUARTERLY
- WELLS TO BE ANALYSED SEMI-ANNUALLY
- WELLS TO BE ANALYSED ANNUALLY

NOTES

1.) GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.

2.) REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.

3.) WELL LOCATIONS SHOWN ARE APPROXIMATE.

300 0 300 600
scale feet

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT

Bell Aerospace TEXTRON
NIAGARA FALLS, NEW YORK

TITLE

GROUNDWATER MONITORING PLAN
SAMPLE LOCATIONS

OCT 2 8 1997

Buffalo, New York

Golder Associates

DRAWN	BEC	DATE	6/8/94
CHECKED	KFN	SCALE	1"=300'
REVIEWED	DCW	JOB NO.	973-9158
APPROVED	ALG	DWG. NO.	BELL64
FILE NO.	914-1014	FIGURE	1

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

72,000 m N

FOR EXPANDED VIEW OF ON-SITE AREA, INCLUDING ON-SITE DNAPL PLUME AND ON-SITE FLOW ARROWS, SEE FIGURE 3.

CONTOURS AROUND DW-9 DRAWN DIAGRAMMATICALLY. NOT ALL CONTOURS SHOWN.

APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO OCTOBER 1996 SAMPLING EVENT - SEE NOTE 7.)

WALMORE ROAD

NIAGARA ROAD

STATE RTE. 62 (NIAGARA FALLS BLVD.)

OLD FALLS BLVD.

NIAGARA FALLS BLVD.

CAYUGA DR. EXT.

BERGHOLTZ CREEK

SAWYER CREEK

DRAINAGE DITCH

CONRAIL

SY ROAD

JACOW ROAD

TEXTRON WHEATFIELD PLANT

NEUTRALIZATION POND

DW-9 (565.20)

DW-10 (572.30)

DW-11 (569.40)

DW-12(567.10)

EW-3 (558.80)

EW-4 (552.80)

EW-5 (550.20)

EW-6 (561.10)

EW-7 (559.90)

EW-8 (559.50)

87-15(1)(575.13)

87-17(1) (575.99)

87-05(1)(571.57)

87-08(1)(574.10)

87-14(1) (573.16)

87-13(1) (572.99)

87-04(1)(572.44)

89-15(1)(569.26)

89-14(1)(573.19)

89-13(1)(572.48)

87-06(1)(572.38)

87-23(1) (569.94)

B-14(1) (572.20)

87-10(1) (567.87)

87-02(1) (569.99)

89-12(1)(567.31)

87-01(1)(568.64)

89-02(1) (566.92)

87-22(1) (565.49)

96-01(1) (565.17)

96-02(1) (564.29)

87-18(1) (562.94)

87-12(1) (563.75)

89-16(1) (567.46)

89-04(1) (567.78)

87-20(1)(563.63)

87-19(1) (564.44)

87-21(1) (563.46)

89-03(1) (564.02)

93-02(1)(559.28)

89-05(1A)(558.69)

94-02(1) (563.27)

93-03(1) (566.62)

89-18(1) (560.46)

89-06(1)(563.60)

89-07(1A)(563.22)

89-17(1) (568.00)

LEGEND

- ◆ EXTRACTION WELL OR DNAPL WELL
- ⊕ MONITORING WELL OR PIEZOMETER
- (567.78) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
- 570 POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- DIRECTION OF GROUNDWATER FLOW IN ZONE 1

NOTES

1.) GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.

2.) REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.

3.) WELL LOCATIONS SHOWN ARE APPROXIMATE.

4.) WATER LEVEL MEASURMENTS OBTAINED ON JULY 21, 1997.

5.) ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.

6.) CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.

7.) TOTAL VOLATILE ORGANIC (TVO) DETECTIONS MINUS CARBON DISULFATE IN MONITORING WELL 89-16(1).

300 0 300 600
scale feet

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

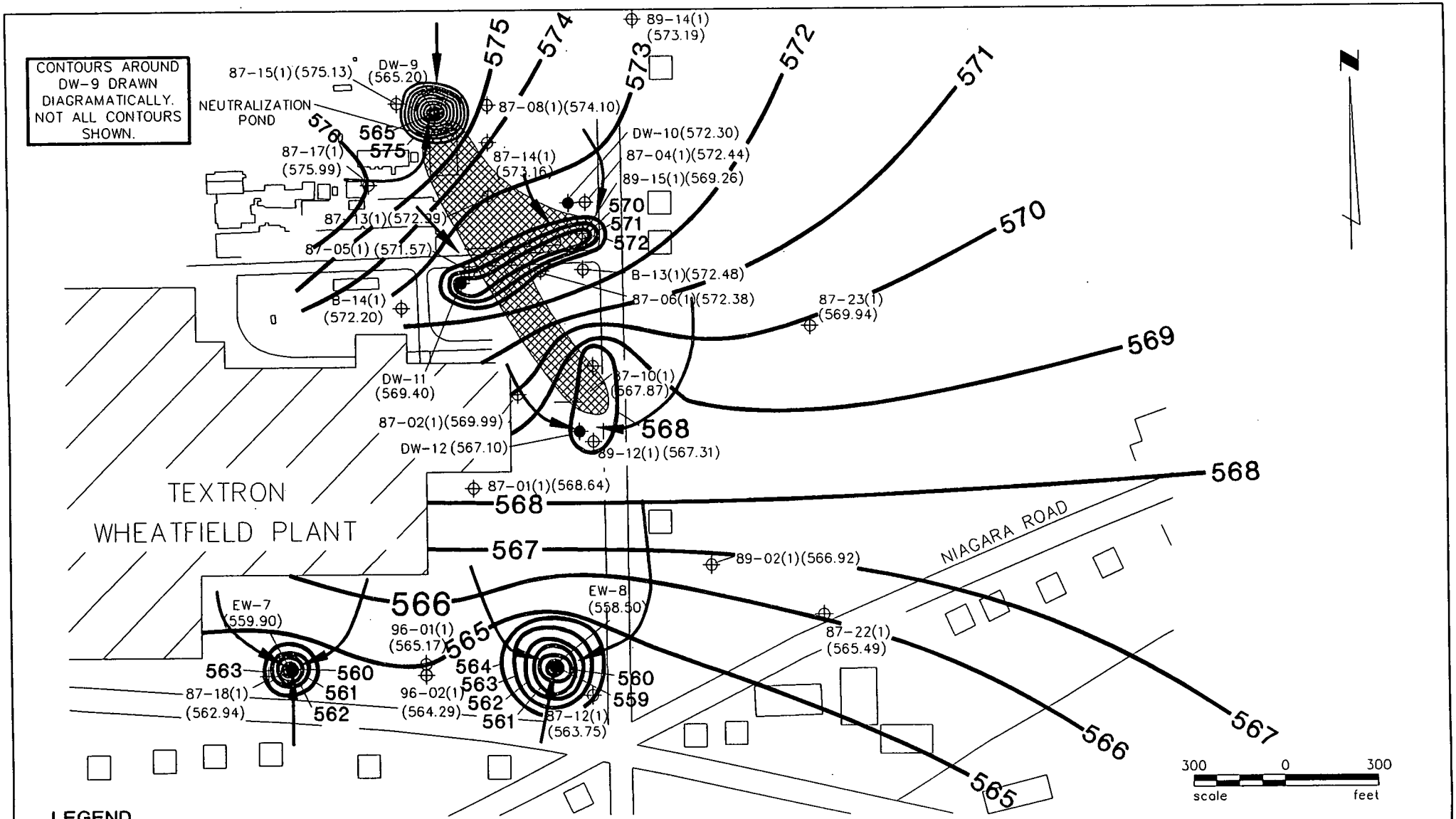
CLIENT/PROJECT: TEXTRON, NIAGARA FALLS, NEW YORK

OCT 28 1997

TITLE: GROUNDWATER ELEVATION CONTOUR MAP ZONE 1 BEDROCK - JULY 1997

Golder Associates, Buffalo, New York

DRAWN	BEC	DATE	9/25/97
CHECKED		SCALE	1"=300'
REVIEWED		JOB NO.	973-9158
APPROVED	ALG	DWG. NO.	BELL106
FILE NO.	973-9158	FIGURE	2


CONTOURS AROUND DW-9 DRAWN DIAGRAMATICALLY. NOT ALL CONTOURS SHOWN.
N
TEXTRON
WHEATFIELD PLANT
NIAGARA ROAD
NEUTRALIZATION POND
DW-9 (565.20)
87-15(1)(575.13)
87-08(1)(574.10)
89-14(1) (573.19)
87-17(1) (575.99)
87-14(1) (573.16)
DW-10(572.30)
87-04(1)(572.44)
89-15(1)(569.26)
87-13(1)(572.29)
87-05(1) (571.57)
B-13(1)(572.48)
B-14(1) (572.20)
87-06(1)(572.38)
87-23(1) (569.94)
DW-11 (569.40)
87-10(1) (567.87)
87-02(1)(569.99)
DW-12 (567.10)
89-12(1) (567.31)
87-01(1)(568.64)
89-02(1)(566.92)
EW-7 (559.90)
EW-8 (558.50)
96-01(1) (565.17)
87-22(1) (565.49)
87-18(1) (562.94)
96-02(1) (564.29)
87-12(1) (563.75)
575
574
573
572
571
570
569
568
567
566
565
564
563
562
561
560
559
576
300 0 300
scale feet
LEGEND
EXTRACTION WELL OR DNAPL WELL
MONITORING WELL
— 569 — POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
(568.64) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
DIRECTION OF GROUND WATER FLOW IN ZONE 1
DNAPL PLUME
Golder Associates Buffalo, New York
CLIENT/PROJECT
TEXTRON
NIAGARA FALLS, NEW YORK
TITLE
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK
JULY 1997
DRAWN BEC
CHECKED
REVIEWED ALG
DATE 9/26/97
SCALE AS SHOWN
FILE NO 973-9158
JOB NO. 973-9158
DWG. NO. BELL107
FIGURE NO. 3

APPENDIX A

SAMPLE COLLECTION INFORMATION
AND
WELL INSPECTION FORMS

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/STAR GWM NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT8702197023

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/23/97	TIME (24 HR CLOCK)	0830	ELAPSED HRS.	1/2
CASING VOL.(Gal.)	2.33	GAL. PURGED (Gal.)	7.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/23/97	TIME (24 HR CLOCK)	0910	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	33.53
DEPTH TO WATER (REF. PT.)	19.22	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	9.0	8.5	8.5	8.3
SPEC. COND.(UMHOS/CM)	1600	700	700	700
TEMPERATURE (C)	17°	15°	15°	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 70° SUN

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

DUP TAKEN

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature]

DATE: 7/24/97

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TEXTRON 97-99 GWM NY GAI PROJECT NO. 973-9158

SAMPLE ID. BAT87023970723 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/23/97	TIME (24 HR CLOCK)	0840	ELAPSED HRS.	1 1/2
CASING VOL.(Gal.)	7.08	GAL. PURGED (Gal.)	~~DRY~~ 12 → DRY		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/23/97	TIME (24 HR CLOCK)	0910	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB) COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	57.56
DEPTH TO WATER (REF. PT.)	14.10	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.5	8.0	8.0	7.8
SPEC. COND.(UMHOS/CM)	1100	1200	1200	1200
TEMPERATURE (C)	14°	14°	14°	14°
OTHER (SPECIFY)	-----	-----	-----	-----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

STRONG SULFUR Smell

DRY @ 12.0 gal

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE Dan Wk DATE 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-99 GWM NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT2704/970723

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	1010	ELAPSED HRS.	1½
CASING VOL.(Gal.)	2.5	GAL. PURGED (Gal.)	7.5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	1030	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	32.03
DEPTH TO WATER (REF. PT.)	16.64	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.20	8.6	8.6	8.2
SPEC. COND.(UMHOS/CM)	700	800	800	900
TEMPERATURE (C)	14°	12°	14°	14°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 72° SUN

SAMPLE APPEARANCE: clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

White particulate

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature]

DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-99 GWM NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAS870819970723 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1345	ELAPSED HRS.	.12
CASING VOL.(Gal.)	2.76	GAL. PURGED (Gal.)	8.2		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1415	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	22.33
DEPTH TO WATER (REF. PT.)	15.36	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.0	8.4	8.4	8.2
SPEC. COND.(UMHOS/CM)	800	900	900	1000
TEMPERATURE (C)	12°	13°	13°	12°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 77° SUN

SAMPLE APPEARANCE: clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: DS WL DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-99 GWM NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT87121970722

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1130	ELAPSED HRS.	1/4
CASING VOL.(Gal.)	2.1	GAL. PURGED (Gal.)	6.5		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1145	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	33.0
DEPTH TO WATER (REF. PT.)	20.05	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	7.6	7.6	7.6
SPEC. COND.(UMHOS/CM)	000	000	000	000
TEMPERATURE (C)	12°	18°	18°	19°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 72° SUN

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dave Wh

DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/97-49 GLOVE, NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT87133970723

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1430	ELAPSED HRS.	1/2
CASING VOL.(Gal.)	7.0	GAL. PURGED (Gal.)	21.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1500	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	57.07
DEPTH TO WATER (REF. PT.)	13.95	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.2	8.2	7.9
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1200
TEMPERATURE (C)	15°	15°	15°	14°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 77° SUN

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dan Wh

DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/77TH GLEN/ NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT87171970723 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	1310	ELAPSED HRS.	N/A
CASING VOL.(Gal.)	3.76	GAL. PURGED (Gal.)	11.3		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	1330	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	36.74
DEPTH TO WATER (REF. PT.)	13.63	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.4	8.4	8.1
SPEC. COND.(UMHOS/CM)	900	900	900	1000
TEMPERATURE (C)	15°	17°	17°	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 77° SUN

SAMPLE APPEARANCE: Clear with

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

LITTLE BLACK PARTICULATE

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-AA GWM NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT 87181970722

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	14:45	ELAPSED HRS.	1 1/2
CASING VOL.(Gal.)	1.5	GAL. PURGED (Gal.)	5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	15:10	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	32.52
DEPTH TO WATER (REF. PT.)	23.08	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	7.0	7.1	7.0	7.0
SPEC. COND.(UMHOS/CM)	1400	1000	1100	1100
TEMPERATURE (C)	14	14	14	14
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Sun 70°F

SAMPLE APPEARANCE: clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature]

DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-99 GWM NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT 87200 970722

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	07/22/97	TIME (24 HR CLOCK)	1030	ELAPSED HRS.	1/4
CASING VOL.(Gal.)	0.3	GAL. PURGED (Gal.)	.3 → DRY		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1045	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB) COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	9.98
DEPTH TO WATER (REF. PT.)	7.98	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	7.7	7.1	7.1	7.3
SPEC. COND.(UMHOS/CM)	50	000	000	000
TEMPERATURE (C)	16°	16°	16°	15
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 70° SUN

SAMPLE APPEARANCE: gray

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

WENT DRY

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dan Wil

DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/9749 GWM/ NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT87221 970722 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1050	ELAPSED HRS.	1/2
CASING VOL.(Gal.)	2.2	GAL. PURGED (Gal.)	1.5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1110	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB) COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	32.18
DEPTH TO WATER (REF. PT.)	16.48	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.5	8.5	8.2
SPEC. COND.(UMHOS/CM)	100	000	000	000
TEMPERATURE (C)	10°	11°	11°	11°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 72° SUN

SAMPLE APPEARANCE: slight grey appearence

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dave Wall DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/STAFFORD NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT89021970722 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	13:25
CASING VOL.(Gal.)	2.6	GAL. PURGED (Gal.)	9
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.
ELAPSED HRS.	1	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	14:20
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)	
MATRIX	H_2O	FILTERED (Y/(N))	

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	33.92
DEPTH TO WATER (REF. PT.)	17.77	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	7.1	7.1	7.4	7.4
SPEC. COND.(UMHOS/CM)	900	900	1100	1100
TEMPERATURE (C)	11	11	12	12
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Overcast - 70°F

SAMPLE APPEARANCE: clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 7/24/97

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

22.5

GAI PROJECT NAME TEXTRON/9999 GWM NY GAI PROJECT NO. 973-9158

SAMPLE ID. BAT89023970722 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	13:20	ELAPSED HRS.	1
CASING VOL.(Gal.)	7.5	GAL. PURGED (Gal.)	22.6		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	14:30	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB) COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	57.54
DEPTH TO WATER (REF. PT.)	11.49	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	7.2	7.3	7.1	7.1
SPEC. COND.(UMHOS/CM)	600	1500	1600	1600
TEMPERATURE (C)	12	11	12	12
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Overcast 70°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-99 GWM NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT 891597023 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1045	ELAPSED HRS.	1/2
CASING VOL.(Gal.)	2.3	GAL. PURGED (Gal.)	6.9		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	~~HDPE~~ SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/23	TIME (24 HR CLOCK)	1110	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	34.09
DEPTH TO WATER (REF. PT.)	19.50	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.1	8.1	8.1	7.9
SPEC. COND.(UMHOS/CM)	800	700	700	700
TEMPERATURE (C)	14°	16°	16°	16°
OTHER (SPECIFY)	-----	-----	-----	-----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 72° SUN

SAMPLE APPEARANCE

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

STRONG SULFIDE SMELL BLACK PRECIPITATE
OIL LIKE FILM ON TOP OF WATER

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dan Wh DATE: 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TEKTRONIX 97-99 GWM NY GAI PROJECT NO. 973-9158

SAMPLE ID. BAT 93031970722 SOURCE CODES: RIVER OR STREAM, WELL, SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	9:05	ELAPSED HRS.	1
CASING VOL.(Gal.)	5	GAL. PURGED (Gal.)	15.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	0957	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB) COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	46.54
DEPTH TO WATER (REF. PT.)	15.68	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	6.9	8.6	8.6	7.9
SPEC. COND.(UMHOS/CM)	590	600	600	450
TEMPERATURE (C)	55°F	14°C	14°C	15°C
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

MS/MSD TAKEN

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE Dan Wk DATE 7/24/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON/91-49 GLOVE NY GAI PROJECT NO. 973-9158

SAMPLE ID: BATB14 970723 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	0930	ELAPSED HRS.	N/A
CASING VOL.(Gal.)	~~2.5~~ 1.85	GAL. PURGED (Gal.)	2.5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	07/23/97	TIME (24 HR CLOCK)	0950	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	26.64
DEPTH TO WATER (REF. PT.)	17.34	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.4	8.4	8.2
SPEC. COND.(UMHOS/CM)	800	960	900	900
TEMPERATURE (C)	14°	14°	14°	14°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 70° SUN

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

SO FOR SMELL

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE 7/28/97

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97-FI GW/SW NY

GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT EW6 970722

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	0900	ELAPSED HRS.	1
CASING VOL.(Gal.)	N/A	GAL. PURGED (Gal.)	4.00		
PURGING DEVICE (SEE BELOW)	F	PURGING DEVICE MATERIAL	N/A	DEDICATED (Y/N)	

Bell pump

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1000	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	F Well Pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	N/A
DEPTH TO WATER (REF. PT.)	N/A	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	-----	-----	7.9
SPEC. COND.(UMHOS/CM)	310	-----	-----	120
TEMPERATURE (C)	14°	-----	-----	12
OTHER (SPECIFY)	-----	-----	-----	-----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 70° SUN

SAMPLE APPEARANCE: clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: Dan Wk

DATE: 7/24/97

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97149 GWM NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BAT EW7 970722 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	1515	ELAPSED HRS.	≤1/4
CASING VOL.(Gal.)	N/A	GAL. PURGED (Gal.)	N/A*		
PURGING DEVICE (SEE BELOW)	E well Pump	PURGING DEVICE MATERIAL	N/A	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	97/07/22	TIME (24 HR CLOCK)	1515	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E WELL Pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	N/A
DEPTH TO WATER (REF. PT.)	N/A	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	7.0	—	—	7.0
SPEC. COND.(UMHOS/CM)	1000	—	—	1100
TEMPERATURE (C)	16	—	—	16
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Sun 70°F

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

* Well pump running continuously

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 7/24/97

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TEXTRON 97 AA GWM NY GAI PROJECT NO.: 973-9158

SAMPLE ID.: BATEW897022 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1200	ELAPSED HRS.	2 1/4
CASING VOL.(Gal.)	N/A	GAL. PURGED (Gal.)	N/A *		
PURGING DEVICE (SEE BELOW)	E well pump	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y)/N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	7/22/97	TIME (24 HR CLOCK)	1200	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E well pump	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	T.O.R.	LAND ELEVATION (FT./MSL)	N/A
REF. PT. ELEV.(FT. MSL)	N/A	WELL DEPTH (FT.)	N/A
DEPTH TO WATER (REF. PT.)	N/A	STICKUP (FT.)	N/A
GW. ELEV.(FT. MSL.)	N/A	WELL DIAMETER (INCHES)	2

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.1			7.9
SPEC. COND.(UMHOS/CM)	000			000
TEMPERATURE (C)	16°			17°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 72° SUN

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

* Well pump running continuously

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 7/22/97

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-02(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 8:30
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-02(3)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 8:40
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-04(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 10:10
Inspector's Name(s) D WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation S7-08(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 13:45
Inspector's Name(s) D WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-12(1)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 11:30
Inspector's Name(s) D. WIEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-13(3)
Date of Inspection 7/23/87 (month/day/year)
Time of Inspection 14:30
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-17(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 13:10
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable) Well Number Readable on Outer Casing Integrity of Surface Seal/Apron Integrity of Surface Casing Corrosion Inner Casing/Screen Integrity Measuring Point Visibility Total Depth Siltation Recharge Rate Other					
Security	Security Cap in Place Lock in Place Lock Functional Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-18(1)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 14:45
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-206(a)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 10:30
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓	Use of smaller bailer works.	Placed bentonite around base of protective casing.	
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 87-22(1)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 10:50
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 89-02(1)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 13:25
Inspector's Name(s) D WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 89-02(3)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 13:20
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 89-15(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 10:45
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation 93-03(1)
Date of Inspection 7/22/97 (month/day/year)
Time of Inspection 9:05
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

TEXTRON REALTY OPERATIONS (WHEATFIELD) INC. FACILITY
GROUNDWATER MONITORING SYSTEM
INSPECTION

Well Designation B-14(1)
Date of Inspection 7/23/97 (month/day/year)
Time of Inspection 9:30
Inspector's Name(s) D. WEHN

Item	Types of Problems	*Status U	*Status A	Comments	Action	Date
Well Condition	Flagging Visibility (if applicable)		N/A			
	Well Number Readable on Outer Casing		✓			
	Integrity of Surface Seal/Apron		✓			
	Integrity of Surface Casing		✓			
	Corrosion		✓			
	Inner Casing/Screen Integrity		✓			
	Measuring Point Visibility		✓			
	Total Depth		✓			
	Siltation		✓			
	Recharge Rate		✓			
	Other					
Security	Security Cap in Place		✓			
	Lock in Place		✓			
	Lock Functional		✓			
	Other					

* Status: U=unacceptable
A=acceptable
N/A = Not Applicable

APPENDIX B

CHAIN-OF-CUSTODY FORMS

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: WHEAT FIELD

Sample Matrix: DW WW (MW) SOIL AIR OTH_____
(GRAB) COMPOSITE OTH_____

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: GOLDER ASSOC.
ADDRESS: SEE P. 1
PHONE: FAX:

INVOICE TO: DAVID WEHN
ADDRESS: ←

PROJECT NO. / NAME: 973-9158

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS										ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
7/23/97 1600	TB2			2							55689	8260 95-045-66-20	LAB USE ONLY
7/22/97 14:30	BAT8902397 0722			3							55673	8260	
7/22/97 15:10	BAT87181970722			3							55674	8260	
7/22/97 15:15	BAT EW7 970722			3							55675	8260	
7/23/97 0910	BAT87021 970723			3							55676	8260	
7/23/97 0910	BAT 87021 DUP			3							55677	8260	
7/23/97 0910	BAT87023 970723			3							55678	8260	
7/23/97 0950	BAT B14970723			3						BEC	55679	8260	

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	7/23/97 16:00	[signature]	7/24/97 11:05	
				SUSPECTED CONTAMINATION LEVEL
				NONE SLIGHT MODERATE HIGH (please circle)

WHITE COPY - LAB YELLOW COPY - CLIENT

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: WHEATFIELD

Sample Matrix: DW WW (MW) SOIL AIR OTH_____
(GRAB) COMPOSITE OTH_____

CLIENT: GOLDER ASSOC.
ADDRESS: SEE P.1
PHONE: FAX:

INVOICE TO: DAVID WEIHX
ADDRESS: ←

PROJECT NO. / NAME
973- 9158

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite	NUMBER OF CONTAINERS	SAMPLE NUMBER	ANALYSES / TESTS REQUESTED
7/23/97 1600	TB1											2	55690	8260 9S-04S-66-28
7/22/97 9:57	BAT9303970722											3	55680	8260 55687 55688
7/22/97 10:00	BAT EW6970722											3	55681	8260
7/22/97 1045	BATB720 0 970722											3	55682	8260
7/22/97 1110	BATB7●221 970722											3	55683	8260
7/22/97 1145	BATB7121 970722											3	55684	8260
7/22/97 1200	BATEIN8 970722											3	55685	8260
7/22/97 14:20	BAT8902 970722											3	55686	8260

LAB USE ONLY

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER Dave Weih	7/23/97 16:00	Jill Hostufka	7/24/97 11:05	
				SUSPECTED CONTAMINATION LEVEL
				NONE SLIGHT MODERATE HIGH (please circle)

WHITE COPY - LAB YELLOW COPY- CLIENT

CUSTOMER CODE # 4034

CHAIN OF CUSTODY RECORD

FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: WHEAT FIELD

Sample Matrix: DW WW MW SOIL AIR OTH
GRAB COMPOSITE OTH

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: GOLDER ASSOC
ADDRESS: 2221 NIAGARA FALLS BLVD. NIAGARA FALLS NY
PHONE: 716 731 1560 FAX: 716 731 1652

INVOICE TO: DAVID WEHN
ADDRESS:

PROJECT NO. / NAME
973-9158

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
7/23/97 1030	BAT8704I970723	3 55668	8260	LAB USE ONLY
7/23/97 1110	BAT8915I970723	3 55669	8260	
7/23/97 1330	BAT8717I970723	3 55670	8260	
7/23/97 1415	BAT8708I970723	3 55698	8260	
7/23/97 1500	BAT8713I970723	3 55671	8260	
7/23/97 1530	BATFB01	3 55672	8260	
7/22/97 957	BAT9303I970722 MS	3	8260	
7/22/97 957	BAT9303I970722MSD	3	8260	

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	7/23/97 16:00	[signature]	7/24/97 11:05	
				SUSPECTED CONTAMINATION LEVEL
				NONE SLIGHT MODERATE HIGH (please circle)

WHITE COPY - LAB YELLOW COPY- CLIENT

APPENDIX C

FRIEND LABORATORY, INC. ANALYTICAL REPORT

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE · WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

BELL AEROSPACE-TEXTRON FACILITY

MONITORING WELLS REPORT

NIAGARA FALLS, NEW YORK

SAMPLED: JULY 22 & 23, 1997

Submitted To:

Mr. Anthony Grasso
Golder Associates, Inc.
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls, New York 14304

Steven R. Carpenter
Project Director

John A. Keuhn
Laboratory Director

Randy J. Sheffler
Project Manager

Teresa B. Bishop
Quality Assurance

September, 1997

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

TABLE OF CONTENTS

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55668

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87041970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Method : SW846/8260/5030 Analyst : CPW Notebook Reference : 97-131-3126
Units : UG/L Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	2	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
trans-1,2-Dichloroethene	2	0.5
1,1-Dichloroethane	4	0.5
cis-1,2-Dichloroethene	130	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	5	0.5
1,1,1-Trichloroethane	10	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	50	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5
Tetrachloroethene	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55668

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87041970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	98	
Toluene-d8	104	
Bromofluorobenzene	96	

DILUTION FACTOR: 1

DILUTION FACTOR: 1 Analyst : CPW Notebook Reference : 97-131-3142
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/06/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Methylene Chloride	3100	25
Surrogate Recovery (%)		
Dibromofluoromethane	100	
Toluene-d8	105	
Bromofluorobenzene	103	

DILUTION FACTOR: 1 TO 50

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY
INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55669

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT8915197072 3
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3132
Date Analyzed : 08/05/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<25	25
Vinyl Chloride	36	25
Chloroethane	ND<25	25
Bromomethane	ND<25	25
1,1-Dichloroethene	ND<25	25
Acetone	ND<500	500
Carbon Disulfide	ND<25	25
Methylene Chloride	2500	25
trans-1,2-Dichloroethene	ND<25	25
1,1-Dichloroethane	ND<25	25
cis-1,2-Dichloroethene	840	25
2-Butanone (MEK)	ND<500	500
Chloroform	ND<25	25
1,1,1-Trichloroethane	64	25
Carbon Tetrachloride	ND<25	25
Benzene	ND<25	25
1,2-Dichloroethane	ND<25	25
Trichloroethene	22000 E	25
1,2-Dichloropropane	ND<25	25
Bromodichloromethane	ND<25	25
cis-1,3-Dichloropropene	ND<25	25
4-Methyl-2-pentanone (MIBK)	ND<500	500
Toluene	ND<25	25
trans-1,3-Dichloropropene	ND<25	25
1,1,2-Trichloroethane	ND<25	25

E-ESTIMATED VALUE OVER CALIBRATION CURVE. REANALYSIS WITHIN HOLDING TIME FAILED.

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, N.Y 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID :55669

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT89151970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<25	25
2-Hexanone	ND<500	500
Dibromochloromethane	ND<25	25
Chlorobenzene	ND<25	25
Ethylbenzene	ND<25	25
p-Xylene/m-Xylene	ND<25	25
o-Xylene	ND<25	25
Styrene	ND<25	25
Bromoform	ND<25	25
1,1,2,2-Tetrachloroethane	ND<25	25
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	104	
Bromofluorobenzene	96	

DILUTION FACTOR: 1 TO 50

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 19, 1997

LAB SAMPLE ID :55670

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87171970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3130
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<2	2
Vinyl Chloride	89	2
Chloroethane	ND<2	2
Bromomethane	ND<2	2
1,1-Dichloroethene	ND<2	2
Acetone	ND<50	50
Carbon Disulfide	ND<2	2
Methylene Chloride	3	2
trans-1,2-Dichloroethene	3	2
1,1-Dichloroethane	24	2
cis-1,2-Dichloroethene	530	2
2-Butanone (MEK)	ND<50	50
Chloroform	ND<2	2
1,1,1-Trichloroethane	100	2
Carbon Tetrachloride	ND<2	2
Benzene	ND<2	2
1,2-Dichloroethane	ND<2	2
Trichloroethene	13	2
1,2-Dichloropropane	ND<2	2
Bromodichloromethane	ND<2	2
cis-1,3-Dichloropropene	ND<2	2
4-Methyl-2-pentanone (MIBK)	ND<50	50
Toluene	ND<2	2
trans-1,3-Dichloropropene	ND<2	2
1,1,2-Trichloroethane	ND<2	2

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY INC

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55670

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT8717197O723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO	

Tetrachloroethene	ND<2	2
2-Hexanone	ND<50	50
Dibromochloromethane	ND<2	2
Chlorobenzene	ND<2	2
Ethylbenzene	ND<2	2
p-Xylene/m-Xylene	ND<2	2
o-Xylene	ND<2	2
Styrene	ND<2	2
Bromoform	ND<2	2
1,1,2,2-Tetrachloroethane	ND<2	2
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	104	
Bromofluorobenzene	95	

DILUTION FACTOR: 1 TO 5

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55671

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT8713970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3129
Method : SW846/8260/5030
Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<2	2
Vinyl Chloride	10	2
Chloroethane	ND<2	2
Bromomethane	ND<2	2
1,1-Dichloroethene	ND<2	2
Acetone	ND<50	50
Carbon Disulfide	42	2
Methylene Chloride	22	2
trans-1,2-Dichloroethene	ND<2	2
1,1-Dichloroethane	ND<2	2
cis-1,2-Dichloroethene	87	2
2-Butanone (MEK)	ND<50	50
Chloroform	ND<2	2
1,1,1-Trichloroethane	ND<2	2
Carbon Tetrachloride	ND<2	2
Benzene	ND<2	2
1,2-Dichloroethane	ND<2	2
Trichloroethene	170	2
1,2-Dichloropropane	ND<2	2
Bromodichloromethane	ND<2	2
cis-1,3-Dichloropropene	ND<2	2
4-Methyl-2-pentanone (MIBK)	ND<50	50
Toluene	ND<2	2
trans-1,3-Dichloropropene	ND<2	2
1,1,2-Trichloroethane	ND<2	2

For questions regarding this report, please call and ask for Customer Services.

CC :

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55671

Golder Associates Inc.

SAMPLE SOURCE :	TEXTRON
ORIGIN :	BAT87133970723
DESCRIPTION :	GRAB, 973-9158
SAMPLED ON :	07/23/97 by DW
DATE RECEIVED :	07/24/97
P.O. NO. :	

Tetrachloroethene	ND<2	2
2-Hexanone	ND<50	50
Dibromochloromethane	ND<2	2
Chlorobenzene	ND<2	2
Ethylbenzene	ND<2	2
p-Xylene/m-Xylene	ND<2	2
o-Xylene	ND<2	2
Styrene	ND<2	2
Bromoform	ND<2	2
1,1,2,2-Tetrachloroethane	ND<2	2
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	103	
Bromofluorobenzene	97	

DILUTION FACTOR: 1 TO 5

NY 10262 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55672

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BATFB01
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3127
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/05/97

Compounds Detected	Results	PRATICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	14	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	0.6	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 11, 1997

LAB SAMPLE ID : 55672

Golder Associates Inc.

SAMPLE SOURCE :	TEXTRON
ORIGIN :	BATFB01
DESCRIPTION :	GRAB, 973-9158
SAMPLED ON :	07/23/97 by DW
DATE RECEIVED :	07/24/97
P.O. NO. :	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	101	
Toluene-d8	105	
Bromofluorobenzene	97	

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55673

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT89023970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW | Notebook Reference : 97-131-3083
Method : SW846/8260/5030 | Units : UG/L | Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	1	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55673

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT89023970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	99	
Toluene-d8	103	
Bromofluorobenzene	96	

DILUTION FACTOR: 1

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55674

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT8718197O722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3095
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<50	50
Vinyl Chloride	730	50
Chloroethane	ND<50	50
Bromomethane	ND<50	50
1,1-Dichloroethene	ND<50	50
Acetone	ND<1000	1000
Carbon Disulfide	ND<50	50
Methylene Chloride	130	50
trans-1,2-Dichloroethene	ND<50	50
1,1-Dichloroethane	ND<50	50
cis-1,2-Dichloroethene	6300	50
2-Butanone (MEK)	ND<1000	1000
Chloroform	ND<50	50
1,1,1-Trichloroethane	ND<50	50
Carbon Tetrachloride	ND<50	50
Benzene	ND<50	50
1,2-Dichloroethane	ND<50	50
Trichloroethene	ND<50	50
1,2-Dichloropropane	ND<50	50
Bromodichloromethane	ND<50	50
cis-1,3-Dichloropropene	ND<50	50
4-Methyl-2-pentanone (MIBK)	ND<1000	1000
Toluene	ND<50	50
trans-1,3-Dichloropropene	ND<50	50
1,1,2-Trichloroethane	ND<50	50

For questions regarding this report, please call and ask for Customer Services.

CC :

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI FRIEND LABORATORY INC

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID :55674

Golder Associates Inc.

SAMPLE SOURCE :	TEXTRON
ORIGIN :	BAT87181970722
DESCRIPTION :	GRAB, 973-9158
SAMPLED ON :	07/22/97 by DW
DATE RECEIVED :	07/24/97
P.O. NO. :	

Tetrachloroethene	ND<50	50
2-Hexanone	ND<1000	1000
Dibromochloromethane	ND<50	50
Chlorobenzene	ND<50	50
Ethylbenzene	ND<50	50
p-Xylene/m-Xylene	ND<50	50
o-Xylene	ND<50	50
Styrene	ND<50	50
Bromoform	ND<50	50
1,1,2,2-Tetrachloroethane	ND<50	50
System Monitoring Compounds (%)		
Dibromofluoromethane	108	
Toluene-d8	109	
Bromofluorobenzene	102	

DILUTION FACTOR: 1 TO 100

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55675

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW7970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Notebook Reference : 97-131-3091
Method : SW846/8260/5030
Units : UG/L
Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<25	25
Vinyl Chloride	600	25
Chloroethane	ND<25	25
Bromomethane	ND<25	25
1,1-Dichloroethene	ND<25	25
Acetone	ND<500	500
Carbon Disulfide	ND<25	25
Methylene Chloride	68	25
trans-1,2-Dichloroethene	ND<25	25
1,1-Dichloroethane	25	25
cis-1,2-Dichloroethene	4500	25
2-Butanone (MEK)	ND<500	500
Chloroform	ND<25	25
1,1,1-Trichloroethane	51	25
Carbon Tetrachloride	ND<25	25
Benzene	ND<25	25
1,2-Dichloroethane	ND<25	25
Trichloroethene	150	25
1,2-Dichloropropane	ND<25	25
Bromodichloromethane	ND<25	25
cis-1,3-Dichloropropene	ND<25	25
4-Methyl-2-pentanone (MIBK)	ND<500	500
Toluene	ND<25	25
trans-1,3-Dichloropropene	ND<25	25
1,1,2-Trichloroethane	ND<25	25

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY INC

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55675

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW7970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<25	25
2-Hexanone	ND<500	500
Dibromochloromethane	ND<25	25
Chlorobenzene	ND<25	25
Ethylbenzene	ND<25	25
p-Xylene/m-Xylene	ND<25	25
o-Xylene	ND<25	25
Styrene	ND<25	25
Bromoform	ND<25	25
1,1,2,2-Tetrachloroethane	ND<25	25
System Monitoring Compounds (%)		
Dibromofluoromethane	99	
Toluene-d8	103	
Bromofluorobenzene	98	

DILUTION FACTOR: 1 TO 50

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 6, 1997

LAB SAMPLE ID :55676

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87021970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3087
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	160	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	10	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	0.7	0.5
trans-1,2-Dichloroethene	19	0.5
1,1-Dichloroethane	9	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	4	0.5
1,1,1-Trichloroethane	38	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	2	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5
Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 6, 1997

LAB SAMPLE ID : 55676

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87021970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	102	
Bromofluorobenzene	96	

DILUTION FACTOR: 1

	Analyst : CPW	Notebook Reference : 97-131-3105
Method : SW846/8260/5030	Units : UG/L	Date Analyzed : 08/04/97
Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
---	---	---
cis-1,2-Dichloroethene	3400	12.5
Trichloroethene	1100	12.5
Surrogate Recovery (%)		
Dibromofluoromethane	101	
Toluene-d8	102	
Bromofluorobenzene	96	

DILUTION FACTOR: 1 TO 25

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 6, 1997

LAB SAMPLE ID : 55677

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87021 DUP
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3088
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	160	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	11	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	0.6	0.5
trans-1,2-Dichloroethene	18	0.5
1,1-Dichloroethane	10	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	4	0.5
1,1,1-Trichloroethane	38	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	2	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5
Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 6, 1997

LAB SAMPLE ID : 55677

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87021 DUP
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	102	
Bromofluorobenzene	100	

DILUTION FACTOR: 1

	Analyst : CPW	Notebook Reference : 97-131-3106
Method : SW846/8260/5030	Units : UG/L	Date Analyzed : 08/04/97
Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
---	---	---
cis-1,2-Dichloroethene	3400	12.5
Trichloroethene	1100	12.5
Surrogate Recovery (%)		
Dibromofluoromethane	100	
Toluene-d8	102	
Bromofluorobenzene	97	

DILUTION FACTOR: 1 TO 25

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55678

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87023970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3084
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	1	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	0.6	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 11, 1997

LAB SAMPLE ID : 55678

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87023970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	103	
Bromofluorobenzene	96	

QC EV NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55679

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BATB14970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Method : SW846/8260/5030
Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3085
Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<2	2
Vinyl Chloride	110	2
Chloroethane	ND<2	2
Bromomethane	ND<2	2
1,1-Dichloroethene	3	2
Acetone	ND<50	50
Carbon Disulfide	ND<2	2
Methylene Chloride	3	2
trans-1,2-Dichloroethene	ND<2	2
1,1-Dichloroethane	16	2
cis-1,2-Dichloroethene	600	2
2-Butanone (MEK)	ND<50	50
Chloroform	ND<2	2
1,1,1-Trichloroethane	63	2
Carbon Tetrachloride	ND<2	2
Benzene	ND<2	2
1,2-Dichloroethane	ND<2	2
Trichloroethene	5	2
1,2-Dichloropropane	ND<2	2
Bromodichloromethane	ND<2	2
cis-1,3-Dichloropropene	ND<2	2
4-Methyl-2-pentanone (MIBK)	ND<50	50
Toluene	ND<2	2
trans-1,3-Dichloropropene	ND<2	2
1,1,2-Trichloroethane	ND<2	2

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55679

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BATB14970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<2	2
2-Hexanone	ND<50	50
Dibromochloromethane	ND<2	2
Chlorobenzene	ND<2	2
Ethylbenzene	ND<2	2
p-Xylene/m-Xylene	ND<2	2
o-Xylene	ND<2	2
Styrene	ND<2	2
Bromoform	ND<2	2
1,1,2,2-Tetrachloroethane	ND<2	2
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	103	
Bromofluorobenzene	96	

DILUTION FACTOR: 1 TO 5

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55680

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT9303197072
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3082
Method : SW846/8260/5030 Units : UG/L Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	0.7	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	1	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55680

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT93031970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	97	
Toluene-d8	102	
Bromofluorobenzene	96	

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55681

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW6970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Method : SW846/8260/5030
Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3125
Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	10	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	34	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	0.5
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55681

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW6970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	98	
Toluene-d8	103	
Bromofluorobenzene	96	

NY 10262 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55682

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87200970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3098
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY INC

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID :55682

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87200970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	104	
Bromofluorobenzene	101	

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55683

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87221970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Method : SW846/8260/5030
Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3131
Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<5	5
Vinyl Chloride	50	5
Chloroethane	ND<5	5
Bromomethane	ND<5	5
1,1-Dichloroethene	ND<5	5
Acetone	ND<100	100
Carbon Disulfide	ND<5	5
Methylene Chloride	6	5
trans-1,2-Dichloroethene	5	5
1,1-Dichloroethane	ND<5	5
cis-1,2-Dichloroethene	1000	5
2-Butanone (MEK)	ND<100	100
Chloroform	ND<5	5
1,1,1-Trichloroethane	ND<5	5
Carbon Tetrachloride	ND<5	5
Benzene	ND<5	5
1,2-Dichloroethane	ND<5	5
Trichloroethene	50	5
1,2-Dichloropropane	ND<5	5
Bromodichloromethane	ND<5	5
cis-1,3-Dichloropropene	ND<5	5
4-Methyl-2-pentanone (MIBK)	ND<100	100
Toluene	ND<5	5
trans-1,3-Dichloropropene	ND<5	5
1,1,2-Trichloroethane	ND<5	5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY INC

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55683

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87221970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<5	5
2-Hexanone	ND<100	100
Dibromochloromethane	ND<5	5
Chlorobenzene	ND<5	5
Ethylbenzene	ND<5	5
p-Xylene/m-Xylene	ND<5	5
o-Xylene	ND<5	5
Styrene	ND<5	5
Bromoform	ND<5	5
1,1,2,2-Tetrachloroethane	ND<5	5
System Monitoring Compounds (%)		
Dibromofluoromethane	99	
Toluene-d8	104	
Bromofluorobenzene	97	

DILUTION FACTOR: 1 TO 10

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Sep 25, 1997

LAB SAMPLE ID : 55684

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87121970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Method : SW846/8260/5030
Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3097
Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<25	25
Vinyl Chloride	260	25
Chloroethane	ND<25	25
Bromomethane	ND<25	25
1,1-Dichloroethene	ND<25	25
Acetone	ND<500	500
Carbon Disulfide	ND<25	25
Methylene Chloride	68	25
trans-1,2-Dichloroethene	ND<25	25
1,1-Dichloroethane	ND<25	25
cis-1,2-Dichloroethene	7500	25
2-Butanone (MEK)	ND<500	500
Chloroform	ND<25	25
1,1,1-Trichloroethane	70	25
Carbon Tetrachloride	ND<25	25
Benzene	ND<25	25
1,2-Dichloroethane	ND<25	25
Trichloroethene	5800	25
1,2-Dichloropropane	ND<25	25
Bromodichloromethane	ND<25	25
cis-1,3-Dichloropropene	ND<25	25
4-Methyl-2-pentanone (MIBK)	ND<500	500
Toluene	ND<25	25
trans-1,3-Dichloropropene	ND<25	25
1,1,2-Trichloroethane	ND<25	25

REPORT REISSUED TO CORRECT RESULTS FOR 1,2-DICHLOROETHANE AND TRICHLOROETHENE. AMENDED REPORT

For questions regarding this report, please call and ask for Customer Services.

CC :

QC KM NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Sep 25, 1997

LAB SAMPLE ID :55684

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87121970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<25	25
2-Hexanone	ND<500	500
Dibromochloromethane	ND<25	25
Chlorobenzene	ND<25	25
Ethylbenzene	ND<25	25
p-Xylene/m-Xylene	ND<25	25
o-Xylene	ND<25	25
Styrene	ND<25	25
Bromoform	ND<25	25
1,1,2,2-Tetrachloroethane	ND<25	25
System Monitoring Compounds (%)		
Dibromofluoromethane	99	
Toluene-d8	104	
Bromofluorobenzene	99	

DILUTION FACTOR: 1 TO 50

QC KM NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID : 55685

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW8970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3090
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<12	12
Vinyl Chloride	150	12
Chloroethane	ND<12	12
Bromomethane	ND<12	12
1,1-Dichloroethene	ND<12	12
Acetone	ND<250	250
Carbon Disulfide	ND<12	12
Methylene Chloride	28	12
trans-1,2-Dichloroethene	ND<12	12
1,1-Dichloroethane	16	12
cis-1,2-Dichloroethene	4100	12
2-Butanone (MEK)	ND<250	250
Chloroform	ND<12	12
1,1,1-Trichloroethane	50	12
Carbon Tetrachloride	ND<12	12
Benzene	ND<12	12
1,2-Dichloroethane	ND<12	12
Trichloroethene	2400	12
1,2-Dichloropropane	ND<12	12
Bromodichloromethane	ND<12	12
cis-1,3-Dichloropropene	ND<12	12
4-Methyl-2-pentanone (MIBK)	ND<250	250
Toluene	ND<12	12
trans-1,3-Dichloropropene	ND<12	12
1,1,2-Trichloroethane	ND<12	12

For questions regarding this report, please call and ask for Customer Services.

CC :

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID : 55685

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BATEW8970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<12	12
2-Hexanone	ND<250	250
Dibromochloromethane	ND<12	12
Chlorobenzene	ND<12	12
Ethylbenzene	ND<12	12
p-Xylene/m-Xylene	ND<12	12
o-Xylene	ND<12	12
Styrene	ND<12	12
Bromoform	ND<12	12
1,1,2,2-Tetrachloroethane	ND<12	12
System Monitoring Compounds (%)		
Dibromofluoromethane	103	
Toluene-d8	106	
Bromofluorobenzene	103	

DILUTION FACTOR: 1 TO 25

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55686

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT89021970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO	

Method : SW846/8260/5030
Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3128
Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	50	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	1	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	3	0.5
1,1-Dichloroethane	9	0.5
cis-1,2-Dichloroethene	110	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	2	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	9	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID :55686

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT89021970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	98	
Toluene-d8	103	
Bromofluorobenzene	96	

DILUTION FACTOR: 1

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55687

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	55680MS, BAT93031970722
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : %
Notebook Reference : 97-131-3093
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results
1,1-Dichloroethene	89
Benzene	104
Trichloroethene	102
Toluene	111
Chlorobenzene	110
System Monitoring Compounds (%)	
Dibromofluoromethane	106
Toluene-d8	108
Bromofluorobenzene	101

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

NY 10262 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 22, 1997

LAB SAMPLE ID :55688

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	55680MSD/DUP,BAT930319707
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/22/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW Notebook Reference : 97-131-3094

Method : SW846/8260/5030 Units : % Date Analyzed : 08/01/97

Compounds Detected	Results
1,1-Dichloroethene	86
Benzene	100
Trichloroethene	101
Toluene	108
Chlorobenzene	110
System Monitoring Compounds (%)	
Dibromofluoromethane	102
Toluene-d8	106
Bromofluorobenzene	103

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55698

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT8708197O723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Notebook Reference : 97-131-3133
Method : SW846/8240/5030
Units : UG/L
Date Analyzed : 08/05/97

Compounds Detected	Results	PRACTICAL QUANITITATION LIMIT
Chloromethane	ND<25	25
Vinyl chloride	53	25
Chloroethane	ND<25	25
Bromomethane	ND<25	25
1,1-Dichloroethene	ND<25	25
Acetone	ND<500	500
Carbon disulfide	ND<25	25
Methylene chloride	54	25
trans-1,2-Dichloroethene	ND<25	25
1,1-Dichloroethane	ND<25	25
cis-1,2-Dichloroethene	1300	25
2-Butanone (MEK)	ND<500	500
Chloroform	ND<25	25
1,1,1-Trichloroethane	ND<25	25
Carbon tetrachloride	ND<25	25
Benzene	ND<25	25
1,2-Dichloroethane	ND<25	25
Trichloroethene	790	25
1,2-Dichloropropane	ND<25	25
Bromodichloromethane	ND<25	25
cis-1,3-Dichloropropene	ND<25	25
4-Methyl-2-pentanone (MIBK)	ND<500	500
Toluene	ND<25	25
trans-1,3-Dichloropropene	ND<25	25
1,1,2-Trichloroethane	ND<25	25

For questions regarding this report, please call and ask for Customer Services.

CC :

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ *Lab Director*

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 22, 1997

LAB SAMPLE ID :55698

Golder Associates Inc.

SAMPLE SOURCE	TEXTRON
ORIGIN	BAT87081970723
DESCRIPTION	GRAB, 973-9158
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<25	25
2-Hexanone	ND<500	500
Dibromochloromethane	ND<25	25
Chlorobenzene	ND<25	25
Ethylbenzene	ND<25	25
p-Xylene/m-Xylene	ND<25	25
o-Xylene	ND<25	25
Styrene	ND<25	25
Bromoform	ND<25	25
1,1,2,2-Tetrachloroethane	ND<25	25
System Monitoring Compounds (%)		
Dibromofluoromethane	100	
Toluene-d8	104	
Bromofluorobenzene	100	

DILUTION FACTOR: 1 TO 50

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55689

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	FRIEND LABORATORY
ORIGIN	95-045-66-20
DESCRIPTION	TRIP BLANK
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Units : UG/L
Notebook Reference : 97-131-3080
Date Analyzed : 08/01/97

Method : SW846/8260/5030

Compounds Detected	Results	PRACTICAL QUNATITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 11, 1997

LAB SAMPLE ID : 55689

Golder Associates Inc.

SAMPLE SOURCE	FRIEND LABORATORY
ORIGIN	95-045-66-20
DESCRIPTION	TRIP BLANK
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	98	
Toluene-d8	102	
Bromofluorobenzene	95	

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Aug 11, 1997

LAB SAMPLE ID : 55690

Golder Associates Inc.
Anthony Grasso
2221 Niagara Falls Blvd.
L.P.O. Box 4069
Niagara Falls NY 14304-4069

SAMPLE SOURCE	FRIEND LABORATORY
ORIGIN	95-045-66-28
DESCRIPTION	TRIP BLANK
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Analyst : CPW
Notebook Reference : 97-131-3081
Method : SW846/8260/5030
Units : UG/L
Date Analyzed : 08/01/97

Compounds Detected	Results	PRACTICAL QUANTITATION LIMIT
Chloromethane	ND<0.5	0.5
Vinyl Chloride	ND<0.5	0.5
Chloroethane	ND<0.5	0.5
Bromomethane	ND<0.5	0.5
1,1-Dichloroethene	ND<0.5	0.5
Acetone	ND<10	10
Carbon Disulfide	ND<0.5	0.5
Methylene Chloride	ND<0.5	0.5
trans-1,2-Dichloroethene	ND<0.5	0.5
1,1-Dichloroethane	ND<0.5	0.5
cis-1,2-Dichloroethene	ND<0.5	0.5
2-Butanone (MEK)	ND<10	10
Chloroform	ND<0.5	0.5
1,1,1-Trichloroethane	ND<0.5	0.5
Carbon Tetrachloride	ND<0.5	0.5
Benzene	ND<0.5	0.5
1,2-Dichloroethane	ND<0.5	0.5
Trichloroethene	ND<0.5	0.5
1,2-Dichloropropane	ND<0.5	0.5
Bromodichloromethane	ND<0.5	0.5
cis-1,3-Dichloropropene	ND<0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	10
Toluene	ND<0.5	0.5
trans-1,3-Dichloropropene	ND<0.5	0.5
1,1,2-Trichloroethane	ND<0.5	0.5

For questions regarding this report, please call and ask for Customer Services.

CC :

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI FRIEND LABORATORY · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Aug 11, 1997

LAB SAMPLE ID : 55690

Golder Associates Inc.

SAMPLE SOURCE	FRIEND LABORATORY
ORIGIN	95-045-66-28
DESCRIPTION	TRIP BLANK
SAMPLED ON	07/23/97 by DW
DATE RECEIVED	07/24/97
P.O. NO.	

Tetrachloroethene	ND<0.5	0.5
2-Hexanone	ND<10	10
Dibromochloromethane	ND<0.5	0.5
Chlorobenzene	ND<0.5	0.5
Ethylbenzene	ND<0.5	0.5
p-Xylene/m-Xylene	ND<0.5	0.5
o-Xylene	ND<0.5	0.5
Styrene	ND<0.5	0.5
Bromoform	ND<0.5	0.5
1,1,2,2-Tetrachloroethane	ND<0.5	0.5
System Monitoring Compounds (%)		
Dibromofluoromethane	97	
Toluene-d8	103	
Bromofluorobenzene	95	

Approved by: _____ Lab Director

KEY:
ND = None Detected
< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)
mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank
J = result estimated below the quantitation limit

Golder Associates, Inc.
Monitoring Points – Textron
Sampled July 22 & 23, 1997

Quality Control Report Index

FLI
FRIEND LABORATORY I · N · C

Laboratory Validation and Useability Assessment

Project: Golder Associates, Inc.
Bell Textron Aerospace
Sampled on July 22 & 23, 1997

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data which is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

Validation

Volatiles - EPA 8260

Samples were analyzed by EPA method 8260 using a five milliliter purge volume for the Target Compound List.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS 8260	SV GC/MS	VOA GC	PCB PEST	METALS	OTHER
BAT87041970723	55668	*					
BAT89151970723	55669	*					
BAT87171970723	55670	*					
BAT87133970723	55671	*					
BATFB01	55672	*					
BAT89023970722	55673	*					
BAT87181970722	55674	*					
BATEW7970722	55675	*					
BAT87021970723	55676	*					
BAT87021 DUP	55677	*					
BAT87023970723	55678	*					
BATB14970723	55679	*					
BAT93031970722	55680	*					
BATEW6970722	55681	*					
BAT87200970722	55682	*					
BAT87221970722	55683	*					
BAT87121970722	55684	*					
BATEW8970722	55685	*					
BAT89021970722	55686	*					
BAT93031970722 MS	55687	*					
BAT93031970722 MSD/DUP	55688	*					
TRIP BLANK 07/23/97	55689	*					
TRIP BLANK 07/23/97	55690	*					
BAT87081970723	55698	*					

01

Surrogate recoveries for all site samples were within laboratory acceptance limits.

One site sample, BAT93031, was spiked in duplicate. Recoveries were within acceptance limits.

Three check samples were associated with the site samples. Recoveries were within acceptance limits.

Precision as indicated by %RPD was within acceptance limits.

No analytical difficulties were encountered.

Useability Assessment

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those which were qualified in this Laboratory Validation.

Laboratory validation and

usability assessment conducted by: Teresa B. Bishop

Date: August 22, 1997

Teresa B. Bishop
Quality Assurance

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOA 8260
ANALYSES

Customer Sample Code	Laboratory Sample Code	Matrix	Date Collected	Date Received	Low Level Med. Level	Date Analyzed
BAT87041970723	55668	WATER	07/23/97	07/24/97	LOW	08/05&06/97
BAT89151970723	55669	WATER	07/23/97	07/24/97	LOW	08/05/97
BAT87171970723	55670	WATER	07/23/97	07/24/97	LOW	08/05/97
BAT87133970723	55671	WATER	07/23/97	07/24/97	LOW	08/05/97
BATFB01	55672	WATER	07/23/97	07/24/97	LOW	08/05/97
BAT89023970722	55673	WATER	07/22/97	07/24/97	LOW	08/01/97
BAT87181970722	55674	WATER	07/22/97	07/24/97	LOW	08/01/97
BATEW7970722	55675	WATER	07/22/97	07/24/97	LOW	08/01/97
BAT87021970723	55676	WATER	07/23/97	07/24/97	LOW	08/01&04/97
BAT87021 DUP	55677	WATER	07/23/97	07/24/97	LOW	08/01&04/97
BAT87023970723	55678	WATER	07/23/97	07/24/97	LOW	08/01/97
BATB14970723	55679	WATER	07/23/97	07/24/97	LOW	08/01/97
BAT93031970722	55680	WATER	07/22/97	07/24/97	LOW	08/01/97
BATEW6970722	55681	WATER	07/22/97	07/24/97	LOW	08/05/97
BAT87200970722	55682	WATER	07/22/97	07/24/97	LOW	08/01/97
BAT87221970722	55683	WATER	07/22/97	07/24/97	LOW	08/05/97
BAT87121970722	55684	WATER	07/22/97	07/24/97	LOW	08/01/97
BATEW8970722	55685	WATER	07/22/97	07/24/97	LOW	08/01/97
BAT89021970722	55686	WATER	07/22/97	07/24/97	LOW	08/05/97
BAT93031970722 MS	55687	WATER	07/22/97	07/24/97	LOW	08/01/97
BAT93031970722 MSD/DUP	55688	WATER	07/22/97	07/24/97	LOW	08/01/97
TRIP BLANK 07/23/97	55689	WATER	07/23/97	07/24/97	LOW	08/01/97
TRIP BLANK 07/23/97	55690	WATER	07/23/97	07/24/97	LOW	08/01/97
BAT87081970723	55698	WATER	07/23/97	07/24/97	LOW	08/05/97

Sample Analysis Summary
VOA

02

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Friend Laboratory Inc.

Lab Code: NY033 Case No.:_____ SAS No.:_____ SDG No.: GOLDER

Level:[low/med] LOW

	FLI SAMPLE NO.	SMC1 [DBFM] #	SMC2 [TOL] #	SMC3 [BFB] #	OTHER	TOT OUT
1	VBLK D3079	96	104	96		0
2	55689	98	103	95		0
3	55690	97	103	95		0
4	55680	97	102	96		0
5	55673	99	103	96		0
6	55678	100	103	96		0
7	55679 (1:5)	100	103	96		0
8	55676	100	102	96		0
9	55677	100	102	100		0
10	55685 (1:25)	103	106	103		0
11	55675 (1:50)	99	103	98		0
12	VBLKMS D3092	103	106	102		0
13	55687 MS	106	108	101		0
14	55688 MSD	102	106	103		0
15	55674 (1:100)	108	109	103		0
16	55684 (1:50)	99	104	99		0
17	55682	100	104	101		0
18	VBLK D3101	98	101	97		0
19	55676 (1:25)	101	102	96		0
20	55677 (1:25)	100	102	97		0
21	VBLKMS D3116	99	102	96		0
22	VBLK D3124	97	102	95		0
23	55681	98	103	96		0
24	55668	99	104	96		0
25	55672	101	105	97		0
26	55686	99	103	96		0
27	55671 (1:5)	100	103	97		0
28	55670 (1:5)	100	104	95		0
29	55683 (1:10)	99	104	97		0
30	55669 (1:50)	100	104	96		0

SMC1 [DBFM] = Dibromofluoromethane	80 -	115
SMC2 [TOL] = Toluene-d8	89 -	118
SMC3 [BFB] = 4-Bromofluorobenzene	79 -	126

Column to be used to flag recovery values

* Values outside required QC limits

D Surrogate diluted out

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Friend Laboratory Inc.

Lab Code: NY033 Case No.:_____ SAS No.:_____ SDG No.: GOLDER

Level:[low/med] LOW

	FLI SAMPLE NO.	SMC1 [DBFM] #	SMC2 [TOL] #	SMC3 [BFB] #	OTHER	TOT OUT
1	55698 (1:50)	100	104	100		0
2	VBLKMS D3139	98	104	96		0
3	55668 (1:50)	100	105	103		0
4						0
5						0
6						0
7						0
8						0
9						0
10						0
11						0
12						0
13						0
14						0
15						0
16						0
17						0
18						0
19						0
20						0
21						0
22						0
23						0
24						0
25						0
26						0
27						0
28						0
29						0
30						0

SMC1 [DBFM] = Dibromofluoromethane	80 -	115
SMC2 [TOL] = Toluene-d8	89 -	118
SMC3 [BFB] = 4-Bromofluorobenzene	79 -	126

Column to be used to flag recovery values
* Values outside required QC limits
D Surrogate diluted out

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Initial Calibration

Non-Spiked Sample: D3082.D BAT 93031 970722, PL# 55680

	Spike Sample	Spike Duplicate Sample
File ID :	D3093.D	D3094.D
Sample :	ww 7 55687ms Golder 8240 7/22	ww 8 55688msd Golder 82
Acq Time:	1 Aug 97 7:03 pm	1 Aug 97 7:34 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.0	25	22	22	89	86	4	14	61-145
Benzene	0.1	25	26	25	104	100	4	11	76-127
Trichloroethene	0.0	25	26	25	102	101	2	14	71-120
Toluene	0.0	25	28	27	111	108	3	13	76-125
Chlorobenzene	0.0	25	28	27	110	110	0	13	75-130

7-31826.M Mon Aug 04 10:47:01 1997 MSD-D

OS

FLI 8240/8260 Check Sample Report

Date Analyzed: 08/01/97
Analyst: CPW
Reference: 97-082- D3092.D
Sample: 6 25 ug/l 8240 Check clp

COMPOUND NAME	Calc Conc	Actual Conc @ 50	Percent Recovery	QC Limits
Dibromofluoromethane	51.66	50.00	103	80 - 115
1,1-Dichloroethene	21.92	25.00	88	61 - 114
Benzene	25.28	25.00	101	76 - 127
Trichloroethene	25.67	25.00	103	71 - 120
Toluene-d8	52.87	50.00	106	89 - 117
Toluene	26.81	25.00	107	76 - 125
Chlorobenzene	27.19	25.00	109	75 - 130
4-Bromofluorobenzene	50.86	50.00	102	79 - 126

#-Denotes % Recovery outside of QC acceptance limits

06

FLI 8240/8260 Check Sample Report

Date Analyzed: 08/04/97
Analyst: CPW
Reference: 97-082- D3116.D
Sample: 14 25 ug/l 8240 Check clp

COMPOUND NAME	Calc Conc	Actual Conc @ 50	Percent Recovery	QC Limits
Dibromofluoromethane	49.30	50.00	99	80 - 115
1,1-Dichloroethene	20.67	25.00	83	61 - 114
Benzene	24.47	25.00	98	76 - 127
Trichloroethene	25.32	25.00	101	71 - 120
Toluene-d8	50.85	50.00	102	89 - 117
Toluene	26.26	25.00	105	76 - 125
Chlorobenzene	27.22	25.00	109	75 - 130
4-Bromofluorobenzene	48.23	50.00	96	79 - 126

#-Denotes % Recovery outside of QC acceptance limits

07

FLI 8240/8260 Check Sample Report

Date Analyzed: 08/05/97
Analyst: CPW
Reference: 97-082- D3139.D
Sample: 5 25 ug/l 8240 Check
clp

COMPOUND NAME	Calc Conc	Actual Conc @ 50	Percent Recovery	QC Limits
Dibromofluoromethane	48.80	50.00	98	80 - 115
1,1-Dichloroethene	18.66	25.00	75	61 - 114
Benzene	22.59	25.00	90	76 - 127
Trichloroethene	23.26	25.00	93	71 - 120
Toluene-d8	51.88	50.00	104	89 - 117
Toluene	24.59	25.00	98	76 - 125
Chlorobenzene	25.42	25.00	102	75 - 130
4-Bromofluorobenzene	48.09	50.00	96	79 - 126

#-Denotes % Recovery outside of QC acceptance limits

08

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: Friend Laboratory Inc. Contract: _____

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: 97-131-3124 Lab Sample ID: WATER BLANK

Date Analyzed: 08/05/97 Time Analyzed: 1500

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: MSD-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	BATEW6970722	55681	3125	1531
2	BAT87041970723	55668	3126	1601
3	BATFB01	55672	3127	1632
4	BAT89021970722	55686	3128	1703
5	BAT87133970723	55671	3129	1734
6	BAT87171970723	55670	3130	1805
7	BAT87221970722	55683	3131	1836
8	BAT89151970723	55669	3132	1907
9	BAT87081970723	55698	3133	1931
10	BLANK SPIKE 08/05/97	VBLKMS	3139	2245
11	BAT87041970723	55668 (1:50)	3142	0017
12				
13				
14				
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30				

COMMENTS:

FORM IV VOA

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: Friend Laboratory Inc. Contract: _____

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: 97-131-3079 Lab Sample ID: WATER BLANK

Date Analyzed: 08/01/97 Time Analyzed: 1111

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: MSD-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	TRIP BLANK 07/23/97	55689	3080	1141
2	TRIP BLANK 07/23/97	55690	3081	1212
3	BAT93031970722	55680	3082	1324
4	BAT89023970722	55673	3083	1355
5	BAT87023970723	55678	3084	1425
6	BATB14970723	55679	3085	1456
7	BAT87021970723	55676	3087	1558
8	BAT87021 DUP	55677	3088	1629
9	BATEW8970722	55685	3090	1731
10	BATEW7970722	55675	3091	1802
11	BLANK SPIKE 08/01/97	VBLKMS	3092	1832
12	BAT93031970722 MS	55687 MS	3093	1903
13	BAT93031970722 MSD	55688 MSD	3094	1934
14	BAT871970722	55674	3095	2005
15	BAT87121970722	55684	3097	2107
16	BAT87200970722	55682	3098	2138
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28				
29				
30				

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: Friend Laboratory Inc. Contract: _____

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: 97-131-3101 Lab Sample ID: WATER BLANK

Date Analyzed: 08/04/97 Time Analyzed: 1218

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: MSD-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	BAT87021970723	55676 (1:25)	3105	1423
2	BAT87021 DUP	55677 (1:25)	3106	1454
3	BLANK SPIKE 08/04/97	VBLKMS	3116	2011
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5				
6				
7				
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COMMENTS:

Friend Laboratory Inc.
Method Blank Analysis
EPA 8260 Target Compound List

DATE: 08/05/97 REFERENCE: 97-131-3124 ANALYST: CPW

ANALYTE	ug/L
Chloromethane	ND<0.5
Vinyl Chloride	ND<0.5
Bromomethane	ND<0.5
Chloroethane	ND<0.5
1,1-Dichloroethene	ND<0.5
Acetone	ND<10
Carbon Disulfide	ND<0.5
Methylene chloride	ND<0.5
trans-1,2-Dichloroethene	ND<0.5
1,1-Dichloroethane	ND<0.5
cis-1,2-Dichloroethene	ND<0.5
Methyl ethyl ketone	ND<10
Chloroform	ND<0.5
1,1,1-Trichloroethane	ND<0.5
Carbon tetrachloride	ND<0.5
Benzene	ND<0.5
1,2-Dichloroethane	ND<0.5
Trichloroethene	ND<0.5
1,2-Dichloropropane	ND<0.5

ANALYTE	ug/L
Bromodichloromethane	ND<0.5
cis-1,3-Dichloropropene	ND<0.5
Methyl Isobutyl Ketone	ND<10
Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5
1,1,2-Trichloroethane	ND<0.5
Tetrachloroethene	ND<0.5
2-Hexanone	ND<10
Dibromochloromethane	ND<0.5
Chlorobenzene	ND<0.5
Ethylbenzene	ND<0.5
p-Xylene/m-Xylene	ND<0.5
o-Xylene	ND<0.5
Styrene	ND<0.5
Bromoform	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5

11A

Friend Laboratory Inc.
Method Blank Analysis
EPA 8260 Target Compound List

DATE: 08/01/97 REFERENCE: 97-131-3079 ANALYST: CPW

ANALYTE	ug/L
Chloromethane	ND<0.5
Vinyl Chloride	ND<0.5
Bromomethane	ND<0.5
Chloroethane	ND<0.5
1,1-Dichloroethene	ND<0.5
Acetone	ND<10
Carbon Disulfide	0.25 J
Methylene chloride	ND<0.5
trans-1,2-Dichloroethene	ND<0.5
1,1-Dichloroethane	ND<0.5
cis-1,2-Dichloroethene	ND<0.5
Methyl ethyl ketone	ND<10
Chloroform	ND<0.5
1,1,1-Trichloroethane	0.23 J
Carbon tetrachloride	ND<0.5
Benzene	ND<0.5
1,2-Dichloroethane	ND<0.5
Trichloroethene	ND<0.5
1,2-Dichloropropane	ND<0.5

ANALYTE	ug/L
Bromodichloromethane	ND<0.5
cis-1,3-Dichloropropene	ND<0.5
Methyl Isobutyl Ketone	ND<10
Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5
1,1,2-Trichloroethane	ND<0.5
Tetrachloroethene	0.39 J
2-Hexanone	ND<10
Dibromochloromethane	ND<0.5
Chlorobenzene	ND<0.5
Ethylbenzene	0.44 J
p-Xylene/m-Xylene	0.44 J
o-Xylene	ND<0.5
Styrene	ND<0.5
Bromoform	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5

Friend Laboratory Inc.
Method Blank Analysis
EPA 8260 Target Compound List

DATE: 08/04/97 REFERENCE: 97-131-3101 ANALYST: CPW

ANALYTE	ug/L
Chloromethane	ND<0.5
Vinyl Chloride	ND<0.5
Bromomethane	ND<0.5
Chloroethane	ND<0.5
1,1-Dichloroethene	ND<0.5
Acetone	ND<10
Carbon Disulfide	ND<0.5
Methylene chloride	0.31 J
trans-1,2-Dichloroethene	ND<0.5
1,1-Dichloroethane	ND<0.5
cis-1,2-Dichloroethene	ND<0.5
Methyl ethyl ketone	6.81 J
Chloroform	ND<0.5
1,1,1-Trichloroethane	ND<0.5
Carbon tetrachloride	ND<0.5
Benzene	ND<0.5
1,2-Dichloroethane	ND<0.5
Trichloroethene	ND<0.5
1,2-Dichloropropane	ND<0.5

ANALYTE	ug/L
Bromodichloromethane	ND<0.5
cis-1,3-Dichloropropene	ND<0.5
Methyl Isobutyl Ketone	ND<10
Toluene	ND<0.5
trans-1,3-Dichloropropene	ND<0.5
1,1,2-Trichloroethane	ND<0.5
Tetrachloroethene	0.59
2-Hexanone	ND<10
Dibromochloromethane	ND<0.5
Chlorobenzene	ND<0.5
Ethylbenzene	0.38 J
p-Xylene/m-Xylene	ND<0.5
o-Xylene	ND<0.5
Styrene	ND<0.5
Bromoform	ND<0.5
1,1,2,2-Tetrachloroethane	ND<0.5

11C

CLPBFB

Data File : C:\HPCHEM\1\DATA\D3069.D
Acq Time : 31 Jul 97 4:25 pm
Sample : 1 BFB Tune Report
Misc : 50 ng on column (10 ul 96-091-21-4->5ml

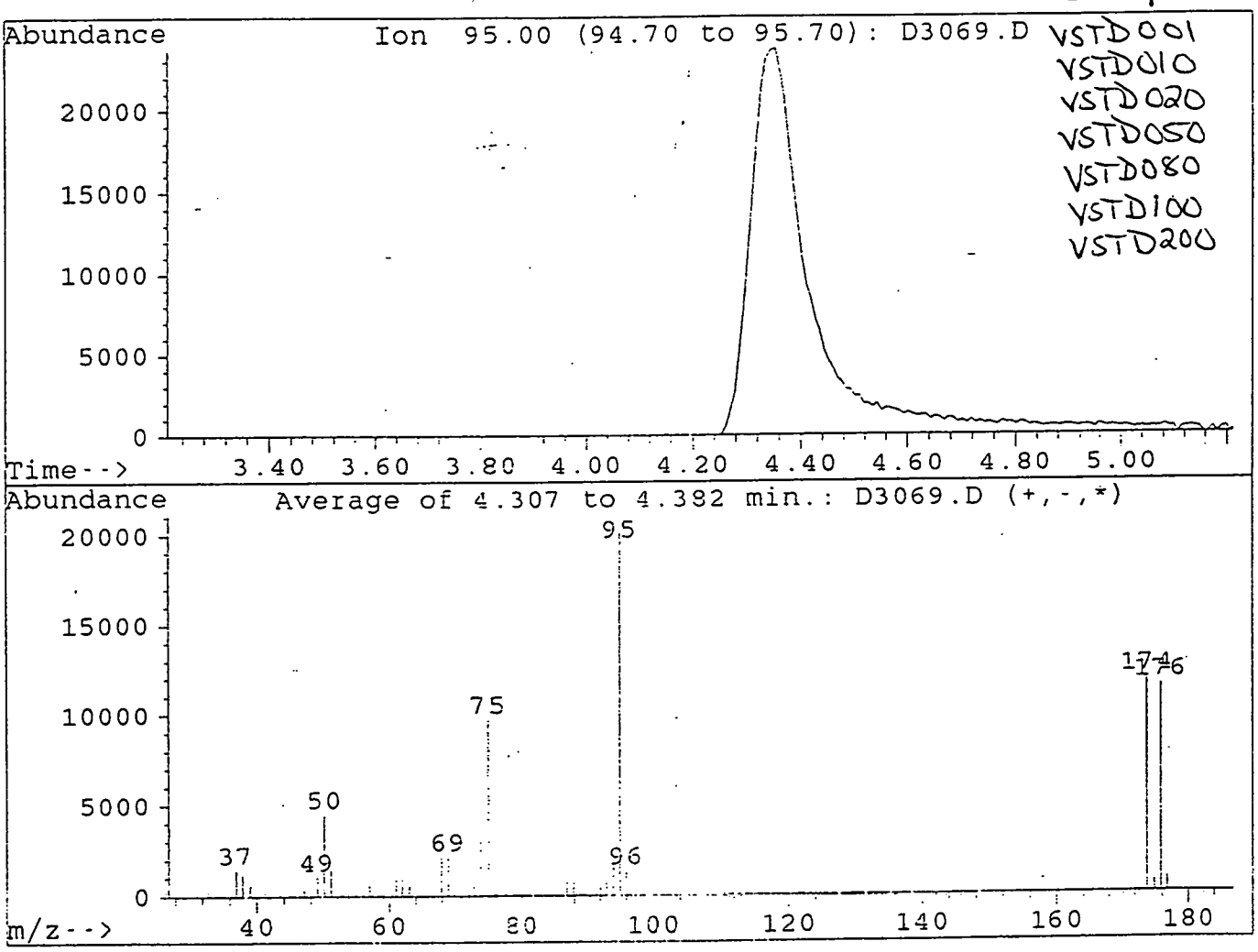
Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260

Sample

File #

3070 VSTD001
3071 VSTD010
3072 VSTD020
3073 VSTD050
3074 VSTD080
3075 VSTD100
3076 VSTD200



Peak Apex is scan: 142

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	4482	PASS
75	95	30	60	48.2	9723	PASS
95	95	100	100	100.0	20171	PASS
96	95	5	9	6.6	1324	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	58.6	11817	PASS
175	174	5	9	5.6	666	PASS
176	174	95	101	97.2	11492	PASS
177	176	5	9	7.2	830	PASS

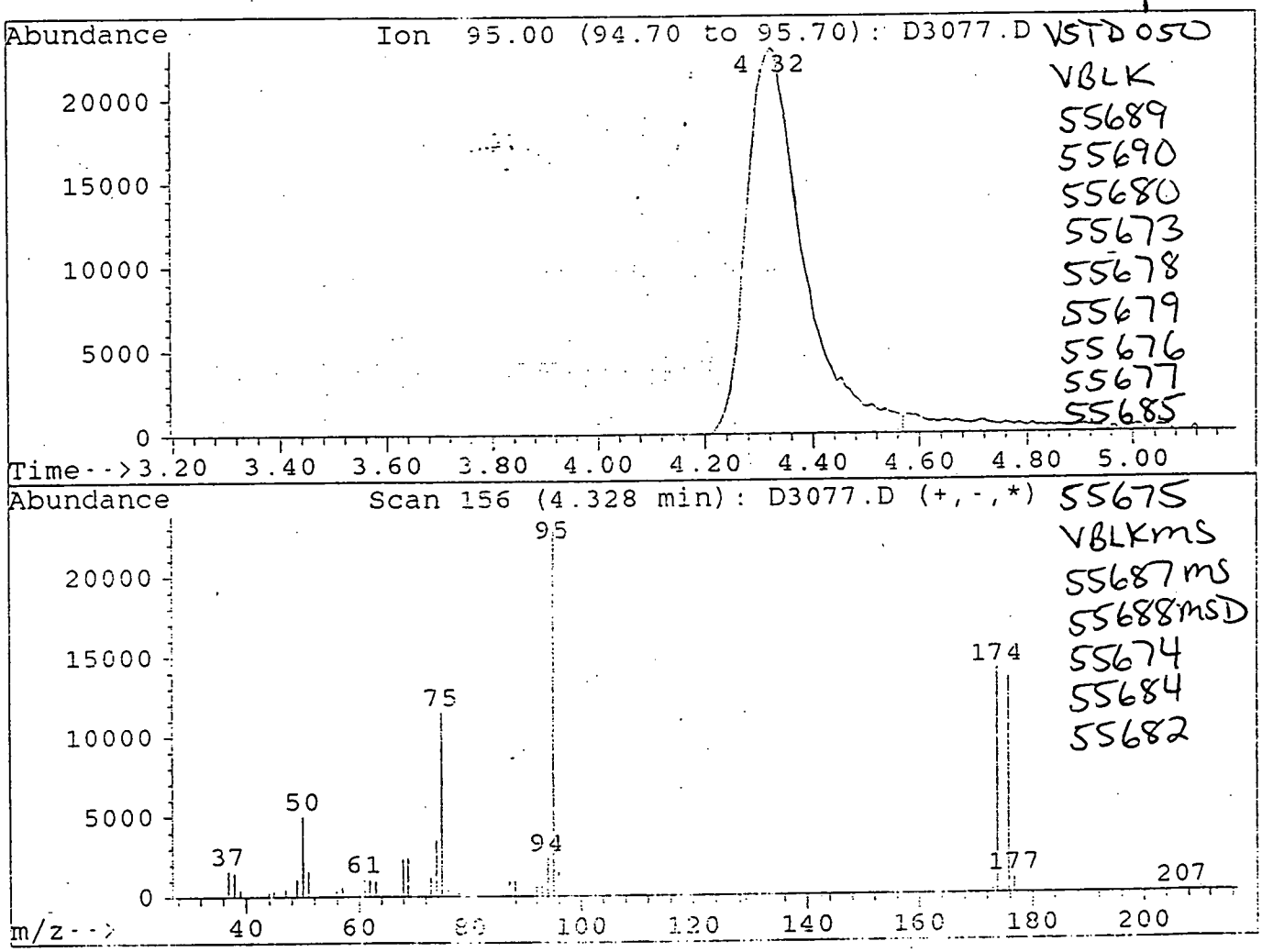
D3069.D 7-31826.M Thu Jul 31 16:32:26 1997 MSD-D

CLPBFB

Data File : C:\HPCHEM\1\DATA\D3077.D
Acq Time : 1 Aug 97 10:12 am
Sample : 7 BFB Tune Report
Misc : 50 ng on column (10 ul 96-091-21-4->5ml

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFBCHK.M
Title :



Sample	File#
VSTD050	3078
VBLK	3079
55689	3080
55690	3081
55680	3082
55673	3083
55678	3084
55679	3085
55676	3087
55677	3088
55685	3090
55675	3091
VBLKMS	3092
55687MS	3093
55688MSD	3094
55674	3095
55684	3097
55682	3098

Peak Apex is scan: 155

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	4999	PASS
75	95	30	80	50.6	11508	PASS
95	95	100	100	100.0	22736	PASS
96	95	5	9	6.9	1566	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	61.8	14060	PASS
175	174	5	9	5.0	705	PASS
176	174	95	101	96.8	13614	PASS
177	176	5	9	6.8	928	PASS

D3077.D BFBCHK.M Fri Aug 01 10:18:55 1997 MSD-D

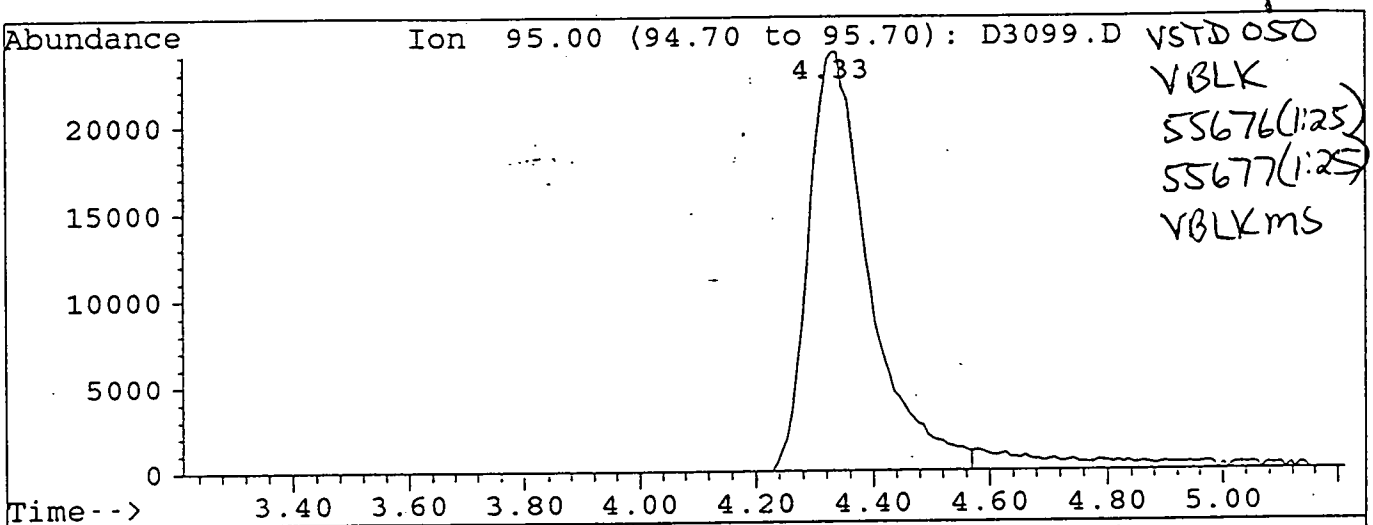
CLPBFB

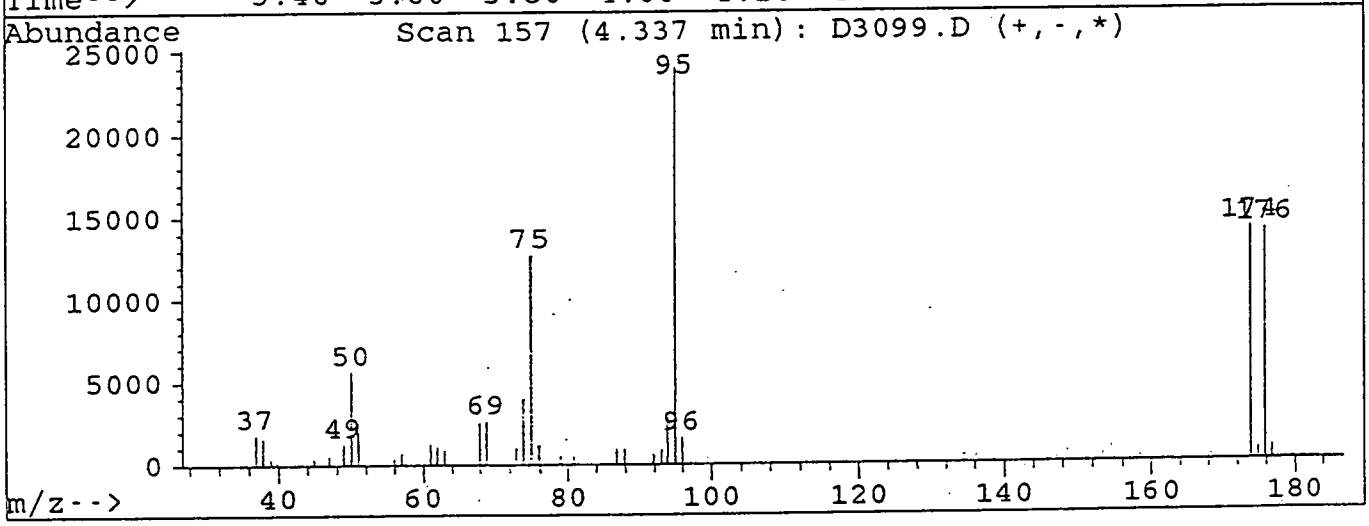
Data File : C:\HPCHEM\1\DATA\D3099.D
Acq Time : 4 Aug 97 11:23 am
Sample : 13 BFB Tune Report
Misc : 50 ng on column (10 ul 96-091-21-4->5ml

Operator: CPW
Inst : EnviroQ\
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFBCHK.M
Title :

Sample	File #
VSTD050	3100
VBLK	3104
55676(1:25)	3105
55677(1:25)	3106
VBLKMS	3116





Peak Apex is scan: 156

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	5632	PASS
75	95	30	80	52.9	12705	PASS
95	95	100	100	100.0	24013	PASS
96	95	5	9	6.6	1590	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	59.0	14172	PASS
175	174	5	9	5.1	718	PASS
176	174	95	101	99.0	14024	PASS
177	176	5	9	6.0	838	PASS

D3099.D BFBCHK.M Mon Aug 04 11:29:37 1997 MSD-D

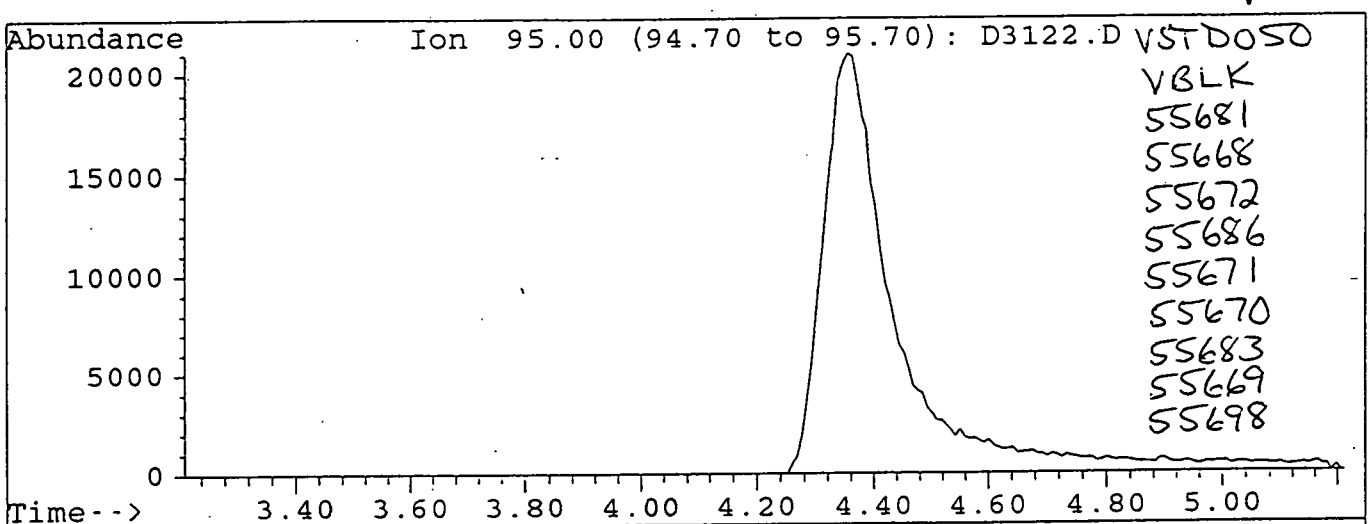
CLPBFB

Data File : C:\HPCHEM\1\DATA\D3122.D
Acq Time : 5 Aug 97 2:03 pm
Sample : 4 BFB Tune Report
Misc : 50 ng on column (10 ul 96-091-21-4->5ml

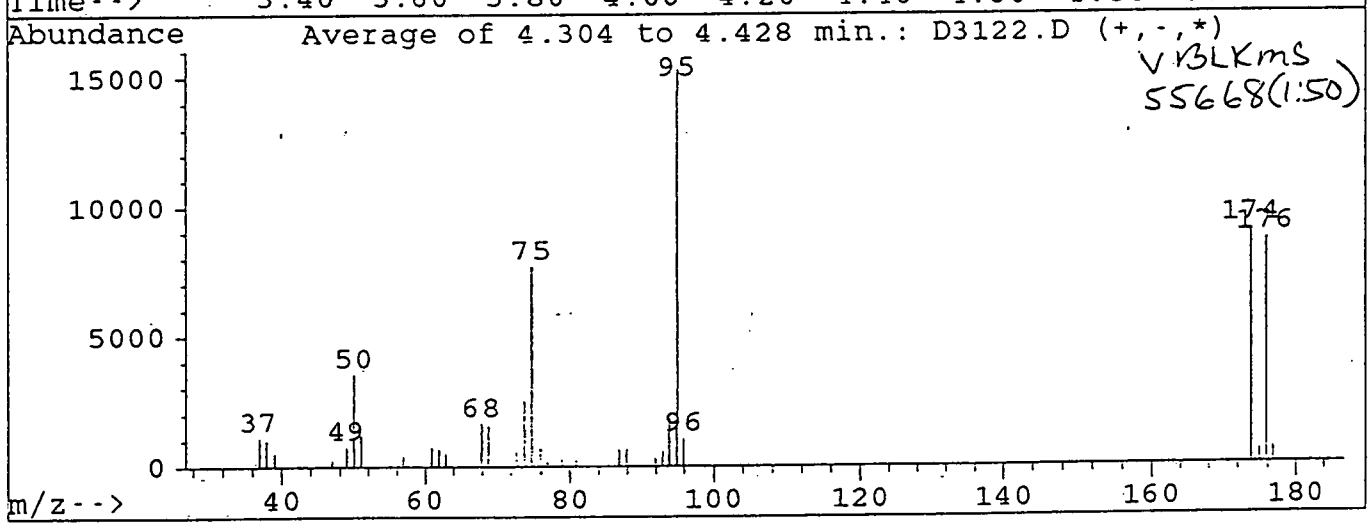
Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260

Sample File#



VSTD050 3123
VBLK 3124
55681 3125
55668 3126
55672 3127
55686 3128
55671 3129
55670 3130
55683 3131
55669 3132
55698 3133



VBLKms 3139
55668(1:50) 3142

Peak Apex is scan: 142

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	3546	PASS
75	95	30	60	50.3	7705	PASS
95	95	100	100	100.0	15314	PASS
96	95	5	9	6.8	1044	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	58.9	9027	PASS
175	174	5	9	5.7	518	PASS
176	174	95	101	96.1	8674	PASS
177	176	5	9	6.9	596	PASS

D3122.D 7-31826.M Tue Aug 05 14:12:23 1997 MSD-D

Calibration Table Report
Method: 7-31826.M
Title: SW846/8240/8260
Last Calibration: Fri Aug 01 09:29:22 1997

Calibration Files

Compound	1 DJ070.D	10 DJ071.D	20 DJ072.D	50 DJ073.D	80 DJ074.D	100 DJ075.D	200 DJ076.D	Avg	Stdev	
Pentafluorobenzene	ISTD									
Dichlorodifluoromethane	0.890	0.925	0.906	0.916	0.892	0.936	0.959	0.918	0.025	2.695
Chloromethane	0.420	0.404	0.397	0.404	0.390	0.411	0.421	0.407	0.012	2.844
Vinyl Chloride	0.357	0.386	0.384	0.391	0.381	0.400	0.413	0.387	0.017	4.431
Bromomethane		0.351	0.311	0.315	0.301	0.314	0.320	0.319	0.017	5.408
Chloroethane	0.198	0.183	0.172	0.173	0.167	0.174	0.173	0.177	0.011	5.931
Trichlorofluoromethane	0.711	0.733	0.715	0.715	0.584	0.576	0.575	0.658	0.075	11.427
Acrolein(2-Propenal)		0.045	0.040	0.047	0.038	0.036	0.035	0.040	0.005	12.318
1,1-Dichloroethene	0.266	0.285	0.280	0.284	0.275	0.291	0.289	0.281	0.009	3.163
1,1,2-Trichloro-1,2,2-trifluoroe	0.679	0.710	0.692	0.690	0.670	0.704	0.699	0.692	0.014	2.021
Iodomethane	0.582	0.597	0.617	0.654	0.630	0.662	0.656	0.629	0.031	4.956
Acetone(2-Propanone)		0.172	0.150	0.147	0.141	0.127	0.121	0.146	0.021	14.098
Carbon Disulfide	0.976	0.904	0.896	0.918	0.889	0.941	0.951	0.925	0.032	3.481
Allyl Chloride (3-Chloro-1-Proper	0.161	0.174	0.172	0.175	0.175	0.178	0.178	0.174	0.006	3.530
Methylene Chloride		0.367	0.353	0.348	0.336	0.352	0.360	0.353	0.011	2.999
trans-1,2-Dichloroethene	0.339	0.332	0.325	0.333	0.325	0.345	0.352	0.334	0.010	3.052
Acrylonitrile(2-Propenenitrile)		0.103	0.109	0.109	0.107	0.110	0.103	0.107	0.003	2.685
MTBE(2-methoxy-2-methyl-propane)		1.079	1.040	1.024	0.987	1.023	1.011	1.027	0.031	3.019
1,1-Dichloroethane	0.774	0.764	0.745	0.760	0.739	0.780	0.797	0.766	0.020	2.634
Vinyl Acetate	1.076	1.119	1.085	1.110	1.033	1.031	0.963	1.059	0.055	5.153
2,2-Dichloropropane	0.721	0.647	0.630	0.624	0.602	0.628	0.642	0.642	0.038	5.892
cis-1,2-Dichloroethene	0.347	0.357	0.349	0.354	0.348	0.367	0.376	0.357	0.011	3.007
MEK(2-Butanone)	0.318	0.285	0.259	0.295	0.258	0.238	0.224	0.268	0.033	12.406
Bromochloromethane	0.190	0.210	0.206	0.211	0.205	0.215	0.218	0.208	0.009	4.377
Chloroform	0.739	0.762	0.757	0.771	0.747	0.793	0.805	0.768	0.024	3.127
1,1,1-Trichloroethane	0.750	0.654	0.646	0.662	0.641	0.681	0.695	0.676	0.038	5.624
Dibromofluoromethane	0.625	0.647	0.648	0.647	0.645	0.663	0.660	0.648	0.012	1.919
Carbon Tetrachloride	0.702	0.537	0.522	0.540	0.531	0.561	0.579	0.567	0.062	10.962
1,1-Dichloropropene	0.155	0.178	0.165	0.157	0.149	0.160	0.162	0.161	0.009	5.615
Benzene	1.218	1.095	1.066	1.074	1.039	1.108	1.115	1.102	0.057	5.214
1,2-Dichloroethane	0.457	0.494	0.493	0.506	0.487	0.511	0.526	0.496	0.022	4.382
1,4-Difluorobenzene	ISTD								######	
Trichloroethene	0.335	0.343	0.342	0.343	0.332	0.345	0.348	0.341	0.005	1.603
1,2-Dichloropropane	0.440	0.442	0.429	0.429	0.414	0.427	0.426	0.430	0.010	2.221
Dibromomethane	0.331	0.351	0.347	0.350	0.337	0.345	0.342	0.343	0.007	2.119
Bromodichloromethane	0.662	0.699	0.693	0.702	0.687	0.711	0.708	0.695	0.017	2.383
2-Chloroethylvinylether	0.245	0.252	0.249	0.252	0.240	0.253	0.244	0.243	0.014	5.872
cis-1,3-Dichloropropene	0.584	0.593	0.587	0.596	0.580	0.598	0.592	0.590	0.006	1.093
Chlorobenzene-d5	ISTD								######	
MIBK(4-Methyl-2-pentanone)		0.642	0.625	0.618	0.562	0.579	0.519	0.591	0.046	7.813
Toluene-d8	1.248	1.236	1.232	1.209	1.203	1.224	1.202	1.222	0.018	1.462
Toluene	0.799	0.737	0.722	0.722	0.694	0.742	0.73	0.7351	0.032	4.354
trans-1,3-Dichloropropene	0.623	0.649	0.646	0.649	0.63	0.672	0.653	0.6459	0.0159	2.466
1,1,2-Trichloroethane	0.42	0.428	0.416	0.414	0.397	0.416	0.399	0.4126	0.011	2.665
EDB (1,2-Dibromomethane)	0.569	0.61	0.602	0.598	0.577	0.606	0.583	0.5921	0.0158	2.669
Tetrachloroethene	0.449	0.391	0.378	0.372	0.356	0.377	0.366	0.3841	0.0304	7.916
1,3-Dichloropropane	0.758	0.761	0.753	0.739	0.716	0.752	0.722	0.7429	0.0178	2.390
2-Hexanone	0.538	0.479	0.502	0.529	0.419	0.47	0.398	0.4762	0.0527	11.059
Dibromochloromethane	0.57	0.608	0.62	0.628	0.612	0.647	0.635	0.6169	0.0248	4.019
Chlorobenzene	0.865	0.864	0.849	0.852	0.813	0.865	0.853	0.8518	0.0183	2.147
1,1,1,2-Tetrachloroethane	0.434	0.448	0.432	0.429	0.415	0.44	0.433	0.4329	0.0102	2.357
Ethylbenzene	0.476	0.423	0.417	0.416	0.396	0.414	0.406	0.4211	0.0257	6.096
p-Xylene/m-Xylene	0.556	0.529	0.512	0.504	0.48	0.501	0.495	0.5113	0.025	4.897

o-Xylene	0.515	0.519	0.506	0.506	0.484	0.499	0.499	0.5042	0.0118	2.331
Styrene	0.886	0.875	0.849	0.871	0.825	0.86	0.849	0.8594	0.0202	2.345
Bromoform	0.449	0.472	0.472	0.48	0.463	0.492	0.467	0.4706	0.0136	2.893
Isopropylbenzene	1.449	1.395	1.369	1.362	1.294	1.347	1.315	1.3618	0.0512	3.763
1,4-Dichlorobenzene-d4	ISTD									######
4-Bromofluorobenzene	1.54	1.554	1.6	1.589	1.618	1.664	1.691	1.6078	0.055	3.422
Bromobenzene	0.782	0.796	0.806	0.795	0.782	0.856	0.827	0.8062	0.027	3.345
1,1,2,2-Tetrachloroethane	1.324	1.391	1.39	1.343	1.303	1.392	1.243	1.3408	0.0561	4.187
1,2,3-Trichloropropane	1.584	1.581	1.516	1.49	1.535	1.657	1.488	1.5373	0.0632	4.109
trans-1,4-Dichloro-2-butene	0.338	0.396	0.415	0.409	0.402	0.437	0.39	0.3981	0.0308	7.725
n-Propylbenzene	3.707	3.552	3.548	3.461	3.359	3.621	3.441	3.527	0.1171	3.321
2-Chlorotoluene	2.73	2.617	2.54	2.531	2.413	2.614	2.517	2.5662	0.0996	3.883
4-Chlorotoluene	2.408	2.617	2.54	2.531	2.413	2.614	2.517	2.5201	0.0845	3.354
1,3,5-Trimethylbenzene	2.111	2.129	2.119	2.057	1.998	2.165	2.085	2.0947	0.0544	2.599
tert-Butylbenzene	1.988	1.938	1.905	1.854	1.816	2.055	1.931	1.9253	0.0799	4.145
1,2,4-Trimethylbenzene	2.135	2.165	2.135	2.091	2.025	2.174	2.096	2.1173	0.0512	2.417
sec-Butylbenzene	3.081	3.05	3.027	3.006	2.974	3.184	3.095	3.0323	0.0932	3.073
1,3-Dichlorobenzene	1.579	1.337	1.298	1.286	1.235	1.322	1.273	1.3329	0.1137	8.527
4-Isopropyltoluene	2.431	2.273	2.253	2.206	2.116	2.344	2.188	2.2586	0.1044	4.621
1,4-Dichlorobenzene	1.352	1.311	1.278	1.301	1.234	1.322	1.273	1.2959	0.0381	2.935
1,2,3-Trimethylbenzene	2.365	2.401	2.334	2.296	2.225	2.392	2.29	2.3286	0.0631	2.710
Benzyl Chloride	1.734	1.821	1.796	1.763	1.662	1.767	1.593	1.7323	0.0787	4.543
1,2-Dichlorobenzene	1.295	1.229	1.205	1.192	1.14	1.221	1.169	1.207	0.0493	4.085
n-Butylbenzene	2.664	2.661	2.583	2.572	2.395	2.607	2.414	2.5568	0.1098	4.296
DBCP(1,2-Dibromo-3-chloropropane)	0.274	0.331	0.341	0.348	0.34	0.37	0.322	0.3325	0.0299	8.998
1,2,4-Trichlorobenzene	1.039	0.933	0.916	0.925	0.921	0.882	0.822	0.9093	0.0749	8.277
Hexachlorobutadiene	0.518	0.521	0.519	0.532	0.449	0.59	0.505	0.5194	0.0415	7.935
Naphthalene	1.934	1.756	1.759	1.796	1.648	1.712	1.542	1.7354	0.1223	7.047
1,2,3-Trichlorobenzene	0.936	0.947	0.83	0.812	0.724	0.778	0.7	0.8039	0.0797	9.909

Fri Aug 01 09:32:19 1997

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3078.D
Acq Time : 1 Aug 97 10:40 am
Sample : 8 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1		Pentafluorobenzene	1.000	1.000	0.0	120	0.00
2		Dichlorodifluoromethane	0.918	0.882	3.9	116	0.00
3		Chloromethane	0.407	0.401	1.5	120	0.00
4		Vinyl Chloride	0.387	0.367	5.4	113	0.00
5		Bromomethane	0.319	0.282	11.4	108	0.00
6		Chloroethane	0.177	0.169	4.6	117	0.00
7		Trichlorofluoromethane	0.658	0.690	-4.9	116	0.00
8		Acrolein(2-Propenal)	0.040	0.036	11.5	90	0.00
9	M	1,1-Dichloroethene	0.281	0.277	1.5	118	0.00
10		1,1,2-Trichloro-1,2,2-trifl	0.692	0.656	5.1	115	0.00
11		Iodomethane	0.629	0.627	0.2	116	0.00
12		Acetone(2-Propanone)	0.146	0.097	33.6#	70	-0.01
13		Carbon Disulfide	0.925	0.887	4.1	116	0.00
14		Allyl Chloride (3-Chloro-1-	0.174	0.175	-0.7	118	0.00
15		Methylene Chloride	0.353	0.337	4.5	117	0.00
16		trans-1,2-Dichloroethene	0.334	0.334	0.3	121	0.00
17		Acrylonitrile(2-Propenenitr	0.107	0.092	13.5	102	0.00
18		MTBE(2-methoxy-2-methyl-pro	1.027	0.900	12.4	106	0.00
19		1,1-Dichloroethane	0.766	0.758	1.0	120	0.00
20		Vinyl Acetate	1.059	1.055	0.4	114	0.00
21		2,2-Dichloropropane	0.642	0.640	0.3	123	-0.01
22		cis-1,2-Dichloroethene	0.357	0.360	-0.8	122	0.00
23		MEK(2-Butanone)	0.268	0.191	28.9#	78	0.00
24		Bromochloromethane	0.208	0.208	0.1	119	0.00
25		Chloroform	0.768	0.738	3.9	115	0.00
26		1,1,1-Trichloroethane	0.676	0.646	4.4	118	-0.01
27	S	Dibromofluoromethane	0.648	0.624	3.7	116	-0.02
28		Carbon Tetrachloride	0.567	0.527	7.1	118	0.00
29		1,1-Dichloropropene	0.161	0.156	2.9	120	0.00
30	M	Benzene	1.102	1.088	1.3	122	-0.01
31		1,2-Dichloroethane	0.496	0.472	4.9	112	-0.01
32		1,4-Difluorobenzene	1.000	1.000	0.0	120	-0.01
33	M	Trichloroethene	0.341	0.336	1.6	117	-0.01
34		1,2-Dichloropropane	0.430	0.427	0.5	119	-0.01
35		Dibromomethane	0.343	0.319	6.9	110	-0.02
36		Bromodichloromethane	0.696	0.675	2.9	115	-0.01
37		2-Chloroethylvinylether	0.243	0.227	6.5	129	-0.02
38		cis-1,3-Dichloropropene	0.590	0.592	-0.4	119	-0.02

18

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3078.D
Acq Time : 1 Aug 97 10:40 am
Sample : 8 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
40		MIBK(4-Methyl-2-pentanone)	0.591	0.485	18.0	88	-0.01
41	S	Toluene-d8	1.222	1.243	-1.7	116	-0.02
42	M	Toluene	0.735	0.751	-2.1	117	-0.01
43		trans-1,3-Dichloropropene	0.646	0.661	-2.3	115	-0.02
44		1,1,2-Trichloroethane	0.413	0.404	2.0	110	-0.03
45		EDB (1,2-Dibromomethane)	0.592	0.571	3.5	108	-0.02
46		Tetrachloroethene	0.384	0.398	-3.6	120	-0.02
47		1,3-Dichloropropane	0.743	0.725	2.4	110	-0.01
48		2-Hexanone	0.476	0.379	20.4#	81	-0.02
49		Dibromochloromethane	0.617	0.630	-2.1	113	-0.01
50	M	Chlorobenzene	0.852	0.861	-1.1	114	-0.02
51		1,1,1,2-Tetrachloroethane	0.433	0.452	-4.5	119	-0.01
52		Ethylbenzene	0.421	0.422	-0.3	114	-0.02
53		p-Xylene/m-Xylene	0.511	0.515	-0.7	115	-0.02
54		o-Xylene	0.504	0.515	-2.1	114	-0.02
55		Styrene	0.859	0.905	-5.3	117	0.00
56		Bromoform	0.471	0.465	1.1	109	-0.02
57		Isopropylbenzene	1.362	1.385	-1.7	114	-0.02
58		1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	-0.02
59	S	4-Bromofluorobenzene	1.608	1.585	1.4	112	-0.02
60		Bromobenzene	0.806	0.830	-3.0	118	-0.02
61		1,1,2,2-Tetrachloroethane	1.341	1.160	13.5	97	-0.03
62		1,2,3-Trichloropropane	1.537	1.383	10.5	98	-0.06
63		trans-1,4-Dichloro-2-butene	0.398	0.356	10.6	98	-0.02
64		n-Propylbenzene	3.527	3.459	1.9	113	-0.02
65		2-Chlorotoluene	2.566	2.521	1.8	112	-0.02
66		4-Chlorotoluene	2.520	2.521	-0.0	112	-0.02
67		1,3,5-Trimethylbenzene	2.095	2.080	0.7	114	-0.02
68		tert-Butylbenzene	1.927	1.951	-1.2	119	-0.03
69		1,2,4-Trimethylbenzene	2.117	2.097	0.9	113	-0.02
70		sec-Butylbenzene	3.032	3.013	0.6	113	-0.01
71		1,3-Dichlorobenzene	1.333	1.339	-0.5	117	-0.01
72		4-Isopropyltoluene	2.259	2.253	0.2	115	-0.01
73		1,4-Dichlorobenzene	1.296	1.318	-1.7	114	-0.02
74		1,2,3-Trimethylbenzene	2.329	2.295	1.4	113	-0.02
75		Benzyl Chloride	1.732	1.646	5.0	105	-0.02
76		1,2-Dichlorobenzene	1.207	1.215	-0.6	115	-0.02
77		n-Butylbenzene	2.557	2.503	2.1	110	-0.02
78		DBCP(1,2-Dibromo-3-chloropr	0.333	0.270	18.9	87	-0.02

19

(#) = Out-of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3078.D
Acq Time : 1 Aug 97 10:40 am
Sample : 8 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
79	1,2,4-Trichlorobenzene	0.905	0.914	-0.9	112	0.00
80	Hexachlorobutadiene	0.519	0.538	-3.6	114	-0.03
81	Napthalene	1.735	1.492	14.0	94	-0.02
82	1,2,3-Trichlorobenzene	0.804	0.776	3.5	108	0.00

20

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3100.D
Acq Time : 4 Aug 97 11:48 am
Sample : 14 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1		Pentafluorobenzene	1.000	1.000	0.0	112	-0.02
2		Dichlorodifluoromethane	0.918	0.858	6.5	105	0.00
3		Chloromethane	0.407	0.363	10.6	101	0.00
4		Vinyl Chloride	0.387	0.359	7.3	103	0.00
5		Bromomethane	0.319	0.199	37.5#	71	0.00
6		Chloroethane	0.177	0.176	0.9	113	-0.02
7		Trichlorofluoromethane	0.658	0.617	6.3	96	-0.03
8		Acrolein(2-Propenal)	0.040	0.034	16.1	79	0.00
9	M	1,1-Dichloroethene	0.281	0.284	-1.0	112	-0.02
10		1,1,2-Trichloro-1,2,2-trifl	0.692	0.698	-0.9	113	-0.03
11		Iodomethane	0.629	0.549	12.6	94	-0.03
12		Acetone(2-Propanone)	0.146	0.131	10.6	88	0.00
13		Carbon Disulfide	0.925	0.818	11.6	99	-0.03
14		Allyl Chloride (3-Chloro-1-	0.174	0.184	-5.9	115	-0.03
15		Methylene Chloride	0.353	0.362	-2.7	116	-0.02
16		trans-1,2-Dichloroethene	0.334	0.344	-2.9	115	-0.02
17		Acrylonitrile(2-Propenenitr	0.107	0.097	8.8	100	0.00
18		MTBE(2-methoxy-2-methyl-pro	1.027	0.981	4.5	107	0.00
19		1,1-Dichloroethane	0.766	0.828	-8.2	122	-0.03
20		Vinyl Acetate	1.059	1.156	-9.1	116	0.00
21		2,2-Dichloropropane	0.642	0.701	-9.2	125	-0.02
22		cis-1,2-Dichloroethene	0.357	0.389	-9.1	123	-0.02
23		MEK(2-Butanone)	0.268	0.234	12.7	88	-0.01
24		Bromochloromethane	0.208	0.222	-6.6	117	0.00
25		Chloroform	0.768	0.825	-7.4	120	-0.02
26		1,1,1-Trichloroethane	0.676	0.731	-8.2	123	-0.02
27	S	Dibromofluoromethane	0.648	0.626	3.4	108	-0.02
28		Carbon Tetrachloride	0.567	0.581	-2.4	120	-0.02
29		1,1-Dichloropropene	0.161	0.165	-2.8	118	-0.02
30	M	Benzene	1.102	1.183	-7.3	123	-0.02
31		1,2-Dichloroethane	0.496	0.526	-6.0	116	-0.02
32		1,4-Difluorobenzene	1.000	1.000	0.0	111	-0.02
33	M	Trichloroethene	0.341	0.359	-5.3	116	-0.02
34		1,2-Dichloropropane	0.430	0.476	-10.9	123	-0.02
35		Dibromomethane	0.343	0.353	-2.8	112	-0.02
36		Bromodichloromethane	0.695	0.760	-9.4	120	-0.02
37		2-Chloroethylvinylether	0.243	0.248	-1.9	130	-0.01
38		cis-1,3-Dichloropropene	0.590	0.664	-12.6	123	-0.02

21

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3100.D
Acq Time : 4 Aug 97 11:48 am
Sample : 14 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
40		MIBK(4-Methyl-2-pentanone)	0.591	0.534	9.7	93	0.00
41	S	Toluene-d8	1.222	1.221	0.1	109	0.00
42	M	Toluene	0.735	0.803	-9.2	120	-0.01
43		trans-1,3-Dichloropropene	0.646	0.720	-11.4	119	-0.01
44		1,1,2-Trichloroethane	0.413	0.441	-6.9	115	-0.01
45		EDB (1,2-Dibromomethane)	0.592	0.611	-3.1	110	0.00
46		Tetrachloroethene	0.384	0.433	-12.7	125	0.00
47		1,3-Dichloropropane	0.743	0.786	-5.7	115	0.00
48		2-Hexanone	0.476	0.436	8.5	89	-0.01
49		Dibromochloromethane	0.617	0.678	-9.9	116	-0.01
50	M	Chlorobenzene	0.852	0.938	-10.1	119	-0.01
51		1,1,1,2-Tetrachloroethane	0.433	0.490	-13.1	123	0.00
52		Ethylbenzene	0.421	0.468	-11.1	121	0.00
53		p-Xylene/m-Xylene	0.511	0.560	-9.5	120	-0.01
54		o-Xylene	0.504	0.570	-13.1	121	0.00
55		Styrene	0.859	0.997	-16.0	123	0.00
56		Bromoform	0.471	0.498	-5.8	112	0.00
57		Isopropylbenzene	1.362	1.532	-12.5	121	-0.01
58		1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
59	S	4-Bromofluorobenzene	1.608	1.591	1.1	113	-0.01
60		Bromobenzene	0.806	0.874	-8.4	124	0.00
61		1,1,2,2-Tetrachloroethane	1.341	1.181	11.9	99	-0.01
62		1,2,3-Trichloropropane	1.537	1.406	8.5	107	-0.05
63		trans-1,4-Dichloro-2-butene	0.398	0.366	8.0	101	0.00
64		n-Propylbenzene	3.527	3.687	-4.5	120	0.00
65		2-Chlorotoluene	2.566	2.673	-4.1	119	0.00
66		4-Chlorotoluene	2.520	2.673	-6.1	119	0.00
67		1,3,5-Trimethylbenzene	2.095	2.226	-6.3	122	0.00
68		tert-Butylbenzene	1.927	2.065	-7.2	125	-0.01
69		1,2,4-Trimethylbenzene	2.117	2.263	-6.9	122	0.00
70		sec-Butylbenzene	3.032	3.253	-7.3	122	0.00
71		1,3-Dichlorobenzene	1.333	1.450	-8.8	127	0.00
72		4-Isopropyltoluene	2.259	2.420	-7.1	123	0.00
73		1,4-Dichlorobenzene	1.296	1.432	-10.5	124	0.00
74		1,2,3-Trimethylbenzene	2.329	2.487	-6.8	122	0.00
75		Benzyl Chloride	1.732	1.696	2.1	108	0.00
76		1,2-Dichlorobenzene	1.207	1.316	-9.0	124	0.00
77		n-Butylbenzene	2.557	2.751	-7.6	120	0.00
78		DBCP(1,2-Dibromo-3-chloropr	0.333	0.278	16.5	90	0.00

22

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3100.D
Acq Time : 4 Aug 97 11:48 am
Sample : 14 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
79	1,2,4-Trichlorobenzene	0.905	0.995	-9.9	121	0.00
80	Hexachlorobutadiene	0.519	0.572	-10.1	121	-0.02
81	Napthalene	1.735	1.528	12.0	96	0.00
82	1,2,3-Trichlorobenzene	0.804	0.832	-3.5	115	0.00

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3123.D
Acq Time : 5 Aug 97 2:29 pm
Sample : 5 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1		Pentafluorobenzene	1.000	1.000	0.0	108	-0.01
2		Dichlorodifluoromethane	0.918	0.838	8.7	98	0.00
3		Chloromethane	0.407	0.340	16.5	90	0.00
4		Vinyl Chloride	0.387	0.350	9.7	96	0.00
5		Bromomethane	0.319	0.261	17.9	89	0.00
6		Chloroethane	0.177	0.171	3.3	106	0.00
7		Trichlorofluoromethane	0.658	0.732	-11.3	110	0.00
8		Acrolein(2-Propenal)	0.040	0.042	-4.1	95	0.00
9	M	1,1-Dichloroethene	0.281	0.279	0.9	106	0.00
10		1,1,2-Trichloro-1,2,2-trifl	0.692	0.697	-0.8	109	0.00
11		Iodomethane	0.629	0.591	6.0	97	0.00
12		Acetone(2-Propanone)	0.146	0.154	-5.4	99	-0.02
13		Carbon Disulfide	0.925	0.757	18.2	89	0.00
14		Allyl Chloride (3-Chloro-1-	0.174	0.178	-2.4	107	-0.01
15		Methylene Chloride	0.353	0.359	-1.9	111	0.00
16		trans-1,2-Dichloroethene	0.334	0.332	0.6	107	-0.01
17		Acrylonitrile(2-Propenenitr	0.107	0.096	9.8	95	-0.02
18		MTBE(2-methoxy-2-methyl-pro	1.027	0.992	3.4	104	0.00
19		1,1-Dichloroethane	0.766	0.806	-5.3	114	0.00
20		Vinyl Acetate	1.059	1.122	-5.9	109	0.00
21		2,2-Dichloropropane	0.642	0.689	-7.3	119	-0.01
22		cis-1,2-Dichloroethene	0.357	0.373	-4.5	113	-0.01
23		MEK(2-Butanone)	0.268	0.249	6.9	91	-0.02
24		Bromochloromethane	0.208	0.216	-3.6	110	-0.01
25		Chloroform	0.768	0.806	-5.1	113	0.00
26		1,1,1-Trichloroethane	0.676	0.724	-7.1	118	-0.01
27	S	Dibromofluoromethane	0.648	0.623	3.8	104	-0.01
28		Carbon Tetrachloride	0.567	0.568	-0.1	113	0.00
29		1,1-Dichloropropene	0.161	0.161	0.1	110	-0.01
30	M	Benzene	1.102	1.131	-2.6	113	0.00
31		1,2-Dichloroethane	0.496	0.518	-4.4	110	-0.02
32		1,4-Difluorobenzene	1.000	1.000	0.0	105	-0.01
33	M	Trichloroethene	0.341	0.356	-4.4	108	-0.01
34		1,2-Dichloropropane	0.430	0.462	-7.5	113	-0.01
35		Dibromomethane	0.343	0.346	-0.8	103	-0.02
36		Bromodichloromethane	0.695	0.750	-8.0	112	-0.01
37		2-Chloroethylvinylether	0.243	0.222	8.5	110	0.00
38		cis-1,3-Dichloropropene	0.590	0.651	-10.4	114	-0.01

24

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3123.D
Acq Time : 5 Aug 97 2:29 pm
Sample : 5 50 ug/l 8260 Con Cal
Misc : 25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
40		MIBK(4-Methyl-2-pentanone)	0.591	0.565	4.4	92	0.00
41	S	Toluene-d8	1.222	1.224	-0.1	102	0.00
42	M	Toluene	0.735	0.790	-7.4	111	0.00
43		trans-1,3-Dichloropropene	0.646	0.722	-11.8	112	0.00
44		1,1,2-Trichloroethane	0.413	0.440	-6.5	107	-0.01
45		EDB (1,2-Dibromomethane)	0.592	0.608	-2.6	103	-0.01
46		Tetrachloroethene	0.384	0.433	-12.7	118	0.00
47		1,3-Dichloropropane	0.743	0.777	-4.6	106	0.00
48		2-Hexanone	0.476	0.482	-1.2	92	-0.01
49		Dibromochloromethane	0.617	0.679	-10.0	109	0.00
50	M	Chlorobenzene	0.852	0.928	-8.9	110	-0.01
51		1,1,1,2-Tetrachloroethane	0.433	0.494	-14.0	116	0.00
52		Ethylbenzene	0.421	0.465	-10.5	113	0.00
53		p-Xylene/m-Xylene	0.511	0.551	-7.8	110	0.00
54		o-Xylene	0.504	0.554	-9.8	110	0.00
55		Styrene	0.859	0.993	-15.5	115	0.00
56		Bromoform	0.471	0.503	-6.9	106	0.00
57		Isopropylbenzene	1.362	1.518	-11.5	113	0.00
58		1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
59	S	4-Bromofluorobenzene	1.608	1.579	1.8	107	-0.01
60		Bromobenzene	0.806	0.854	-6.0	116	0.00
61		1,1,2,2-Tetrachloroethane	1.341	1.174	12.4	94	0.00
62		1,2,3-Trichloropropane	1.537	1.273	17.2	93	-0.04
63		trans-1,4-Dichloro-2-butene	0.398	0.367	7.8	97	0.00
64		n-Propylbenzene	3.527	3.612	-2.4	112	0.00
65		2-Chlorotoluene	2.566	2.652	-3.3	113	0.00
66		4-Chlorotoluene	2.520	2.652	-5.2	113	0.00
67		1,3,5-Trimethylbenzene	2.095	2.155	-2.9	113	-0.01
68		tert-Butylbenzene	1.927	2.010	-4.3	117	-0.01
69		1,2,4-Trimethylbenzene	2.117	2.211	-4.4	114	0.00
70		sec-Butylbenzene	3.032	3.165	-4.4	113	0.00
71		1,3-Dichlorobenzene	1.333	1.442	-8.2	121	0.00
72		4-Isopropyltoluene	2.259	2.378	-5.3	116	0.00
73		1,4-Dichlorobenzene	1.296	1.403	-8.2	116	0.00
74		1,2,3-Trimethylbenzene	2.329	2.405	-3.3	113	0.00
75		Benzyl Chloride	1.732	1.697	2.1	104	0.00
76		1,2-Dichlorobenzene	1.207	1.292	-7.0	117	0.00
77		n-Butylbenzene	2.557	2.765	-8.2	116	0.00
78		DBCP(1,2-Dibromo-3-chloropr	0.333	0.276	17.0	85	0.00

25

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : c:\HPCHEM\1\DATA\D3123.D
Acq Time : 5 Aug 97 2:29 pm
Sample : 5 50 ug/l 8260 Con Cal
Misc : \25 ul 96-091-106-11 ->5mlH2O

Operator: CPW
Inst : EnviroQ
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\7-31826.M
Title : SW846/8240/8260
Last Update : Fri Aug 01 09:29:22 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
79	1,2,4-Trichlorobenzene	0.905	1.007	-11.2	117	0.00
80	Hexachlorobutadiene	0.519	0.624	-20.1#	126	-0.02
81	Napthalene	1.735	1.621	6.6	97	0.00
82	1,2,3-Trichlorobenzene	0.804	0.838	-4.2	111	0.00

8A-1

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: GOLDER

Lab File ID [Standard]: D3078 Date Analyzed: 08/01/97

Instrument ID:MS D Time Analyzed: 1040

		IS1[PFB] AREA	#	RT	#	IS2[DFB] AREA	#	RT	#		
	12 HOUR STD	1184211		8.87		1365119		10.21			
	UPPER LIMIT	2368422		9.37		2730238		10.71			
	LOWER LIMIT	592106		8.37		682560		9.71			
	FLI SAMPLE NO.										
1	VBLK D3079	1140259		8.86		1277293		10.20			
2	55689	1132841		8.85		1275060		10.20			
3	55690	1117080		8.85		1245327		10.20			
4	55680	1151603		8.89		1271079		10.23			
5	55673	1104993		8.87		1233437		10.20			
6	55678	1079867		8.86		1211425		10.20			
7	55679	1054229		8.86		1196341		10.20			
8	55676	1006848		8.86		1152221		10.21			
9	55677	994773		8.87		1143216		10.21			
10	55685	980203		8.86		1124559		10.21			
11	55675	1050025		8.86		1182183		10.22			
12	VBLKMS D3092	993635		8.87		1132966		10.22			
13	55687MS	957020		8.86		1106245		10.22			
14	55688MSD	1004829		8.86		1148518		10.21			
15	55674	939025		8.86		1078394		10.21			
16	55684	1073388		8.86		1202745		10.21			
17	55682	1038956		8.85		1160252		10.20			
18											
19											
20											
21											
22											

IS1 [PFB] = Pentafluorobenzene
IS2 [DFB] = 1,4-Difluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8240-1

8A-2

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: SAS No.: SDG No.: GOLDER

Lab File ID [Standard]: D3078 Date Analyzed: 08/01/97

Instrument ID:MS D Time Analyzed: 1040

		IS3[CBZ] AREA	#	RT	#	IS4[DCB] AREA	#	RT	#		
	12 HOUR STD	1062282		15.90		603411		20.54			
	UPPER LIMIT	2124564		16.40		1206822		21.04			
	LOWER LIMIT	531141		15.40		301706		20.04			
	EPA SAMPLE NO.										
1	VBLK D3079	1001023		15.89		589562		20.54			
2	55689	1022716		15.89		623622		20.54			
3	55690	995572		15.90		597007		20.54			
4	55680	1013032		15.92		600424		20.55			
5	55673	971713		15.90		569646		20.54			
6	55678	958700		15.90		575808		20.54			
7	55679	954400		15.90		579839		20.54			
8	55676	923895		15.90		548836		20.55			
9	55677	926475		15.91		535187		20.55			
10	55685	860990		15.91		460625		20.55			
11	55675	947276		15.90		558642		20.55			
12	VBLKMS D3092	874224		15.91		482173		20.54			
13	55687MS	825213		15.90		456771		20.54			
14	55688MSD	878330		15.91		473175		20.55			
15	55674	778740		15.90		412944		20.54			
16	55684	946143		15.90		541807		20.54			
17	55682	905384		15.89		501785		20.54			
18											
19											
20											
21											
22											

IS3 [CBZ] = Chlorobenzene-d5
IS4 [DCB] = 1.4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8A-1

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: GOLDER

Lab File ID [Standard]: D3100 Date Analyzed: 08/04/97

Instrument ID:MS D Time Analyzed: 1148

		IS1[PFB] AREA	#	RT	#	IS2[DFB] AREA	#	RT	#		
	12 HOUR STD	1098041		8.86		1260613		10.21			
	UPPER LIMIT	2196082		9.36		2521226		10.71			
	LOWER LIMIT	549021		8.36		630307		9.71			
	FLI SAMPLE NO.										
1	VBLK D3101	1245450		8.85		1415521		10.19			
2	55676 (1:25)	1108861		8.86		1248380		10.20			
3	55677 (1:25)	1080307		8.86		1211992		10.19			
4	VBLKMS D3116	1034339		8.85		1147052		10.19			
5											
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21											
22											

IS1 [PFB] = Pentafluorobenzene
IS2 [DFB] = 1,4-Difluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = – 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = –.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8A-2

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: SAS No.: SDG No.: GOLDER

Lab File ID [Standard]: D3100 Date Analyzed: 08/04/97

Instrument ID:MS D Time Analyzed: 1148

		IS3[CBZ] AREA	#	RT	#	IS4[DCB] AREA	#	RT	#		
	12 HOUR STD	1017214		15.91		602684		20.55			
	UPPER LIMIT	2034428		16.41		1205368		21.05			
	LOWER LIMIT	508607		15.41		301342		20.05			
	EPA SAMPLE NO.										
1	VBLK D3101	1133147		15.91		663990		20.55			
2	55676 (1:25)	995265		15.90		593524		20.55			
3	55677 (1:25)	965157		15.90		566918		20.55			
4	VBLKMS D3116	928854		15.90		558105		20.54			
5											
6											
7											
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20											
21											
22											

IS3 [CBZ] = Chlorobenzene-d5
IS4 [DCB] = 1.4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = – 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = –.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8240-2

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: _____ SAS No.: _____ SDG No.: GOLDER

Lab File ID [Standard]: D3123 Date Analyzed: 08/05/97

Instrument ID:MS D Time Analyzed: 1429

		IS1[PFB] AREA	#	RT	#	IS2[DFB] AREA	#	RT	#		
	12 HOUR STD	1056970		8.87		1191330		10.21			
	UPPER LIMIT	2113940		9.37		2382660		10.71			
	LOWER LIMIT	528485		8.37		595665		9.71			
	FLI SAMPLE NO.										
1	VBLK D3124	1175462		8.85		1314561		10.19			
2	55681	1128529		8.86		1260175		10.20			
3	55668	1082354		8.86		1214343		10.20			
4	55672	1046088		8.86		1171654		10.20			
5	55686	1094187		8.86		1226806		10.20			
6	55671	1066290		8.86		1195932		10.20			
7	55670	1029787		8.86		1159751		10.20			
8	55683	1087172		8.86		1212477		10.21			
9	55669	1103248		8.86		1238797		10.21			
10	55698	1072254		8.87		1207512		10.22			
11	VBLKMS D3139	1113354		8.85		1237156		10.19			
12	55668 (1:50)	1070180		8.85		1214987		10.19			
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

IS1 [PFB] = Pentafluorobenzene
IS2 [DFB] = 1,4–Difluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = – 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = –.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8240–1

GC/MS 8240 VOLATILE STANDARD AREA AND RT SUMMARY

Lab Name: Friend Laboratory Inc. Contract:

Lab Code: NY033 Case No.: SAS No.: SDG No.: GOLDER

Lab File ID [Standard]: D3123 Date Analyzed: 08/05/97

Instrument ID:MS D Time Analyzed: 1429

		IS3[CBZ] AREA	#	RT	#	IS4[DCB] AREA	#	RT	#		
	12 HOUR STD	953419		15.91		576148		20.55			
	UPPER LIMIT	1906838		16.41		1152296		21.05			
	LOWER LIMIT	476710		15.41		288074		20.05			
	EPA SAMPLE NO.										
1	VBLK D3124	1047927		15.91		630075		20.55			
2	55681	1003951		15.90		603946		20.55			
3	55668	972978		15.90		582364		20.55			
4	55672	918131		15.90		542436		20.55			
5	55686	980858		15.91		585131		20.55			
6	55671	945246		15.91		557664		20.55			
7	55670	918726		15.91		544995		20.55			
8	55683	952398		15.91		560455		20.56			
9	55669	966555		15.91		580922		20.56			
10	55698	947424		15.91		529348		20.55			
11	VBLKMS D3139	980449		15.89		591722		20.54			
12	55668 (1:50)	938161		15.90		495017		20.54			
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

IS3 [CBZ] = Chlorobenzene-d5
IS4 [DCB] = 1.4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

APPENDIX D

COPY OF THE LABORATORY ANALYTICAL DATA FILE IN COMMA DELIMITED ASCII FORMAT

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55668,BAT87041,8/5/97,CHLOROMETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,VINYL CHLORIDE,2,0.5
55668,BAT87041,8/5/97,CHLOROETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,BROMOMETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,1 1-DICHLOROETHENE,0.5 U,0.5
55668,BAT87041,8/5/97,ACETONE,10 U,10
55668,BAT87041,8/5/97,CARBON DISULFIDE,0.5 U,0.5
55668,BAT87041,8/5/97,METHYLENE CHLORIDE,3100,25
55668,BAT87041,8/5/97,TRANS-1 2-DICHLOROETHENE,2,0.5
55668,BAT87041,8/5/97,1 1-DICHLOROETHANE,4,0.5
55668,BAT87041,8/5/97,CIS-1 2-DICHLOROETHENE,130,0.5
55668,BAT87041,8/5/97,METHYL ETHYL KETONE,10 U,10
55668,BAT87041,8/5/97,CHLOROFORM,5,0.5
55668,BAT87041,8/5/97,1 1 1-TRICHLOROETHANE,10,0.5
55668,BAT87041,8/5/97,CARBON TETRACHLORIDE,0.5 U,0.5
55668,BAT87041,8/5/97,BENZENE,0.5 U,0.5
55668,BAT87041,8/5/97,1 2-DICHLOROETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,TRICHLOROETHENE,50,0.5
55668,BAT87041,8/5/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55668,BAT87041,8/5/97,BROMODICHLOROMETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55668,BAT87041,8/5/97,MIBK,10 U,10
55668,BAT87041,8/5/97,TOLUENE,0.5 U,0.5
55668,BAT87041,8/5/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55668,BAT87041,8/5/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,TETRACHLOROETHENE,0.5 U,0.5
55668,BAT87041,8/5/97,2-HEXANONE,10 U,10
55668,BAT87041,8/5/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55668,BAT87041,8/5/97,CHLOROBENZENE,0.5 U,0.5
55668,BAT87041,8/5/97,ETHYLBENZENE,0.5 U,0.5
55668,BAT87041,8/5/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55668,BAT87041,8/5/97,O-XYLENE,0.5 U,0.5
55668,BAT87041,8/5/97,STYRENE,0.5 U,0.5
55668,BAT87041,8/5/97,BROMOFORM,0.5 U,0.5
55668,BAT87041,8/5/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55669,BAT89151,8/5/97,CHLOROMETHANE,25 U,25
55669,BAT89151,8/5/97,VINYL CHLORIDE,36,25
55669,BAT89151,8/5/97,CHLOROETHANE,25 U,25

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55669,BAT89151,8/5/97,BROMOMETHANE,25 U,25
55669,BAT89151,8/5/97,1 1-DICHLOROETHENE,25 U,25
55669,BAT89151,8/5/97,ACETONE,500 U,500
55669,BAT89151,8/5/97,CARBON DISULFIDE,25 U,25
55669,BAT89151,8/5/97,METHYLENE CHLORIDE,2500,25
55669,BAT89151,8/5/97,TRANS-1 2-DICHLOROETHENE,25 U,25
55669,BAT89151,8/5/97,1 1-DICHLOROETHANE,25 U,25
55669,BAT89151,8/5/97,CIS-1 2-DICHLOROETHENE,840,25
55669,BAT89151,8/5/97,METHYL ETHYL KETONE,500 U,500
55669,BAT89151,8/5/97,CHLOROFORM,25 U,25
55669,BAT89151,8/5/97,1 1 1-TRICHLOROETHANE,64,25
55669,BAT89151,8/5/97,CARBON TETRACHLORIDE,25 U,25
55669,BAT89151,8/5/97,BENZENE,25 U,25
55669,BAT89151,8/5/97,1 2-DICHLOROETHANE,25 U,25
55669,BAT89151,8/5/97,TRICHLOROETHENE,22000 E,25
55669,BAT89151,8/5/97,1 2-DICHLOROPROPANE,25 U,25
55669,BAT89151,8/5/97,BROMODICHLOROMETHANE,25 U,25
55669,BAT89151,8/5/97,CIS-1 3-DICHLOROPROPENE,25 U,25
55669,BAT89151,8/5/97,MIBK,500 U,500
55669,BAT89151,8/5/97,TOLUENE,25 U,25
55669,BAT89151,8/5/97,TRANS-1 3-DICHLOROPROPENE,25 U,25
55669,BAT89151,8/5/97,1 1 2-TRICHLOROETHANE,25 U,25
55669,BAT89151,8/5/97,TETRACHLOROETHENE,25 U,25
55669,BAT89151,8/5/97,2-HEXANONE,500 U,500
55669,BAT89151,8/5/97,DIBROMOCHLOROMETHANE,25 U,25
55669,BAT89151,8/5/97,CHLOROBENZENE,25 U,25
55669,BAT89151,8/5/97,ETHYLBENZENE,25 U,25
55669,BAT89151,8/5/97,P-XYLENE/M-XYLENE,25 U,25
55669,BAT89151,8/5/97,O-XYLENE,25 U,25
55669,BAT89151,8/5/97,STYRENE,25 U,25
55669,BAT89151,8/5/97,BROMOFORM,25 U,25
55669,BAT89151,8/5/97,1 1 2 2-TETRACHLOROETHANE,25 U,25
55670,BAT87171,8/5/97,CHLOROMETHANE,2 U,2
55670,BAT87171,8/5/97,VINYL CHLORIDE,89,2
55670,BAT87171,8/5/97,CHLOROETHANE,2 U,2
55670,BAT87171,8/5/97,BROMOMETHANE,2 U,2
55670,BAT87171,8/5/97,1 1-DICHLOROETHENE,2 U,2
55670,BAT87171,8/5/97,ACETONE,50 U,50

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55670,BAT87171,8/5/97,CARBON DISULFIDE,2 U,2
55670,BAT87171,8/5/97,METHYLENE CHLORIDE,3,2
55670,BAT87171,8/5/97,TRANS-1 2-DICHLOROETHENE,3,2
55670,BAT87171,8/5/97,1 1-DICHLOROETHANE,24,2
55670,BAT87171,8/5/97,CIS-1 2-DICHLOROETHENE,530,2
55670,BAT87171,8/5/97,METHYL ETHYL KETONE,50 U,50
55670,BAT87171,8/5/97,CHLOROFORM,5,2
55670,BAT87171,8/5/97,1 1 1-TRICHLOROETHANE,100,2
55670,BAT87171,8/5/97,CARBON TETRACHLORIDE,2 U,2
55670,BAT87171,8/5/97,BENZENE,2 U,2
55670,BAT87171,8/5/97,1 2-DICHLOROETHANE,2 U,2
55670,BAT87171,8/5/97,TRICHLOROETHENE,13,2
55670,BAT87171,8/5/97,1 2-DICHLOROPROPANE,2 U,2
55670,BAT87171,8/5/97,BROMODICHLOROMETHANE,2 U,2
55670,BAT87171,8/5/97,CIS-1 3-DICHLOROPROPENE,2 U,2
55670,BAT87171,8/5/97,MIBK,50 U,50
55670,BAT87171,8/5/97,TOLUENE,2 U,2
55670,BAT87171,8/5/97,TRANS-1 3-DICHLOROPROPENE,2 U,2
55670,BAT87171,8/5/97,1 1 2-TRICHLOROETHANE,2 U,2
55670,BAT87171,8/5/97,TETRACHLOROETHENE,2 U,2
55670,BAT87171,8/5/97,2-HEXANONE,50 U,50
55670,BAT87171,8/5/97,DIBROMOCHLOROMETHANE,2 U,2
55670,BAT87171,8/5/97,CHLOROBENZENE,2 U,2
55670,BAT87171,8/5/97,ETHYLBENZENE,2 U,2
55670,BAT87171,8/5/97,P-XYLENE/M-XYLENE,2 U,2
55670,BAT87171,8/5/97,O-XYLENE,2 U,2
55670,BAT87171,8/5/97,STYRENE,2 U,2
55670,BAT87171,8/5/97,BROMOFORM,2 U,2
55670,BAT87171,8/5/97,1 1 2 2-TETRACHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,CHLOROMETHANE,2 U,2
55671,BAT87133,8/5/97,VINYL CHLORIDE,10,2
55671,BAT87133,8/5/97,CHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,BROMOMETHANE,2 U,2
55671,BAT87133,8/5/97,1 1-DICHLOROETHENE,2 U,2
55671,BAT87133,8/5/97,ACETONE,50 U,50
55671,BAT87133,8/5/97,CARBON DISULFIDE,42,2
55671,BAT87133,8/5/97,METHYLENE CHLORIDE,22,2
55671,BAT87133,8/5/97,TRANS-1 2-DICHLOROETHENE,2 U,2

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55671,BAT87133,8/5/97,1 1-DICHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,CIS-1 2-DICHLOROETHENE,87,2
55671,BAT87133,8/5/97,METHYL ETHYL KETONE,50 U,50
55671,BAT87133,8/5/97,CHLOROFORM,2 U,2
55671,BAT87133,8/5/97,1 1 1-TRICHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,CARBON TETRACHLORIDE,2 U,2
55671,BAT87133,8/5/97,BENZENE,2 U,2
55671,BAT87133,8/5/97,1 2-DICHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,TRICHLOROETHENE,170,2
55671,BAT87133,8/5/97,1 2-DICHLOROPROPANE,2 U,2
55671,BAT87133,8/5/97,BROMODICHLOROMETHANE,2 U,2
55671,BAT87133,8/5/97,CIS-1 3-DICHLOROPROPENE,2 U,2
55671,BAT87133,8/5/97,MIBK,50 U,50
55671,BAT87133,8/5/97,TOLUENE,2 U,2
55671,BAT87133,8/5/97,TRANS-1 3-DICHLOROPROPENE,2 U,2
55671,BAT87133,8/5/97,1 1 2-TRICHLOROETHANE,2 U,2
55671,BAT87133,8/5/97,TETRACHLOROETHENE,2 U,2
55671,BAT87133,8/5/97,2-HEXANONE,50 U,50
55671,BAT87133,8/5/97,DIBROMOCHLOROMETHANE,2 U,2
55671,BAT87133,8/5/97,CHLOROBENZENE,2 U,2
55671,BAT87133,8/5/97,ETHYLBENZENE,2 U,2
55671,BAT87133,8/5/97,P-XYLENE/M-XYLENE,2 U,2
55671,BAT87133,8/5/97,O-XYLENE,2 U,2
55671,BAT87133,8/5/97,STYRENE,2 U,2
55671,BAT87133,8/5/97,BROMOFORM,2 U,2
55671,BAT87133,8/5/97,1 1 2 2-TETRACHLOROETHANE,2 U,2
55673,BAT89023,8/1/97,CHLOROMETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,VINYL CHLORIDE,0.5 U,0.5
55673,BAT89023,8/1/97,CHLOROETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,BROMOMETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,1 1-DICHLOROETHENE,0.5 U,0.5
55673,BAT89023,8/1/97,ACETONE,10 U,10
55673,BAT89023,8/1/97,CARBON DISULFIDE,1,0.5
55673,BAT89023,8/1/97,METHYLENE CHLORIDE,0.5 U,0.5
55673,BAT89023,8/1/97,TRANS-1 2-DICHLOROETHENE,0.5 U,0.5
55673,BAT89023,8/1/97,1 1-DICHLOROETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,CIS-1 2-DICHLOROETHENE,0.5 U,0.5
55673,BAT89023,8/1/97,METHYL ETHYL KETONE,10 U,10

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55673,BAT89023,8/1/97,CHLOROFORM,0.5 U,0.5
55673,BAT89023,8/1/97,1 1 1-TRICHLOROETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55673,BAT89023,8/1/97,BENZENE,0.5 U,0.5
55673,BAT89023,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,TRICHLOROETHENE,0.5 U,0.5
55673,BAT89023,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55673,BAT89023,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55673,BAT89023,8/1/97,MIBK,10 U,10
55673,BAT89023,8/1/97,TOLUENE,0.5 U,0.5
55673,BAT89023,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55673,BAT89023,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55673,BAT89023,8/1/97,2-HEXANONE,10 U,10
55673,BAT89023,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55673,BAT89023,8/1/97,CHLOROBENZENE,0.5 U,0.5
55673,BAT89023,8/1/97,ETHYLBENZENE,0.5 U,0.5
55673,BAT89023,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55673,BAT89023,8/1/97,O-XYLENE,0.5 U,0.5
55673,BAT89023,8/1/97,STYRENE,0.5 U,0.5
55673,BAT89023,8/1/97,BROMOFORM,0.5 U,0.5
55673,BAT89023,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55674,BAT87181,8/1/97,CHLOROMETHANE,50 U,50
55674,BAT87181,8/1/97,VINYL CHLORIDE,730,50
55674,BAT87181,8/1/97,CHLOROETHANE,50 U,50
55674,BAT87181,8/1/97,BROMOMETHANE,50 U,50
55674,BAT87181,8/1/97,1 1-DICHLOROETHENE,50 U,50
55674,BAT87181,8/1/97,ACETONE,1000 U,1000
55674,BAT87181,8/1/97,CARBON DISULFIDE,50 U,50
55674,BAT87181,8/1/97,METHYLENE CHLORIDE,130,50
55674,BAT87181,8/1/97,TRANS-1 2-DICHLOROETHENE,50 U,50
55674,BAT87181,8/1/97,1 1-DICHLOROETHANE,50 U,50
55674,BAT87181,8/1/97,CIS-1 2-DICHLOROETHENE,6300,50
55674,BAT87181,8/1/97,METHYL ETHYL KETONE,1000 U,1000
55674,BAT87181,8/1/97,CHLOROFORM,50 U,50
55674,BAT87181,8/1/97,1 1 1-TRICHLOROETHANE,50 U,50
55674,BAT87181,8/1/97,CARBON TETRACHLORIDE,50 U,50

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55674,BAT87181,8/1/97,BENZENE,50 U,50
55674,BAT87181,8/1/97,1 2-DICHLOROETHANE,50 U,50
55674,BAT87181,8/1/97,TRICHLOROETHENE,50 U,50
55674,BAT87181,8/1/97,1 2-DICHLOROPROPANE,50 U,50
55674,BAT87181,8/1/97,BROMODICHLOROMETHANE,50 U,50
55674,BAT87181,8/1/97,CIS-1 3-DICHLOROPROPENE,50 U,50
55674,BAT87181,8/1/97,MIBK,1000 U,1000
55674,BAT87181,8/1/97,TOLUENE,50 U,50
55674,BAT87181,8/1/97,TRANS-1 3-DICHLOROPROPENE,50 U,50
55674,BAT87181,8/1/97,1 1 2-TRICHLOROETHANE,50 U,50
55674,BAT87181,8/1/97,TETRACHLOROETHENE,50 U,50
55674,BAT87181,8/1/97,2-HEXANONE,1000 U,1000
55674,BAT87181,8/1/97,DIBROMOCHLOROMETHANE,50 U,50
55674,BAT87181,8/1/97,CHLOROBENZENE,50 U,50
55674,BAT87181,8/1/97,ETHYLBENZENE,50 U,50
55674,BAT87181,8/1/97,P-XYLENE/M-XYLENE,50 U,50
55674,BAT87181,8/1/97,O-XYLENE,50 U,50
55674,BAT87181,8/1/97,STYRENE,50 U,50
55674,BAT87181,8/1/97,BROMOFORM,50 U,50
55674,BAT87181,8/1/97,1 1 2 2-TETRACHLOROETHANE,50 U,50
55675,BATEW7,8/1/97,CHLOROMETHANE,25 U,25
55675,BATEW7,8/1/97,VINYL CHLORIDE,600,25
55675,BATEW7,8/1/97,CHLOROETHANE,25 U,25
55675,BATEW7,8/1/97,BROMOMETHANE,25 U,25
55675,BATEW7,8/1/97,1 1-DICHLOROETHENE,25 U,25
55675,BATEW7,8/1/97,ACETONE,500 U,500
55675,BATEW7,8/1/97,CARBON DISULFIDE,25 U,25
55675,BATEW7,8/1/97,METHYLENE CHLORIDE,68,25
55675,BATEW7,8/1/97,TRANS-1 2-DICHLOROETHENE,25 U,25
55675,BATEW7,8/1/97,1 1-DICHLOROETHANE,25,25
55675,BATEW7,8/1/97,CIS-1 2-DICHLOROETHENE,4500,25
55675,BATEW7,8/1/97,METHYL ETHYL KETONE,500 U,500
55675,BATEW7,8/1/97,CHLOROFORM,25 U,25
55675,BATEW7,8/1/97,1 1 1-TRICHLOROETHANE,51,25
55675,BATEW7,8/1/97,CARBON TETRACHLORIDE,25 U,25
55675,BATEW7,8/1/97,BENZENE,25 U,25
55675,BATEW7,8/1/97,1 2-DICHLOROETHANE,25 U,25
55675,BATEW7,8/1/97,TRICHLOROETHENE,150,25

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55675,BATEW7,8/1/97,1 2-DICHLOROPROPANE,25 U,25
55675,BATEW7,8/1/97,BROMODICHLOROMETHANE,25 U,25
55675,BATEW7,8/1/97,CIS-1 3-DICHLOROPROPENE,25 U,25
55675,BATEW7,8/1/97,MIBK,500 U,500
55675,BATEW7,8/1/97,TOLUENE,25 U,25
55675,BATEW7,8/1/97,TRANS-1 3-DICHLOROPROPENE,25 U,25
55675,BATEW7,8/1/97,1 1 2-TRICHLOROETHANE,25 U,25
55675,BATEW7,8/1/97,TETRACHLOROETHENE,25 U,25
55675,BATEW7,8/1/97,2-HEXANONE,500 U,500
55675,BATEW7,8/1/97,DIBROMOCHLOROMETHANE,25 U,25
55675,BATEW7,8/1/97,CHLOROBENZENE,25 U,25
55675,BATEW7,8/1/97,ETHYLBENZENE,25 U,25
55675,BATEW7,8/1/97,P-XYLENE/M-XYLENE,25 U,25
55675,BATEW7,8/1/97,O-XYLENE,25 U,25
55675,BATEW7,8/1/97,STYRENE,25 U,25
55675,BATEW7,8/1/97,BROMOFORM,25 U,25
55675,BATEW7,8/1/97,1 1 2 2-TETRACHLOROETHANE,25 U,25
55676,BAT87021,8/1/97,CHLOROMETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,VINYL CHLORIDE,160,0.5
55676,BAT87021,8/1/97,CHLOROETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,BROMOMETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,1 1-DICHLOROETHENE,10,0.5
55676,BAT87021,8/1/97,ACETONE,10 U,10
55676,BAT87021,8/1/97,CARBON DISULFIDE,0.5 U,0.5
55676,BAT87021,8/1/97,METHYLENE CHLORIDE,0.7,0.5
55676,BAT87021,8/1/97,TRANS-1 2-DICHLOROETHENE,19,0.5
55676,BAT87021,8/1/97,1 1-DICHLOROETHANE,9,0.5
55676,BAT87021,8/1/97,CIS-1 2-DICHLOROETHENE,3400,12.5
55676,BAT87021,8/1/97,METHYL ETHYL KETONE,10 U,10
55676,BAT87021,8/1/97,CHLOROFORM,4,0.5
55676,BAT87021,8/1/97,1 1 1-TRICHLOROETHANE,38,0.5
55676,BAT87021,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55676,BAT87021,8/1/97,BENZENE,0.5 U,0.5
55676,BAT87021,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,TRICHLOROETHENE,1100,12.5
55676,BAT87021,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55676,BAT87021,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55676,BAT87021,8/1/97,MIBK,10 U,10
55676,BAT87021,8/1/97,TOLUENE,2,0.5
55676,BAT87021,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55676,BAT87021,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55676,BAT87021,8/1/97,2-HEXANONE,10 U,10
55676,BAT87021,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55676,BAT87021,8/1/97,CHLOROBENZENE,0.5 U,0.5
55676,BAT87021,8/1/97,ETHYLBENZENE,0.5 U,0.5
55676,BAT87021,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55676,BAT87021,8/1/97,O-XYLENE,0.5 U,0.5
55676,BAT87021,8/1/97,STYRENE,0.5 U,0.5
55676,BAT87021,8/1/97,BROMOFORM,0.5 U,0.5
55676,BAT87021,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,CHLOROMETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,VINYL CHLORIDE,0.5 U,0.5
55678,BAT87023,8/1/97,CHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,BROMOMETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,1 1-DICHLOROETHENE,0.5 U,0.5
55678,BAT87023,8/1/97,ACETONE,10 U,10
55678,BAT87023,8/1/97,CARBON DISULFIDE,1,0.5
55678,BAT87023,8/1/97,METHYLENE CHLORIDE,0.5 U,0.5
55678,BAT87023,8/1/97,TRANS-1 2-DICHLOROETHENE,0.5 U,0.5
55678,BAT87023,8/1/97,1 1-DICHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,CIS-1 2-DICHLOROETHENE,0.5 U,0.5
55678,BAT87023,8/1/97,METHYL ETHYL KETONE,10 U,10
55678,BAT87023,8/1/97,CHLOROFORM,0.5 U,0.5
55678,BAT87023,8/1/97,1 1 1-TRICHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55678,BAT87023,8/1/97,BENZENE,0.6,0.5
55678,BAT87023,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,TRICHLOROETHENE,0.5 U,0.5
55678,BAT87023,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55678,BAT87023,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55678,BAT87023,8/1/97,MIBK,10 U,10
55678,BAT87023,8/1/97,TOLUENE,0.5 U,0.5
55678,BAT87023,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55678,BAT87023,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55678,BAT87023,8/1/97,2-HEXANONE,10 U,10
55678,BAT87023,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55678,BAT87023,8/1/97,CHLOROBENZENE,0.5 U,0.5
55678,BAT87023,8/1/97,ETHYLBENZENE,0.5 U,0.5
55678,BAT87023,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55678,BAT87023,8/1/97,O-XYLENE,0.5 U,0.5
55678,BAT87023,8/1/97,STYRENE,0.5 U,0.5
55678,BAT87023,8/1/97,BROMOFORM,0.5 U,0.5
55678,BAT87023,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55679,BATB14,8/1/97,CHLOROMETHANE,2 U,2
55679,BATB14,8/1/97,VINYL CHLORIDE,110,2
55679,BATB14,8/1/97,CHLOROETHANE,2 U,2
55679,BATB14,8/1/97,BROMOMETHANE,2 U,2
55679,BATB14,8/1/97,1 1-DICHLOROETHENE,3,2
55679,BATB14,8/1/97,ACETONE,50 U,50
55679,BATB14,8/1/97,CARBON DISULFIDE,2 U,2
55679,BATB14,8/1/97,METHYLENE CHLORIDE,3,2
55679,BATB14,8/1/97,TRANS-1 2-DICHLOROETHENE,2 U,2
55679,BATB14,8/1/97,1 1-DICHLOROETHANE,16,2
55679,BATB14,8/1/97,CIS-1 2-DICHLOROETHENE,600,2
55679,BATB14,8/1/97,METHYL ETHYL KETONE,50 U,50
55679,BATB14,8/1/97,CHLOROFORM,2 U,2
55679,BATB14,8/1/97,1 1 1-TRICHLOROETHANE,63,2
55679,BATB14,8/1/97,CARBON TETRACHLORIDE,2 U,2
55679,BATB14,8/1/97,BENZENE,2 U,2
55679,BATB14,8/1/97,1 2-DICHLOROETHANE,2 U,2
55679,BATB14,8/1/97,TRICHLOROETHENE,5,2
55679,BATB14,8/1/97,1 2-DICHLOROPROPANE,2 U,2
55679,BATB14,8/1/97,BROMODICHLOROMETHANE,2 U,2
55679,BATB14,8/1/97,CIS-1 3-DICHLOROPROPENE,2 U,2
55679,BATB14,8/1/97,MIBK,50 U,50
55679,BATB14,8/1/97,TOLUENE,2 U,2
55679,BATB14,8/1/97,TRANS-1 3-DICHLOROPROPENE,2 U,2
55679,BATB14,8/1/97,1 1 2-TRICHLOROETHANE,2 U,2
55679,BATB14,8/1/97,TETRACHLOROETHENE,2 U,2
55679,BATB14,8/1/97,2-HEXANONE,50 U,50

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55679,BATB14,8/1/97,DIBROMOCHLOROMETHANE,2 U,2
55679,BATB14,8/1/97,CHLOROBENZENE,2 U,2
55679,BATB14,8/1/97,ETHYLBENZENE,2 U,2
55679,BATB14,8/1/97,P-XYLENE/M-XYLENE,2 U,2
55679,BATB14,8/1/97,O-XYLENE,2 U,2
55679,BATB14,8/1/97,STYRENE,2 U,2
55679,BATB14,8/1/97,BROMOFORM,2 U,2
55679,BATB14,8/1/97,1 1 2 2-TETRACHLOROETHANE,2 U,2
55680,BAT93031,8/1/97,CHLOROMETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,VINYL CHLORIDE,0.5 U,0.5
55680,BAT93031,8/1/97,CHLOROETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,BROMOMETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,1 1-DICHLOROETHENE,0.5 U,0.5
55680,BAT93031,8/1/97,ACETONE,10 U,10
55680,BAT93031,8/1/97,CARBON DISULFIDE,0.7,0.5
55680,BAT93031,8/1/97,METHYLENE CHLORIDE,0.5 U,0.5
55680,BAT93031,8/1/97,TRANS-1 2-DICHLOROETHENE,0.5 U,0.5
55680,BAT93031,8/1/97,1 1-DICHLOROETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,CIS-1 2-DICHLOROETHENE,1,0.5
55680,BAT93031,8/1/97,METHYL ETHYL KETONE,10 U,10
55680,BAT93031,8/1/97,CHLOROFORM,0.5 U,0.5
55680,BAT93031,8/1/97,1 1 1-TRICHLOROETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55680,BAT93031,8/1/97,BENZENE,0.5 U,0.5
55680,BAT93031,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,TRICHLOROETHENE,0.5 U,0.5
55680,BAT93031,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55680,BAT93031,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55680,BAT93031,8/1/97,MIBK,10 U,10
55680,BAT93031,8/1/97,TOLUENE,0.5 U,0.5
55680,BAT93031,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55680,BAT93031,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55680,BAT93031,8/1/97,2-HEXANONE,10 U,10
55680,BAT93031,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55680,BAT93031,8/1/97,CHLOROBENZENE,0.5 U,0.5
55680,BAT93031,8/1/97,ETHYLBENZENE,0.5 U,0.5

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55680,BAT93031,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55680,BAT93031,8/1/97,O-XYLENE,0.5 U,0.5
55680,BAT93031,8/1/97,STYRENE,0.5 U,0.5
55680,BAT93031,8/1/97,BROMOFORM,0.5 U,0.5
55680,BAT93031,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,CHLOROMETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,VINYL CHLORIDE,10,0.5
55681,BATEW6,8/1/97,CHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,BROMOMETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,1 1-DICHLOROETHENE,0.5 U,0.5
55681,BATEW6,8/1/97,ACETONE,10 U,10
55681,BATEW6,8/1/97,CARBON DISULFIDE,0.5 U,0.5
55681,BATEW6,8/1/97,METHYLENE CHLORIDE,0.5 U,0.5
55681,BATEW6,8/1/97,TRANS-1 2-DICHLOROETHENE,0.5 U,0.5
55681,BATEW6,8/1/97,1 1-DICHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,CIS-1 2-DICHLOROETHENE,34,0.5
55681,BATEW6,8/1/97,METHYL ETHYL KETONE,10 U,10
55681,BATEW6,8/1/97,CHLOROFORM,0.5 U,0.5
55681,BATEW6,8/1/97,1 1 1-TRICHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55681,BATEW6,8/1/97,BENZENE,0.5 U,0.5
55681,BATEW6,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,TRICHLOROETHENE,0.5 U,0.5
55681,BATEW6,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55681,BATEW6,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55681,BATEW6,8/1/97,MIBK,10 U,10
55681,BATEW6,8/1/97,TOLUENE,0.5 U,0.5
55681,BATEW6,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55681,BATEW6,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55681,BATEW6,8/1/97,2-HEXANONE,10 U,10
55681,BATEW6,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55681,BATEW6,8/1/97,CHLOROBENZENE,0.5 U,0.5
55681,BATEW6,8/1/97,ETHYLBENZENE,0.5 U,0.5
55681,BATEW6,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55681,BATEW6,8/1/97,O-XYLENE,0.5 U,0.5
55681,BATEW6,8/1/97,STYRENE,0.5 U,0.5

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55681,BATEW6,8/1/97,BROMOFORM,0.5 U,0.5
55681,BATEW6,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,CHLOROMETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,VINYL CHLORIDE,0.5 U,0.5
55682,BAT87200,8/1/97,CHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,BROMOMETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,1 1-DICHLOROETHENE,0.5 U,0.5
55682,BAT87200,8/1/97,ACETONE,10 U,10
55682,BAT87200,8/1/97,CARBON DISULFIDE,0.5 U,0.5
55682,BAT87200,8/1/97,METHYLENE CHLORIDE,0.5 U,0.5
55682,BAT87200,8/1/97,TRANS-1 2-DICHLOROETHENE,0.5 U,0.5
55682,BAT87200,8/1/97,1 1-DICHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,CIS-1 2-DICHLOROETHENE,0.5 U,0.5
55682,BAT87200,8/1/97,METHYL ETHYL KETONE,10 U,10
55682,BAT87200,8/1/97,CHLOROFORM,0.5 U,0.5
55682,BAT87200,8/1/97,1 1 1-TRICHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,CARBON TETRACHLORIDE,0.5 U,0.5
55682,BAT87200,8/1/97,BENZENE,0.5 U,0.5
55682,BAT87200,8/1/97,1 2-DICHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,TRICHLOROETHENE,0.5 U,0.5
55682,BAT87200,8/1/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55682,BAT87200,8/1/97,BROMODICHLOROMETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55682,BAT87200,8/1/97,MIBK,10 U,10
55682,BAT87200,8/1/97,TOLUENE,0.5 U,0.5
55682,BAT87200,8/1/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55682,BAT87200,8/1/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,TETRACHLOROETHENE,0.5 U,0.5
55682,BAT87200,8/1/97,2-HEXANONE,10 U,10
55682,BAT87200,8/1/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55682,BAT87200,8/1/97,CHLOROBENZENE,0.5 U,0.5
55682,BAT87200,8/1/97,ETHYLBENZENE,0.5 U,0.5
55682,BAT87200,8/1/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55682,BAT87200,8/1/97,O-XYLENE,0.5 U,0.5
55682,BAT87200,8/1/97,STYRENE,0.5 U,0.5
55682,BAT87200,8/1/97,BROMOFORM,0.5 U,0.5
55682,BAT87200,8/1/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55683,BAT87221,8/5/97,CHLOROMETHANE,5 U,5

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55683,BAT87221,8/5/97,VINYL CHLORIDE,50,5
55683,BAT87221,8/5/97,CHLOROETHANE,5 U,5
55683,BAT87221,8/5/97,BROMOMETHANE,5 U,5
55683,BAT87221,8/5/97,1 1-DICHLOROETHENE,5 U,5
55683,BAT87221,8/5/97,ACETONE,100 U,100
55683,BAT87221,8/5/97,CARBON DISULFIDE,5 U,5
55683,BAT87221,8/5/97,METHYLENE CHLORIDE,6,5
55683,BAT87221,8/5/97,TRANS-1 2-DICHLOROETHENE,5,5
55683,BAT87221,8/5/97,1 1-DICHLOROETHANE,5 U,5
55683,BAT87221,8/5/97,CIS-1 2-DICHLOROETHENE,1000,5
55683,BAT87221,8/5/97,METHYL ETHYL KETONE,100 U,100
55683,BAT87221,8/5/97,CHLOROFORM,5 U,5
55683,BAT87221,8/5/97,1 1 1-TRICHLOROETHANE,5 U,5
55683,BAT87221,8/5/97,CARBON TETRACHLORIDE,5 U,5
55683,BAT87221,8/5/97,BENZENE,5 U,5
55683,BAT87221,8/5/97,1 2-DICHLOROETHANE,5 U,5
55683,BAT87221,8/5/97,TRICHLOROETHENE,50,5
55683,BAT87221,8/5/97,1 2-DICHLOROPROPANE,5 U,5
55683,BAT87221,8/5/97,BROMODICHLOROMETHANE,5 U,5
55683,BAT87221,8/5/97,CIS-1 3-DICHLOROPROPENE,5 U,5
55683,BAT87221,8/5/97,MIBK,100 U,100
55683,BAT87221,8/5/97,TOLUENE,5 U,5
55683,BAT87221,8/5/97,TRANS-1 3-DICHLOROPROPENE,5 U,5
55683,BAT87221,8/5/97,1 1 2-TRICHLOROETHANE,5 U,5
55683,BAT87221,8/5/97,TETRACHLOROETHENE,5 U,5
55683,BAT87221,8/5/97,2-HEXANONE,100 U,100
55683,BAT87221,8/5/97,DIBROMOCHLOROMETHANE,5 U,5
55683,BAT87221,8/5/97,CHLOROBENZENE,5 U,5
55683,BAT87221,8/5/97,ETHYLBENZENE,5 U,5
55683,BAT87221,8/5/97,P-XYLENE/M-XYLENE,5 U,5
55683,BAT87221,8/5/97,O-XYLENE,5 U,5
55683,BAT87221,8/5/97,STYRENE,5 U,5
55683,BAT87221,8/5/97,BROMOFORM,5 U,5
55683,BAT87221,8/5/97,1 1 2 2-TETRACHLOROETHANE,5 U,5
55684,BAT87121,8/1/97,CHLOROMETHANE,25 U,25
55684,BAT87121,8/1/97,VINYL CHLORIDE,260,25
55684,BAT87121,8/1/97,CHLOROETHANE,25 U,25
55684,BAT87121,8/1/97,BROMOMETHANE,25 U,25

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55684,BAT87121,8/1/97,1 1-DICHLOROETHENE,25 U,25
55684,BAT87121,8/1/97,ACETONE,500 U,500
55684,BAT87121,8/1/97,CARBON DISULFIDE,25 U,25
55684,BAT87121,8/1/97,METHYLENE CHLORIDE,68,25
55684,BAT87121,8/1/97,TRANS-1 2-DICHLOROETHENE,25 U,25
55684,BAT87121,8/1/97,1 1-DICHLOROETHANE,25 U,25
55684,BAT87121,8/1/97,CIS-1 2-DICHLOROETHENE,7500,25
55684,BAT87121,8/1/97,METHYL ETHYL KETONE,500 U,500
55684,BAT87121,8/1/97,CHLOROFORM,25 U,25
55684,BAT87121,8/1/97,1 1 1-TRICHLOROETHANE,70,25
55684,BAT87121,8/1/97,CARBON TETRACHLORIDE,25 U,25
55684,BAT87121,8/1/97,BENZENE,25 U,25
55684,BAT87121,8/1/97,1 2-DICHLOROETHANE,25 U,25
55684,BAT87121,8/1/97,TRICHLOROETHENE,5800,25
55684,BAT87121,8/1/97,1 2-DICHLOROPROPANE,25 U,25
55684,BAT87121,8/1/97,BROMODICHLOROMETHANE,25 U,25
55684,BAT87121,8/1/97,CIS-1 3-DICHLOROPROPENE,25 U,25
55684,BAT87121,8/1/97,MIBK,500 U,500
55684,BAT87121,8/1/97,TOLUENE,25 U,25
55684,BAT87121,8/1/97,TRANS-1 3-DICHLOROPROPENE,25 U,25
55684,BAT87121,8/1/97,1 1 2-TRICHLOROETHANE,25 U,25
55684,BAT87121,8/1/97,TETRACHLOROETHENE,25 U,25
55684,BAT87121,8/1/97,2-HEXANONE,500 U,500
55684,BAT87121,8/1/97,DIBROMOCHLOROMETHANE,25 U,25
55684,BAT87121,8/1/97,CHLOROBENZENE,25 U,25
55684,BAT87121,8/1/97,ETHYLBENZENE,25 U,25
55684,BAT87121,8/1/97,P-XYLENE/M-XYLENE,25 U,25
55684,BAT87121,8/1/97,O-XYLENE,25 U,25
55684,BAT87121,8/1/97,STYRENE,25 U,25
55684,BAT87121,8/1/97,BROMOFORM,25 U,25
55684,BAT87121,8/1/97,1 1 2 2-TETRACHLOROETHANE,25 U,25
55685,BATEW8,8/1/97,CHLOROMETHANE,12 U,12
55685,BATEW8,8/1/97,VINYL CHLORIDE,150,12
55685,BATEW8,8/1/97,CHLOROETHANE,12 U,12
55685,BATEW8,8/1/97,BROMOMETHANE,12 U,12
55685,BATEW8,8/1/97,1 1-DICHLOROETHENE,12 U,12
55685,BATEW8,8/1/97,ACETONE,250 U,250
55685,BATEW8,8/1/97,CARBON DISULFIDE,12 U,12

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55685,BATEW8,8/1/97,METHYLENE CHLORIDE,28,12
55685,BATEW8,8/1/97,TRANS-1 2-DICHLOROETHENE,12 U,12
55685,BATEW8,8/1/97,1 1-DICHLOROETHANE,16,12
55685,BATEW8,8/1/97,CIS-1 2-DICHLOROETHENE,4100,12
55685,BATEW8,8/1/97,METHYL ETHYL KETONE,250 U,250
55685,BATEW8,8/1/97,CHLOROFORM,12 U,12
55685,BATEW8,8/1/97,1 1 1-TRICHLOROETHANE,50,12
55685,BATEW8,8/1/97,CARBON TETRACHLORIDE,12 U,12
55685,BATEW8,8/1/97,BENZENE,12 U,12
55685,BATEW8,8/1/97,1 2-DICHLOROETHANE,12 U,12
55685,BATEW8,8/1/97,TRICHLOROETHENE,2400,12
55685,BATEW8,8/1/97,1 2-DICHLOROPROPANE,12 U,12
55685,BATEW8,8/1/97,BROMODICHLOROMETHANE,12 U,12
55685,BATEW8,8/1/97,CIS-1 3-DICHLOROPROPENE,12 U,12
55685,BATEW8,8/1/97,MIBK,250 U,250
55685,BATEW8,8/1/97,TOLUENE,12 U,12
55685,BATEW8,8/1/97,TRANS-1 3-DICHLOROPROPENE,12 U,12
55685,BATEW8,8/1/97,1 1 2-TRICHLOROETHANE,12 U,12
55685,BATEW8,8/1/97,TETRACHLOROETHENE,12 U,12
55685,BATEW8,8/1/97,2-HEXANONE,250 U,250
55685,BATEW8,8/1/97,DIBROMOCHLOROMETHANE,12 U,12
55685,BATEW8,8/1/97,CHLOROBENZENE,12 U,12
55685,BATEW8,8/1/97,ETHYLBENZENE,12 U,12
55685,BATEW8,8/1/97,P-XYLENE/M-XYLENE,12 U,12
55685,BATEW8,8/1/97,O-XYLENE,12 U,12
55685,BATEW8,8/1/97,STYRENE,12 U,12
55685,BATEW8,8/1/97,BROMOFORM,12 U,12
55685,BATEW8,8/1/97,1 1 2 2-TETRACHLOROETHANE,25 U,25
55686,BAT89021,8/5/97,CHLOROMETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,VINYL CHLORIDE,50,0.5
55686,BAT89021,8/5/97,CHLOROETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,BROMOMETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,1 1-DICHLOROETHENE,1,0.5
55686,BAT89021,8/5/97,ACETONE,10 U,10
55686,BAT89021,8/5/97,CARBON DISULFIDE,0.5 U,0.5
55686,BAT89021,8/5/97,METHYLENE CHLORIDE,0.5 U,0.5
55686,BAT89021,8/5/97,TRANS-1 2-DICHLOROETHENE,3,0.5
55686,BAT89021,8/5/97,1 1-DICHLOROETHANE,9,0.5

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LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55686,BAT89021,8/5/97,CIS-1 2-DICHLOROETHENE,110,0.5
55686,BAT89021,8/5/97,METHYL ETHYL KETONE,10 U,10
55686,BAT89021,8/5/97,CHLOROFORM,5,0.5
55686,BAT89021,8/5/97,1 1 1-TRICHLOROETHANE,2,0.5
55686,BAT89021,8/5/97,CARBON TETRACHLORIDE,0.5 U,0.5
55686,BAT89021,8/5/97,BENZENE,0.5 U,0.5
55686,BAT89021,8/5/97,1 2-DICHLOROETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,TRICHLOROETHENE,9,0.5
55686,BAT89021,8/5/97,1 2-DICHLOROPROPANE,0.5 U,0.5
55686,BAT89021,8/5/97,BROMODICHLOROMETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,CIS-1 3-DICHLOROPROPENE,0.5 U,0.5
55686,BAT89021,8/5/97,MIBK,10 U,10
55686,BAT89021,8/5/97,TOLUENE,0.5 U,0.5
55686,BAT89021,8/5/97,TRANS-1 3-DICHLOROPROPENE,0.5 U,0.5
55686,BAT89021,8/5/97,1 1 2-TRICHLOROETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,TETRACHLOROETHENE,0.5 U,0.5
55686,BAT89021,8/5/97,2-HEXANONE,10 U,10
55686,BAT89021,8/5/97,DIBROMOCHLOROMETHANE,0.5 U,0.5
55686,BAT89021,8/5/97,CHLOROBENZENE,0.5 U,0.5
55686,BAT89021,8/5/97,ETHYLBENZENE,0.5 U,0.5
55686,BAT89021,8/5/97,P-XYLENE/M-XYLENE,0.5 U,0.5
55686,BAT89021,8/5/97,O-XYLENE,0.5 U,0.5
55686,BAT89021,8/5/97,STYRENE,0.5 U,0.5
55686,BAT89021,8/5/97,BROMOFORM,0.5 U,0.5
55686,BAT89021,8/5/97,1 1 2 2-TETRACHLOROETHANE,0.5 U,0.5
55698,BAT87081,8/5/97,CHLOROMETHANE,25 U,25
55698,BAT87081,8/5/97,VINYL CHLORIDE,53,25
55698,BAT87081,8/5/97,CHLOROETHANE,25 U,25
55698,BAT87081,8/5/97,BROMOMETHANE,25 U,25
55698,BAT87081,8/5/97,1 1-DICHLOROETHENE,25 U,25
55698,BAT87081,8/5/97,ACETONE,500 U,500
55698,BAT87081,8/5/97,CARBON DISULFIDE,25 U,25
55698,BAT87081,8/5/97,METHYLENE CHLORIDE,54,25
55698,BAT87081,8/5/97,TRANS-1 2-DICHLOROETHENE,25 U,25
55698,BAT87081,8/5/97,1 1-DICHLOROETHANE,25 U,25
55698,BAT87081,8/5/97,CIS-1 2-DICHLOROETHENE,1300,25
55698,BAT87081,8/5/97,METHYL ETHYL KETONE,500 U,500
55698,BAT87081,8/5/97,CHLOROFORM,25 U,25

APPENDIX D
COPY OF COMMA DELIMITED ASCII FILE
LABORATORY RESULTS
JULY 1997 QUARTERLY MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

LAB ID,ORIGIN,DATE SAMPLED,ANALYTE, RESULT, PQL

55698,BAT87081,8/5/97,1 1 1-TRICHLOROETHANE,25 U,25
55698,BAT87081,8/5/97,CARBON TETRACHLORIDE,25 U,25
55698,BAT87081,8/5/97,BENZENE,25 U,25
55698,BAT87081,8/5/97,1 2-DICHLOROETHANE,25 U,25
55698,BAT87081,8/5/97,TRICHLOROETHENE,790,25
55698,BAT87081,8/5/97,1 2-DICHLOROPROPANE,25 U,25
55698,BAT87081,8/5/97,BROMODICHLOROMETHANE,25 U,25
55698,BAT87081,8/5/97,CIS-1 3-DICHLOROPROPENE,25 U,25
55698,BAT87081,8/5/97,MIBK,500 U,500
55698,BAT87081,8/5/97,TOLUENE,25 U,25
55698,BAT87081,8/5/97,TRANS-1 3-DICHLOROPROPENE,25 U,25
55698,BAT87081,8/5/97,1 1 2-TRICHLOROETHANE,25 U,25
55698,BAT87081,8/5/97,TETRACHLOROETHENE,25 U,25
55698,BAT87081,8/5/97,2-HEXANONE,500 U,500
55698,BAT87081,8/5/97,DIBROMOCHLOROMETHANE,25 U,25
55698,BAT87081,8/5/97,CHLOROBENZENE,25 U,25
55698,BAT87081,8/5/97,ETHYLBENZENE,25 U,25
55698,BAT87081,8/5/97,P-XYLENE/M-XYLENE,25 U,25
55698,BAT87081,8/5/97,O-XYLENE,25 U,25
55698,BAT87081,8/5/97,STYRENE,25 U,25
55698,BAT87081,8/5/97,BROMOFORM,25 U,25
55698,BAT87081,8/5/97,1 1 2 2-TETRACHLOROETHANE,25 U,25