



SCANNED

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**RELEASE ABATEMENT MEASURE STATUS REPORT
JULY - DECEMBER 2001**

150 SOHIER ROAD
BEVERLY, MASSACHUSETTS 01915
MA DEP SITE NO. 3-0485
Tier 1B Permit No. P23730

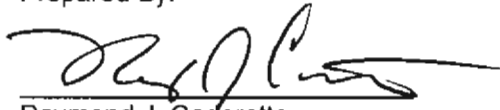
Prepared for:

Varian Medical Systems, Inc.
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Palo Alto, California 94304-1030

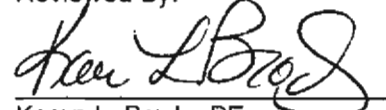
February 28, 2002

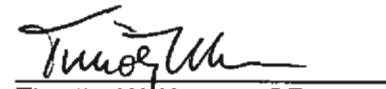
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1.0 INTRODUCTION

On behalf of Varian Medical Systems, Inc. (Varian), IT Corporation (IT) has prepared this semi-annual report for Varian's former facility located at 150 Sohler Road in Beverly, Massachusetts and certain properties located in the vicinity of 150 Sohler Road (the Site). This semi-annual Release Abatement Measure (RAM) Status Report summarizes activities conducted during the months of July through December 2001. A complete RAM Transmittal Form (BWSC-106) is presented in Appendix A. The Site Location Map, Figure 1, illustrates the location of the former Varian facility. The report has been formatted to reference the Massachusetts Contingency Plan (310 CMR 40.0445(2)).

Response actions at the Site that were originally initiated under an Interim Measure were converted to a RAM in the Tier 1B Permit Application dated March 11, 1998. Response actions conducted under the RAM include regular monitoring and sampling of groundwater and surface water locations at the Site and operation of a groundwater recovery and treatment system at 150 Sohler Road. Monthly discharge monitoring and reporting for the water treatment system are conducted under a National Pollutant Discharge Elimination System (NPDES) permit exclusion.

2.0 STATUS OF RESPONSE OPERATIONS (310 CMR 40.0445(2)(a))

2.1 Monitoring and System Operation and Maintenance

Based upon environmental investigations completed at the Site, identified chemicals of concern include the following volatile organic compounds (VOCs): trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA) and the daughter compounds of these chemicals.

During the period of July through December 2001, an annual sampling event (November 2001) was conducted. During the annual sampling event, water samples were originally to be collected from 99 locations for laboratory analysis of VOCs. The number and location of the sampling points for 2001 were established based on a review of the 2000 analytical data and completed Phase II Comprehensive Site Assessment activities. The number of locations actually sampled in 2001 was later decreased to 91 when sampling of 8 shallow wells was delayed until January 2002 to complement the indoor air monitoring conducted at the Site. During the January 2002 sampling event, water samples were collected from 16 locations for laboratory analysis of VOCs.

During the annual sampling event, water levels were measured in selected cluster wells, recovery wells, monitoring wells, surface water points, and piezometer well points adjacent to the Unnamed Stream and Stream A. The sampling locations are shown on Figure 2. Results of these monitoring activities are discussed later in this report (section 3.0) and are summarized in Tables 1 and 2 and depicted on Figures 3 through 5. Time trend graphs of VOC concentration data are included in Appendix B.

During the reporting period, repairs to the groundwater recovery and treatment system were made and sampling of the groundwater treatment system influent, midfluent, and effluent was conducted. Further

discussion of system monitoring operation and maintenance activities is provided in section 5.0 of this report.

3.0 SIGNIFICANT NEW SITE INFORMATION (310 CMR 40.0445(2)(b))

3.1 Groundwater and Surface Water Monitoring and Sampling

The annual sampling event was conducted during the period of November 26 through 30, 2001. For the purpose of this report, data collected during the November 2001 sampling events are referenced as November 26, 2001 on tables and figures. The January sampling event was conducted on January 10 and January 11, 2002. For the purposes of this report, data collected during the January 2002 sampling event are referenced as January 11, 2000 on the figures.

3.1.1 Monitoring and Sampling Field Activities

During the November and January sampling events, the following tasks were performed:

- Water level measurements were collected from selected monitoring wells, recovery wells, surface water points and piezometers located at the Site. Groundwater elevations in the recovery wells were measured directly through stilling tubes located within each recovery well. The recovery wells and selected monitoring wells that have historically shown elevated levels of VOCs were monitored for the presence of dense non-aqueous phase liquid (DNAPL). DNAPL was not encountered during monitoring completed during this reporting period. Water level measurements recorded for the November 2001 event are presented in Table 1. A groundwater contour map (shallow overburden) was prepared using the November 2001 water elevation data (Figure 3).
- Water samples were collected from 89 of the 91 locations scheduled for sampling in November 2001. Sampling point STRHA-5 and monitoring well MW-103 could not be located during the November event and therefore were not sampled. During the January 2002 sampling event, samples were collected from all 16 wells. Samples from both events were submitted for laboratory analysis of VOCs by EPA Method 8260B at Eastern Analytical, Inc., a Massachusetts-certified laboratory located in Concord, New Hampshire.
- Quality Assurance/Quality Control (QA/QC) measures conducted as part of the monitoring and sampling activities included the following:
 - 12 field blanks were collected during the November 2001 event and submitted for laboratory analysis. One field blank was collected during the January 2002 sampling events.
 - Trip blanks were present in all coolers shipped to and from the laboratory for the November 2001 and January 2002 sampling events. Trip blanks were analyzed with the other samples collected and submitted to the laboratory.
 - Samples were submitted to the laboratory under proper chain-of-custody protocol.

- Monitoring and sampling activities were conducted in accordance with the Massachusetts Contingency Plan (310 CMR 40.0000) and related Massachusetts Department of Environmental Protection (MADEP) guidance documents.

Protocol for field activities are described in more detail in Appendix D. Appendix D also includes copies of QA/QC forms completed for the November 2001 and January 2002 events.

3.1.2 Monitoring and Sampling Results

The results of the November 2001 and January 2002 sampling events are presented in Tables 1 and 2, are shown on Figures 3 through 5, and are graphically presented in Appendices B and C. Complete copies of the laboratory analytical reports are presented in Appendix E.

Water elevation data collected from accessible monitoring and sampling points during November 2001 are presented in Table 1. The elevation data reported for shallow overburden wells and surface water locations were used to prepare a groundwater contour map for the November 2001 event (Figure 3). Figure 3 is generally consistent with historical contour maps developed for the Site and illustrates the following:

- The predominant shallow groundwater flow is to the west/southwest, following the regional groundwater flow pattern, which is south and west toward Shoe Pond and the Bass River. A component of shallow groundwater flow to the northwest is also noted on the 150 Sohler Road property, originating near a local topographic high point at the southern end of the former Varian property.
- The groundwater contour map reflects groundwater elevations at the Site when recovery wells RW-1, RW-3, RW-4, RW-5 and RW-17 were actively pumping. RW-2 is currently not pumping due to the presence of residual permanganate at this well from an oxidation pilot test completed in 2001 under another Release Abatement Measure.
- Historically low water levels were measured in wells across the site reflecting the recent lack of precipitation in eastern Massachusetts. In some cases, the water level measured represents an all time low for a particular well. Graphs showing water table elevation data are found in Appendix C.

Figures 4 and 5 illustrate the PCE and TCE concentrations reported for November 2001 and January 2002. A summary of analytical results for chemicals detected at the Site is presented in Tables 3 through 6. The tables present the analytical results of samples collected from shallow wells (wells screened in the upper portion of the overburden aquifer), deep overburden wells (wells screened in the lower portion of the overburden aquifer just above the bedrock interface), bedrock wells (wells screened in bedrock) and surface water sampling locations.

In general, the types and concentrations of VOCs detected in groundwater from the shallow overburden, deep overburden and bedrock wells and surface water sampling locations during the November 2001 sampling event were similar to historical results from the Site, except as noted below.

Concentrations of PCE and TCE detected in groundwater from well CL10-DO decreased significantly from the levels observed in June 2001; however, both PCE and TCE levels continue to show a general

increasing trend since well installation in December 1999. Well CL 10-BR showed a significant increase in both PCE and TCE concentrations from June to November 2001; PCE concentrations increased from 0.07 to 2.2 ppm, and TCE increased from 0.11 to 5.6 ppm.

Concentrations of PCE and TCE show a modest increase at well CL9-DO. PCE levels at this well were below the method detection limit over the three sampling events prior to November 2001, when the PCE concentration was 0.4 parts per million (ppm). TCE levels at this well were also below the method detection limit over the three sampling events prior to November 2001, when the TCE concentration was 0.56 ppm.

VOC concentrations in groundwater collected from wells located within the area of influence of the oxidation pilot test near Building 3 showed dramatic decreases during the period of the pilot test (September 2000 through December 2000). Results of that pilot test were provided in the March 30, 2001 RAM Completion Report. Some of these wells continue to show the influence of the oxidation of VOCs (i.e., AP-2) while others have begun to rebound to pre-test concentrations (i.e., RW-2, MW-13 and MW-14A), as expected.

4.0 DETAILS OR PLANS FOR THE MANAGEMENT OF REMEDIAL WASTE (310 CMR 40.0445(2)(c))

4.1 Remedial System Waste Management

Solvents generated from the operation of the on-site carbon regeneration system are recovered and temporarily stored in a DOT-approved drum in the groundwater treatment facility (Building 9) on the former Varian property. Sludge is generated during the cleaning of system components (the settling tank, sumps and the air strippers) and is also temporarily stored in a DOT-approved drum in the treatment facility on the former Varian property. Once a drum is full, it is removed from the facility for proper disposal.

No drums of recovered solvent or other remedial waste were shipped off Site between July 1 and December 31, 2001.

5.0 MONITORING DATA FROM THE OPERATION OF REMEDIAL SYSTEM (310 CMR 40.0445(2)(d))

5.1 Remedial System Monitoring

The groundwater recovery and treatment system operated normally for this reporting period, except as noted below. The system operated through September 4, 2001 when it was shut down due to an unusual noise in the electric blower for Air Stripper No. 2. The system was restarted September 10, 2001 after the air stripper blower and the process blower on the off-gas vapor treatment system were serviced. No unusual noise was observed following servicing.

On October 12, 2001 the system shut down automatically when the power to the air compressor, which operates automatic valves, was interrupted. This led to an elevated temperature in the PVC vapor duct from Air Stripper No. 1, resulting in the need to replace some sections of the PVC duct. The system was restarted on October 16, 2001 following the replacement of the PVC duct and the system ran normally through the end of the reporting period.

The groundwater recovery and treatment system discharges to the portion of the Unnamed Stream located at the northeast corner of Varian's former facility property at 150 Sohler Road under the guidelines of an NPDES exclusion.

As noted previously, recovery well RW-2 contained residual permanganate from a pilot test conducted in the Fall of 2000. As a result, the pump in RW-2 was taken out of continuous automated service. The pump in RW-2 was typically operated manually during operation and maintenance visits when the color of the discharge water could be observed by the system operator. Often a color change was observed in water pumped from RW-2, so the well pump continues to be operated periodically in manual mode rather than in continuous automated service.

Influent, midfluent and effluent samples from the treatment system were collected during each month of operation. The samples were submitted to Eastern Analytical for analysis by EPA Method 624. A blank was also prepared in the field in the general vicinity of the effluent sample location during each sampling event. The results are summarized in Table 7, and the complete analytical results are presented in Appendix F. The tabulated effluent results indicated compliance with the NPDES exclusion discharge criteria during this monitoring period.

Results of field headspace screening with a photoionization detector (PID) of effluent water samples collected during this reporting period were comparable to background levels. The PID was operated using an 11.7 eV bulb and was calibrated to a 70 ppm standard with 100 ppm of isobutylene/air. Off gas from the primary air stripper to the carbon bed (influent) and the off gas from the carbon bed to the stack (effluent) were checked for organic vapors using the same PID. The PID results shown in Table 8 document removal of at least 95% of organic vapors, in compliance with state regulations.

6.0 OTHER INFORMATION (310 CMR 40.0445(2)(e))

No additional information has been requested by the MADEP with regard to this RAM.

7.0 LICENSED SITE PROFESSIONAL OPINION (310 CMR 40.0445(2)(f))

A Licensed Site Professional Opinion is provided on the Release and Utility Related Abatement Measure (RAM and URAM) Transmittal form provided in Appendix A.

TABLES

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
AP-01	01/20/2000	80.09	5.53	74.56	
AP-01	02/16/2000	80.09	2.33	77.76	
AP-01	02/17/2000	80.09	2.30	77.79	
AP-01	02/28/2000	80.09	1.95	78.14	
AP-01	03/28/2000	80.09	2.25	77.84	
AP-01	06/05/2000	80.09	2.96	77.13	
AP-01	10/09/2000	80.09	2.98	77.11	
AP-01	12/11/2000	80.09	3.90	76.19	
AP-02	09/06/2000	74.57	17.15	57.42	
AP-02	10/09/2000	74.57	16.06	58.51	
AP-02	12/11/2000	74.57	12.63	61.94	Purple color
AP-02	06/04/2001	74.57	14.61	59.96	
AP-02	11/26/2001	74.57	20.31	54.26	
B-2	12/06/1999	80.40	2.90	77.50	
B-2	01/20/2000	80.40	3.02	77.38	
B-2	02/16/2000	80.40	1.81	78.59	
B-2	02/17/2000	80.40	1.68	78.72	
B-2	02/18/2000	80.40	2.33	78.07	
B-2	02/28/2000	80.40	2.11	78.29	
B-2	03/03/2000	80.40	1.61	78.79	
B-2	03/06/2000	80.41	1.80	78.61	
B-2	03/28/2000	80.40	1.85	78.55	
B-2	06/05/2000	80.41	1.75	78.66	
B-2	10/09/2000	80.40	2.23	78.17	
B-2	12/11/2000	80.40	2.87	77.53	
B-2	11/26/2001	80.40	3.40	77.00	
B-3	12/06/1999	66.23	8.87	57.36	
B-3	03/06/2000	66.23	8.21	58.02	
B-3	06/05/2000	66.23	9.16	57.07	
B-3	10/09/2000	66.23	9.11	57.12	
B-3	12/11/2000	66.23	8.09	58.14	
B-3	06/04/2001	66.23	9.08	57.15	
B-3	11/26/2001	66.23	10.67	55.56	
BR-1/ZONE1	12/06/1999	58.60	10.08	48.52	
BR-1/ZONE1	03/06/2000	58.60	9.00	49.60	
BR-1/ZONE1	06/05/2000	58.60	9.80	48.80	
BR-1/ZONE1	10/09/2000	58.60	10.70	47.90	
BR-1/ZONE1	12/11/2000	58.60	9.69	48.91	
BR-1/ZONE1	04/30/2001	58.60	9.41	49.19	
BR-1/ZONE1	06/04/2001	58.60	10.25	48.35	
BR-1/ZONE1	11/26/2001	58.60	11.90	46.70	
BR-1/ZONE2	12/06/1999	58.60	10.09	48.51	
BR-1/ZONE2	03/06/2000	58.60	9.00	49.60	
BR-1/ZONE2	06/05/2000	58.60	9.81	48.79	
BR-1/ZONE2	10/09/2000	58.60	10.68	47.92	
BR-1/ZONE2	12/11/2000	58.60	9.73	48.87	
BR-1/ZONE2	04/30/2001	58.60	9.27	49.33	
BR-1/ZONE2	06/04/2001	58.60	10.17	48.43	
BR-1/ZONE2	11/26/2001	58.60	12.00	46.60	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
BR-1/ZONE3	12/06/1999	58.60	10.94	47.66	
BR-1/ZONE3	03/06/2000	58.60	9.01	49.59	
BR-1/ZONE3	06/05/2000	58.60	9.83	48.77	
BR-1/ZONE3	10/09/2000	58.60	10.69	47.91	
BR-1/ZONE3	12/11/2000	58.60	9.71	48.89	
BR-1/ZONE3	04/30/2001	58.60	9.24	49.36	
BR-1/ZONE3	06/04/2001	58.60	10.07	48.53	
BR-1/ZONE3	11/26/2001	58.60	11.79	46.81	
BR-2/ZONE1	12/06/1999	63.02	8.33	54.69	
BR-2/ZONE1	03/06/2000	63.02	7.75	55.27	
BR-2/ZONE1	06/05/2000	63.02	8.50	54.52	
BR-2/ZONE1	10/09/2000	63.02	8.32	54.70	
BR-2/ZONE1	12/11/2000	63.02	7.15	55.87	
BR-2/ZONE1	04/30/2001	63.02	8.42	54.60	
BR-2/ZONE1	06/04/2001	63.02	9.31	53.71	
BR-2/ZONE1	11/26/2001	63.02	10.65	52.37	
BR-2/ZONE2	12/06/1999	63.02	8.32	54.70	
BR-2/ZONE2	03/06/2000	63.02	7.77	55.25	
BR-2/ZONE2	06/05/2000	63.02	8.52	54.50	
BR-2/ZONE2	10/09/2000	63.02	8.33	54.69	
BR-2/ZONE2	12/11/2000	63.02	7.10	55.92	
BR-2/ZONE2	04/30/2001	63.02	8.34	54.68	
BR-2/ZONE2	06/04/2001	63.02	9.35	53.67	
BR-2/ZONE2	11/26/2001	63.02	10.52	52.50	
BR-2/ZONE3	12/06/1999	63.02	7.64	55.38	
BR-2/ZONE3	03/06/2000	63.02	7.72	55.30	
BR-2/ZONE3	06/05/2000	63.02	8.52	54.50	
BR-2/ZONE3	10/09/2000	63.02	8.29	54.73	
BR-2/ZONE3	12/11/2000	63.02	7.06	55.96	
BR-2/ZONE3	04/30/2001	63.02	8.23	54.79	
BR-2/ZONE3	06/04/2001	63.02	9.42	53.60	
BR-2/ZONE3	11/26/2001	63.02	10.59	52.43	
BR-3/ZONE1	12/06/1999	62.36	23.67	38.69	
BR-3/ZONE1	03/06/2000	62.36	22.28	40.08	
BR-3/ZONE1	06/05/2000	62.36	21.00	41.36	
BR-3/ZONE1	10/09/2000	62.36	27.83	34.53	
BR-3/ZONE1	12/11/2000	62.36	21.95	40.41	
BR-3/ZONE1	04/30/2001	62.36	19.31	43.05	
BR-3/ZONE1	06/04/2001	62.36	21.21	41.15	
BR-3/ZONE1	11/26/2001	62.36	25.32	37.04	
BR-3/ZONE2	12/06/1999	62.36	26.36	36.00	
BR-3/ZONE2	03/06/2000	62.36	24.92	37.44	
BR-3/ZONE2	06/05/2000	62.36	23.20	39.16	
BR-3/ZONE2	10/09/2000	62.36	27.02	35.34	
BR-3/ZONE2	12/11/2000	62.36	25.20	37.16	
BR-3/ZONE2	04/30/2001	62.36	21.52	40.84	
BR-3/ZONE2	06/04/2001	62.36	24.03	38.33	
BR-3/ZONE2	11/26/2001	62.36	29.55	32.81	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
BR-3/ZONE3	12/06/1999	62.36	27.58	34.78	
BR-3/ZONE3	03/06/2000	62.36	25.86	36.50	
BR-3/ZONE3	06/05/2000	62.36	23.91	38.45	
BR-3/ZONE3	10/09/2000	62.36	28.44	33.92	
BR-3/ZONE3	12/11/2000	62.36	26.75	35.61	
BR-3/ZONE3	04/30/2001	62.36	22.45	39.91	
BR-3/ZONE3	06/04/2001	62.36	25.01	37.35	
BR-3/ZONE3	11/26/2001	62.36	30.50	31.86	
BR-4/ZONE1	12/06/1999	53.84	13.83	40.01	
BR-4/ZONE1	03/06/2000	53.84	12.24	41.60	
BR-4/ZONE1	06/05/2000	53.84	12.20	41.64	
BR-4/ZONE1	10/09/2000	53.84	14.40	39.44	
BR-4/ZONE1	12/11/2000	53.84	13.32	40.52	
BR-4/ZONE1	04/30/2001	53.84	NM	NA	
BR-4/ZONE1	06/04/2001	53.84	12.91	40.93	
BR-4/ZONE1	11/26/2001	53.84	15.84	38.00	
BR-4/ZONE2	12/06/1999	53.84	13.79	40.05	
BR-4/ZONE2	03/06/2000	53.84	12.34	41.50	
BR-4/ZONE2	06/05/2000	53.84	12.30	41.54	
BR-4/ZONE2	10/09/2000	53.84	14.31	39.53	
BR-4/ZONE2	12/11/2000	53.84	13.20	40.64	
BR-4/ZONE2	04/30/2001	53.84	11.43	42.41	
BR-4/ZONE2	06/04/2001	53.84	13.03	40.81	
BR-4/ZONE2	11/26/2001	53.84	15.92	37.92	
BR-4/ZONE3	12/06/1999	53.84	13.80	40.04	
BR-4/ZONE3	03/06/2000	53.84	12.34	41.50	
BR-4/ZONE3	06/05/2000	53.84	12.12	41.72	
BR-4/ZONE3	10/09/2000	53.84	14.26	39.58	
BR-4/ZONE3	12/11/2000	53.84	13.25	40.59	
BR-4/ZONE3	04/30/2001	53.84	11.36	42.48	
BR-4/ZONE3	06/04/2001	53.84	13.05	40.79	
BR-4/ZONE3	11/26/2001	53.84	16.00	37.84	
BR-5/ZONE1	12/06/1999	51.04	6.10	44.94	
BR-5/ZONE1	03/06/2000	51.04	5.50	45.54	
BR-5/ZONE1	10/09/2000	51.04	7.44	43.60	
BR-5/ZONE1	12/11/2000	51.04	6.59	44.45	
BR-5/ZONE1	04/30/2001	51.04	6.47	44.57	
BR-5/ZONE1	06/04/2001	51.04	7.55	43.49	
BR-5/ZONE1	11/26/2001	51.04	8.92	42.12	
BR-5/ZONE2	12/06/1999	51.04	6.04	45.00	
BR-5/ZONE2	03/06/2000	51.04	5.48	45.56	
BR-5/ZONE2	10/09/2000	51.04	7.44	43.60	
BR-5/ZONE2	12/11/2000	51.04	6.60	44.44	
BR-5/ZONE2	04/30/2001	51.04	6.74	44.30	
BR-5/ZONE2	06/04/2001	51.04	7.38	43.66	
BR-5/ZONE2	11/26/2001	51.04	8.94	42.10	
BR-5/ZONE3	12/06/1999	51.04	8.80	42.24	
BR-5/ZONE3	03/06/2000	51.04	7.71	43.33	
BR-5/ZONE3	10/09/2000	51.04	9.21	41.83	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
BR-5/ZONE3	12/11/2000	51.04	8.33	42.71	
BR-5/ZONE3	04/30/2001	51.04	7.98	43.06	
BR-5/ZONE3	06/04/2001	51.04	8.76	42.28	
BR-5/ZONE3	11/26/2001	51.04	10.39	40.65	
BR-6/ZONE1	12/06/1999	38.33	0.49	37.84	
BR-6/ZONE1	03/06/2000	38.33	0.19	38.14	
BR-6/ZONE1	06/05/2000	38.33	NA	NA	At surface
BR-6/ZONE1	10/09/2000	38.33	0.77	37.56	
BR-6/ZONE1	12/11/2000	38.33	NA	NA	At surface
BR-6/ZONE1	11/26/2001	38.33	10.06	28.27	
BR-6/ZONE2	12/06/1999	38.33	0.27	38.06	
BR-6/ZONE2	03/06/2000	38.33	0.20	38.13	
BR-6/ZONE2	06/05/2000	38.33	NA	NA	At surface
BR-6/ZONE2	10/09/2000	38.33	0.34	37.99	
BR-6/ZONE2	12/11/2000	38.33	NA	NA	At surface
BR-6/ZONE2	11/26/2001	38.33	11.02	27.31	
BR-6/ZONE3	12/06/1999	38.33	0.90	37.43	
BR-6/ZONE3	03/06/2000	38.33	0.28	38.05	
BR-6/ZONE3	06/05/2000	38.33	0.50	37.83	
BR-6/ZONE3	10/09/2000	38.33	0.52	37.81	
BR-6/ZONE3	12/11/2000	38.33	NA	NA	At surface
BR-6/ZONE3	11/26/2001	38.33	12.01	26.32	
BR-7/ZONE1	12/06/1999	35.15	2.10	33.05	
BR-7/ZONE1	03/06/2000	35.15	0.22	34.93	
BR-7/ZONE1	06/05/2000	35.15	NA	NA	At surface
BR-7/ZONE1	10/09/2000	35.15	1.55	33.60	
BR-7/ZONE1	12/11/2000	35.15	15.01	20.14	
BR-7/ZONE2	12/06/1999	35.15	2.00	33.15	
BR-7/ZONE2	03/06/2000	35.15	-0.67	35.82	
BR-7/ZONE2	06/05/2000	35.15	NA	NA	At surface
BR-7/ZONE2	10/09/2000	35.15	0.94	34.21	
BR-7/ZONE2	12/11/2000	35.15	NA	NA	At surface
BR-7/ZONE3	12/06/1999	35.15	1.90	33.25	
BR-7/ZONE3	03/06/2000	35.15	-0.71	35.86	
BR-7/ZONE3	06/05/2000	35.15	NA	NA	At surface
BR-7/ZONE3	10/09/2000	35.15	0.83	34.32	
BR-7/ZONE3	12/11/2000	35.15	NA	NA	At surface
BR-8/ZONE1	12/06/1999	19.88	4.69	15.19	
BR-8/ZONE1	03/06/2000	19.88	0.57	19.31	
BR-8/ZONE1	06/05/2000	19.88	6.04	13.84	
BR-8/ZONE1	10/09/2000	19.88	4.05	15.83	
BR-8/ZONE1	12/11/2000	19.88	0.85	19.03	
BR-8/ZONE1	11/26/2001	19.88	4.69	15.19	
BR-8/ZONE2	12/06/1999	19.88	4.00	15.88	
BR-8/ZONE2	03/06/2000	19.88	1.51	18.37	
BR-8/ZONE2	06/05/2000	19.88	5.03	14.85	
BR-8/ZONE2	10/09/2000	19.88	0.16	19.72	
BR-8/ZONE2	12/11/2000	19.88	0.90	18.98	
BR-8/ZONE2	11/26/2001	19.88	4.79	15.09	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
BR-8/ZONE3	12/06/1999	19.88	1.50	18.38	
BR-8/ZONE3	03/06/2000	19.88	3.94	15.94	
BR-8/ZONE3	06/05/2000	19.88	1.00	18.88	
BR-8/ZONE3	10/09/2000	19.88	-0.12	20.00	
BR-8/ZONE3	12/11/2000	19.88	4.10	15.78	
BR-8/ZONE3	11/26/2001	19.88	4.88	15.00	
CL01-BR	12/06/1999	69.17	46.30	22.87	
CL01-BR	03/06/2000	69.17	87.14	-17.97	
CL01-BR	06/05/2000	69.17	46.42	22.75	
CL01-BR	10/09/2000	69.17	78.81	-9.64	
CL01-BR	12/11/2000	69.17	55.90	13.27	
CL01-BR	06/04/2001	69.17	79.90	-10.73	
CL01-BR	11/26/2001	69.17	55.67	13.50	
CL01-DO	12/06/1999	69.13	11.10	58.03	
CL01-DO	03/06/2000	69.13	8.22	60.91	
CL01-DO	06/05/2000	69.13	10.46	58.67	
CL01-DO	10/09/2000	69.13	11.29	57.84	
CL01-DO	12/11/2000	69.13	9.45	59.68	
CL01-DO	06/04/2001	69.13	11.70	57.43	
CL01-DO	11/26/2001	69.13	13.12	56.01	
CL01-S	12/06/1999	68.81	10.53	58.28	
CL01-S	03/06/2000	68.81	8.52	60.29	
CL01-S	06/05/2000	68.81	8.83	59.98	
CL01-S	10/09/2000	68.81	10.79	58.02	
CL01-S	12/11/2000	68.81	9.92	58.89	
CL01-S	06/04/2001	68.81	9.35	59.46	
CL01-S	11/26/2001	68.81	12.70	56.11	
CL02-BR	12/06/1999	62.79	8.40	54.39	
CL02-BR	03/06/2000	62.79	7.45	55.34	
CL02-BR	06/05/2000	62.79	8.52	54.27	
CL02-BR	09/06/2000	62.79	8.35	54.44	
CL02-BR	09/14/2000	62.79	8.20	54.59	
CL02-BR	09/15/2000	62.79	8.07	54.72	
CL02-BR	09/18/2000	62.79	8.20	54.59	
CL02-BR	09/25/2000	62.79	8.08	54.71	
CL02-BR	10/09/2000	62.79	8.20	54.59	
CL02-BR	12/11/2000	62.79	7.04	55.75	
CL02-BR	06/04/2001	62.79	9.11	53.68	
CL02-BR	11/26/2001	62.79	10.68	52.11	
CL02-DO	12/06/1999	62.91	8.28	54.63	
CL02-DO	03/06/2000	62.91	7.70	55.21	
CL02-DO	06/05/2000	62.91	8.63	54.28	
CL02-DO	09/06/2000	62.91	8.30	54.61	
CL02-DO	09/14/2000	62.91	8.37	54.54	
CL02-DO	09/15/2000	62.91	8.30	54.61	
CL02-DO	09/18/2000	62.91	8.32	54.59	
CL02-DO	09/25/2000	62.91	8.25	54.66	
CL02-DO	10/09/2000	62.91	8.39	54.52	
CL02-DO	12/11/2000	62.91	7.18	55.73	
CL02-DO	04/30/2001	62.91	8.42	54.49	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
CL02-DO	06/04/2001	62.91	Dry	NA	
CL02-DO	11/26/2001	62.91	10.70	52.21	
CL03-BR	12/06/1999	50.39	8.29	42.10	
CL03-BR	03/06/2000	50.39	7.09	43.30	
CL03-BR	06/05/2000	50.39	7.93	42.46	
CL03-BR	09/06/2000	50.39	8.55	41.84	
CL03-BR	09/14/2000	50.39	8.68	41.71	
CL03-BR	09/15/2000	50.39	8.72	41.67	
CL03-BR	09/18/2000	50.39	8.72	41.67	
CL03-BR	09/25/2000	50.39	8.62	41.77	
CL03-BR	10/09/2000	50.39	8.69	41.70	
CL03-BR	12/11/2000	50.39	7.88	42.51	
CL03-BR	04/30/2001	50.39	7.66	42.73	
CL03-BR	06/04/2001	50.39	8.10	42.29	
CL03-BR	11/26/2001	50.39	9.90	40.49	
CL03-DO	12/06/1999	50.40	8.40	42.00	
CL03-DO	03/06/2000	50.40	7.29	43.11	
CL03-DO	06/05/2000	50.40	8.34	42.06	
CL03-DO	09/06/2000	50.40	8.85	41.55	
CL03-DO	09/14/2000	50.40	8.80	41.60	
CL03-DO	09/15/2000	50.40	8.85	41.55	
CL03-DO	09/18/2000	50.40	8.87	41.53	
CL03-DO	09/25/2000	50.40	8.70	41.70	
CL03-DO	10/09/2000	50.40	8.83	41.57	
CL03-DO	12/11/2000	50.40	8.05	42.35	
CL03-DO	04/30/2001	50.40	7.82	42.58	
CL03-DO	06/04/2001	50.40	8.22	42.18	
CL03-DO	11/26/2001	50.40	10.02	40.38	
CL03-S	12/06/1999	50.21	8.22	41.99	
CL03-S	03/06/2000	50.21	7.14	43.07	
CL03-S	06/05/2000	50.21	7.81	42.40	
CL03-S	10/09/2000	50.21	8.66	41.55	
CL03-S	12/11/2000	50.21	7.86	42.35	
CL03-S	04/30/2001	50.21	7.67	42.54	
CL03-S	06/04/2001	50.21	8.07	42.14	
CL03-S	11/26/2001	50.21	9.88	40.33	
CL04-BR	12/06/1999	47.78	6.03	41.75	
CL04-BR	03/06/2000	47.78	5.05	42.73	
CL04-BR	06/05/2000	47.78	5.54	42.24	
CL04-BR	10/09/2000	47.78	6.27	41.51	
CL04-BR	12/11/2000	47.78	5.64	42.14	
CL04-BR	06/04/2001	47.78	5.67	42.11	
CL04-BR	11/26/2001	47.78	7.05	40.73	
CL04-DO	12/06/1999	47.42	5.64	41.78	
CL04-DO	03/06/2000	47.42	4.75	42.67	
CL04-DO	06/05/2000	47.42	5.18	42.24	
CL04-DO	10/09/2000	47.42	5.89	41.53	
CL04-DO	12/11/2000	47.42	5.28	42.14	
CL04-DO	06/04/2001	47.42	5.29	42.13	
CL04-DO	11/26/2001	47.42	6.59	40.83	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
CL05-DOA	12/06/1999	70.26	47.28	22.98	
CL05-DOA	03/06/2000	70.26	15.78	54.48	
CL05-DOA	06/05/2000	70.26	46.12	24.14	
CL05-DOA	10/09/2000	70.26	14.25	56.01	
CL05-DOA	12/11/2000	70.26	8.41	61.85	
CL05-DOA	04/30/2001	70.26	46.95	23.31	
CL05-DOA	06/04/2001	70.26	46.16	24.10	
CL05-DOA	11/26/2001	70.26	45.41	24.85	
CL06-BR	12/06/1999	58.41	9.87	48.54	
CL06-BR	03/06/2000	58.41	8.86	49.55	
CL06-BR	06/05/2000	58.41	9.75	48.66	
CL06-BR	10/09/2000	58.41	10.40	48.01	
CL06-BR	12/11/2000	58.41	9.55	48.86	
CL06-BR	04/30/2001	58.41	9.34	49.07	
CL06-BR	06/04/2001	58.41	9.88	48.53	
CL06-BR	11/26/2001	58.41	11.45	46.96	
CL06-DO	12/06/1999	58.75	10.23	48.52	
CL06-DO	03/06/2000	58.75	9.16	49.59	
CL06-DO	06/05/2000	58.75	9.97	48.78	
CL06-DO	10/09/2000	58.75	10.74	48.01	
CL06-DO	12/11/2000	58.75	9.92	48.83	
CL06-DO	04/30/2001	58.75	9.60	49.15	
CL06-DO	06/04/2001	58.75	10.18	48.57	
CL06-DO	11/26/2001	58.75	10.80	47.95	
CL06-S	12/06/1999	58.62	8.84	49.78	
CL06-S	03/06/2000	58.62	7.01	51.61	
CL06-S	06/05/2000	58.62	8.68	49.94	
CL06-S	10/09/2000	58.62	9.79	48.83	
CL06-S	12/11/2000	58.62	8.63	49.99	
CL06-S	04/30/2001	58.62	8.19	50.43	
CL06-S	06/04/2001	58.62	9.23	49.39	
CL06-S	11/26/2001	58.62	10.51	48.11	
CL06-S	01/10/2002	58.62	9.25	49.37	
CL07-BR	12/06/1999	52.24	11.18	41.06	
CL07-BR	03/06/2000	52.24	9.85	42.39	
CL07-BR	06/05/2000	52.24	10.78	41.46	
CL07-BR	10/09/2000	52.24	11.62	40.62	
CL07-BR	12/11/2000	52.24	10.79	41.45	
CL07-BR	04/30/2001	52.24	9.69	42.55	
CL07-BR	06/04/2001	52.24	10.68	41.56	
CL07-DO	12/06/1999	52.59	11.58	41.01	
CL07-DO	03/06/2000	52.59	10.15	42.44	
CL07-DO	06/05/2000	52.59	10.75	41.84	
CL07-DO	10/09/2000	52.59	11.87	40.72	
CL07-DO	12/11/2000	52.59	11.13	41.46	
CL07-DO	04/30/2001	52.59	10.10	42.49	
CL07-DO	06/04/2001	52.59	11.02	41.57	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohier Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
CL07-S	12/06/1999	52.75	10.51	42.24	
CL07-S	03/06/2000	52.72	9.25	43.47	
CL07-S	06/05/2000	52.72	9.47	43.25	
CL07-S	10/09/2000	52.75	10.61	42.14	
CL07-S	12/11/2000	52.75	9.95	42.80	
CL07-S	04/30/2001	52.75	9.05	43.70	
CL07-S	06/04/2001	52.75	9.35	43.40	
CL08-BR/ZONE1	12/06/1999	48.28	6.85	41.43	
CL08-BR/ZONE1	03/06/2000	48.28	5.73	42.55	
CL08-BR/ZONE1	06/05/2000	48.28	6.25	42.03	
CL08-BR/ZONE1	10/09/2000	48.28	6.53	41.75	
CL08-BR/ZONE1	12/11/2000	48.28	6.45	41.83	
CL08-BR/ZONE1	04/30/2001	48.28	4.99	43.29	
CL08-BR/ZONE1	06/04/2001	48.28	5.85	42.43	
CL08-BR/ZONE1	11/26/2001	48.28	7.50	40.78	
CL08-BR/ZONE2	12/06/1999	48.28	6.78	41.50	
CL08-BR/ZONE2	03/06/2000	48.28	5.66	42.62	
CL08-BR/ZONE2	06/05/2000	48.28	6.35	41.93	
CL08-BR/ZONE2	10/09/2000	48.28	6.52	41.76	
CL08-BR/ZONE2	12/11/2000	48.28	6.20	42.08	
CL08-BR/ZONE2	04/30/2001	48.28	4.97	43.31	
CL08-BR/ZONE2	06/04/2001	48.28	5.70	42.58	
CL08-BR/ZONE2	11/26/2001	48.28	7.59	40.69	
CL08-BR/ZONE3	12/06/1999	48.28	6.85	41.43	
CL08-BR/ZONE3	03/06/2000	48.28	9.82	38.46	
CL08-BR/ZONE3	06/05/2000	48.28	6.37	41.91	
CL08-BR/ZONE3	10/09/2000	48.28	6.55	41.73	
CL08-BR/ZONE3	12/11/2000	48.28	6.31	41.97	
CL08-BR/ZONE3	04/30/2001	48.28	4.98	43.30	
CL08-BR/ZONE3	06/04/2001	48.28	5.86	42.42	
CL08-BR/ZONE3	11/26/2001	48.28	7.46	40.82	
CL08-DO	12/06/1999	47.85	5.48	42.37	
CL08-DO	03/06/2000	47.85	5.37	42.48	
CL08-DO	06/05/2000	47.85	5.82	42.03	
CL08-DO	10/09/2000	47.85	6.82	41.03	
CL08-DO	12/11/2000	47.85	6.21	41.64	
CL08-DO	04/30/2001	47.85	5.35	42.50	
CL08-DO	06/04/2001	47.85	9.80	38.05	
CL08-DO	11/26/2001	47.85	7.82	40.03	
CL08-S	12/06/1999	47.62	5.25	42.37	
CL08-S	03/06/2000	47.62	5.14	42.48	
CL08-S	06/05/2000	47.62	5.75	41.87	
CL08-S	10/09/2000	47.62	6.59	41.03	
CL08-S	12/11/2000	47.62	5.93	41.69	
CL08-S	04/30/2001	47.62	5.24	42.38	
CL08-S	06/04/2001	47.62	5.78	41.84	
CL08-S	11/26/2001	47.62	7.60	40.02	
CL08-S	01/10/2002	47.62	7.25	40.37	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
CL09-BR/ZONE1	12/06/1999	47.65	0.48	47.17	
CL09-BR/ZONE1	03/06/2000	47.65	0.38	47.27	
CL09-BR/ZONE1	06/05/2000	47.65	0.25	47.40	
CL09-BR/ZONE1	10/09/2000	47.65	0.34	47.31	
CL09-BR/ZONE1	12/11/2000	47.65	NM	NA	Well frozen.
CL09-BR/ZONE1	04/30/2001	47.65	0.39	47.26	
CL09-BR/ZONE1	11/26/2001	47.65	1.92	45.73	
CL09-BR/ZONE2	12/06/1999	47.65	1.46	46.19	
CL09-BR/ZONE2	03/06/2000	47.65	1.44	46.21	
CL09-BR/ZONE2	06/05/2000	47.65	0.25	47.40	
CL09-BR/ZONE2	10/09/2000	47.65	1.19	46.46	
CL09-BR/ZONE2	12/11/2000	47.65	NM	NA	Well frozen.
CL09-BR/ZONE2	04/30/2001	47.65	2.88	44.77	
CL09-BR/ZONE2	11/26/2001	47.65	1.71	45.94	
CL09-BR/ZONE3	12/06/1999	47.65	2.85	44.80	
CL09-BR/ZONE3	03/06/2000	47.65	1.75	45.90	
CL09-BR/ZONE3	06/05/2000	47.65	0.35	47.30	
CL09-BR/ZONE3	10/09/2000	47.65	3.92	43.73	
CL09-BR/ZONE3	12/11/2000	47.65	3.08	44.57	
CL09-BR/ZONE3	04/30/2001	47.65	2.92	44.73	
CL09-BR/ZONE3	11/26/2001	47.65	5.64	42.01	
CL09-DO	12/06/1999	47.43	4.74	42.69	
CL09-DO	03/06/2000	47.43	3.42	44.01	
CL09-DO	06/05/2000	47.43	4.20	43.23	
CL09-DO	10/09/2000	47.43	5.30	42.13	
CL09-DO	12/11/2000	47.43	4.43	43.00	
CL09-DO	04/30/2001	47.43	3.97	43.46	
CL09-DO	06/04/2001	47.43	4.68	42.75	
CL09-DO	11/26/2001	47.43	6.90	40.53	
CL09-S	12/06/1999	47.08	4.17	42.91	
CL09-S	03/06/2000	47.08	2.65	44.43	
CL09-S	06/05/2000	47.08	3.89	43.19	
CL09-S	10/09/2000	47.08	4.79	42.29	
CL09-S	12/11/2000	47.08	3.07	44.01	
CL09-S	04/30/2001	47.08	3.35	43.73	
CL09-S	06/04/2001	47.08	4.14	42.94	
CL09-S	11/26/2001	47.08	6.55	40.53	
CL10-BR	03/06/2000	72.10	2.95	69.15	
CL10-BR	06/05/2000	72.10	5.17	66.93	
CL10-BR	10/09/2000	72.10	7.43	64.67	
CL10-BR	12/11/2000	72.10	5.66	66.44	
CL10-BR	06/04/2001	72.10	6.30	65.80	
CL10-BR	11/26/2001	72.10	3.46	68.64	
CL10-BR2	01/15/2001	82.04	17.31	64.73	
CL10-BR2	02/13/2001	82.04	17.08	64.96	
CL10-DO	03/06/2000	72.40	2.43	69.97	
CL10-DO	06/05/2000	72.40	7.03	65.37	
CL10-DO	10/09/2000	72.40	9.48	62.92	
CL10-DO	12/11/2000	72.40	5.70	66.70	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
CL10-DO	06/04/2001	72.40	5.75	66.65	
CL10-DO	11/26/2001	72.40	8.41	63.99	
CL10-S	03/06/2000	72.47	1.29	71.18	
CL10-S	06/05/2000	72.47	3.65	68.82	
CL10-S	10/09/2000	72.47	5.43	67.04	
CL10-S	12/11/2000	72.47	3.71	68.76	
CL10-S	06/04/2001	72.47	4.20	68.27	
CL10-S	11/26/2001	72.47	6.87	65.60	
CL11-DO	03/06/2000	68.72	23.18	45.54	
CL11-DO	06/05/2000	68.72	20.61	48.11	
CL11-DO	10/09/2000	68.72	22.33	46.39	
CL11-DO	12/11/2000	68.72	20.48	48.24	
CL11-DO	04/30/2001	NA	19.97	NA	
CL11-DO	06/04/2001	68.72	21.10	47.62	
CL11-S	03/06/2000	68.46	16.65	51.81	
CL11-S	06/05/2000	68.46	16.71	51.75	
CL11-S	10/09/2000	68.46	19.52	48.94	
CL11-S	12/11/2000	68.46	17.45	51.01	
CL11-S	04/30/2001	NA	16.04	NA	
CL11-S	06/04/2001	68.46	18.16	50.30	
CL12-DO	12/11/2000	49.72	7.43	42.29	
CL12-DO	06/04/2001	49.72	7.75	41.97	
CL12-S1	12/11/2000	49.73	7.52	42.21	
CL12-S1	06/04/2001	49.73	7.72	42.01	
CL12-S2	12/11/2000	51.01	8.83	42.18	
CL12-S2	06/04/2001	51.01	9.00	42.01	
CL13-BR	01/15/2001	51.31	7.74	43.57	
CL13-BR	02/13/2001	51.31	6.20	45.11	
CL13-BR	04/30/2001	51.31	5.00	46.31	
CL13-BR	06/04/2001	51.31	6.06	45.25	
CL13-BR	11/26/2001	51.31	7.93	43.38	
CL13-DO	01/15/2001	51.24	6.56	44.68	
CL13-DO	02/13/2001	51.24	3.28	47.96	
CL13-DO	04/30/2001	51.24	5.82	45.42	
CL13-DO	06/04/2001	51.24	6.90	44.34	
CL13-DO	11/26/2001	51.24	9.17	42.07	
CL13-S	01/15/2001	51.21	4.03	47.18	
CL13-S	02/13/2001	51.21	3.79	47.42	
CL13-S	04/30/2001	51.21	3.92	47.29	
CL13-S	06/04/2001	51.21	4.25	46.96	
CL13-S	11/26/2001	51.21	5.88	45.33	
COLRD CULVERT	12/06/1999	23.92	2.73	21.19	
COLRD CULVERT	03/06/2000	22.96	2.72	20.24	
COLRD CULVERT	12/11/2000	22.96	Dry	NA	
COLRD CULVERT	06/04/2001	22.96	4.45	18.51	
GZ-1	12/06/1999	48.28	6.73	41.55	
GZ-1	03/06/2000	48.28	5.65	42.63	
GZ-1	06/05/2000	48.28	6.30	41.98	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
GZ-1	10/09/2000	48.28	7.50	40.78	
GZ-1	12/11/2000	48.28	6.36	41.92	
GZ-1	06/04/2001	48.28	6.59	41.69	
GZ-1	11/26/2001	48.28	8.12	40.16	
GZ-2	12/06/1999	49.34	7.68	41.66	
GZ-2	03/06/2000	49.34	6.55	42.79	
GZ-2	06/05/2000	49.34	7.25	42.09	
GZ-2	10/09/2000	49.34	8.00	41.34	
GZ-2	12/11/2000	49.34	7.39	41.95	
GZ-2	06/04/2001	49.34	7.65	41.69	
GZ-2	11/26/2001	49.34	9.10	40.24	
GZ-3	12/06/1999	45.19	3.88	41.31	
GZ-3	03/06/2000	45.19	2.87	42.32	
GZ-3	06/05/2000	45.19	3.50	41.69	
GZ-3	10/09/2000	45.19	4.19	41.00	
GZ-3	12/11/2000	45.19	3.47	41.72	
GZ-3	06/04/2001	45.19	3.77	41.42	
GZ-3	11/26/2001	45.19	5.25	39.94	
GZ-4	12/06/1999	45.13	5.06	40.07	
GZ-4	03/06/2000	45.13	4.11	41.02	
GZ-4	06/05/2000	45.13	4.78	40.35	
GZ-4	10/09/2000	45.13	5.22	39.91	
GZ-4	12/11/2000	45.13	4.68	40.45	
GZ-4	06/04/2001	45.13	4.81	40.32	
GZ-4	11/26/2001	45.13	6.34	38.79	
HA-01	12/06/1999	57.27	6.35	50.92	
HA-01	03/06/2000	57.27	6.73	50.54	
HA-01	06/05/2000	57.27	7.49	49.78	
HA-01	10/09/2000	57.27	7.52	49.75	
HA-01	12/11/2000	57.27	7.54	49.73	
HA-02	12/06/1999	51.29	4.68	46.61	
HA-02	03/06/2000	51.29	4.53	46.76	
HA-02	06/05/2000	51.29	4.74	46.55	
HA-02	10/09/2000	51.29	4.74	46.55	
HA-02	12/11/2000	51.29	4.33	46.96	
HA-03	12/06/1999	45.78	4.21	41.57	
HA-03	03/06/2000	45.78	3.95	41.83	
HA-03	06/05/2000	45.78	3.99	41.79	
HA-03	10/09/2000	45.78	3.98	41.80	
HA-03	12/11/2000	45.78	3.86	41.92	
HA-03	06/04/2001	45.78	3.84	41.94	
HA-03	11/26/2001	45.78	3.79	41.99	
HA-04	12/06/1999	43.58	2.96	40.62	
HA-04	03/06/2000	43.58	3.09	40.49	
HA-04	06/05/2000	43.58	3.18	40.40	
HA-04	10/09/2000	43.58	3.30	40.28	
HA-04	12/11/2000	43.58	3.35	40.23	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
HA-05	12/06/1999	34.72	3.75	30.97	
HA-05	03/06/2000	34.72	4.43	30.29	
HA-05	10/09/2000	34.72	NM	NA	No access.
HA-05	12/11/2000	34.72	4.36	30.36	
HA-07A	12/06/1999	29.35	8.90	20.45	
HA-07A	03/06/2000	29.35	9.19	20.16	
HA-07A	06/05/2000	29.35	9.82	19.53	
HA-07A	10/09/2000	29.35	9.70	19.65	
HA-07A	12/11/2000	29.35	9.48	19.87	
HA-07B	12/06/1999	25.43	3.37	22.06	
HA-07B	03/06/2000	25.43	4.04	21.39	
HA-07B	06/05/2000	25.43	5.59	19.84	
HA-07B	10/09/2000	25.43	5.87	19.56	
HA-07B	12/11/2000	25.43	4.55	20.88	
HA-08	12/06/1999	15.51	4.20	11.31	
HA-08	03/06/2000	15.51	4.16	11.35	
HA-08	06/05/2000	15.51	4.50	11.01	
HA-08	10/09/2000	15.51	4.45	11.06	
HA-08	12/11/2000	15.51	4.19	11.32	
HA-09	10/09/2000	13.12	NM	NA	Destroyed.
HA-09	12/11/2000	13.12	NM	NA	
HA-10	12/06/1999	38.47	3.60	34.87	
HA-10	03/06/2000	38.47	3.35	35.12	
HA-10	10/09/2000	38.47	NM	NA	
HA-10	12/11/2000	38.47	NM	NA	
MARSH	12/06/1999	30.39	2.57	27.82	
MARSH	03/06/2000	30.39	2.72	27.67	
MARSH	12/11/2000	30.39	2.30	28.09	
MW-001	12/06/1999	73.27	9.08	64.19	
MW-001	03/06/2000	73.27	6.35	66.92	
MW-001	06/05/2000	73.27	8.24	65.03	
MW-001	10/09/2000	73.27	10.53	62.74	
MW-001	12/11/2000	73.27	8.07	65.20	
MW-001	06/04/2001	73.27	9.26	64.01	
MW-001DO	03/06/2000	72.56	22.91	49.65	
MW-001DO	06/05/2000	72.56	20.51	52.05	
MW-001DO	09/06/2000	72.56	22.95	49.61	
MW-001DO	09/12/2000	72.56	18.68	53.88	
MW-001DO	09/13/2000	72.56	18.56	54.00	
MW-001DO	09/14/2000	72.56	18.68	53.88	
MW-001DO	09/15/2000	72.56	18.87	53.69	
MW-001DO	09/18/2000	72.56	18.78	53.78	
MW-001DO	09/25/2000	72.56	18.42	54.14	
MW-001DO	10/09/2000	72.56	18.86	53.70	
MW-001DO	12/11/2000	72.56	17.61	54.95	
MW-001DO	06/04/2001	72.56	20.92	51.64	
MW-001DO	11/26/2001	72.56	22.88	49.68	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
MW-001R	12/06/1999	63.35	5.35	58.00	
MW-001R	03/06/2000	63.35	3.35	60.00	
MW-001R	06/05/2000	63.35	3.72	59.63	
MW-001R	10/09/2000	63.35	5.64	57.71	
MW-001R	12/11/2000	63.35	4.74	58.61	
MW-001R	04/30/2001	63.35	2.63	60.72	
MW-001R	06/04/2001	63.35	5.62	57.73	
MW-002	12/06/1999	80.08	21.89	58.19	
MW-002	03/06/2000	80.08	12.32	67.76	
MW-002	06/05/2000	80.08	14.91	65.17	
MW-002	10/09/2000	80.08	12.80	67.28	
MW-002	12/11/2000	80.08	20.59	59.49	
MW-002	11/26/2001	80.08	27.00	53.08	
MW-002R	12/06/1999	62.59	4.93	57.66	
MW-002R	03/06/2000	62.59	3.83	58.76	
MW-002R	06/05/2000	62.59	4.96	57.63	
MW-002R	10/09/2000	62.59	5.58	57.01	
MW-002R	12/11/2000	62.59	4.53	58.06	
MW-002R	04/30/2001	62.59	4.38	58.21	
MW-002R	06/04/2001	62.59	5.05	57.54	
MW-002R	11/26/2001	62.59	6.92	55.67	
MW-003	12/06/1999	74.47	20.30	54.17	
MW-003	03/06/2000	74.47	17.87	56.60	
MW-003	06/05/2000	74.47	19.02	55.45	
MW-003	10/09/2000	74.47	20.45	54.02	
MW-003	12/11/2000	74.47	18.98	55.49	
MW-003	06/04/2001	74.47	19.87	54.60	
MW-003R	12/06/1999	61.57	3.97	57.60	
MW-003R	03/06/2000	61.57	3.95	57.62	
MW-003R	06/05/2000	61.57	4.02	57.55	
MW-003R	10/09/2000	61.57	4.76	56.81	
MW-003R	12/11/2000	61.57	3.63	57.94	
MW-003R	04/30/2001	61.57	3.53	58.04	
MW-003R	06/04/2001	61.57	4.32	57.25	
MW-004	12/06/1999	70.07	15.34	54.73	
MW-004	03/06/2000	70.07	13.15	56.92	
MW-004	06/05/2000	70.07	14.47	55.60	
MW-004	10/09/2000	70.07	17.18	52.89	
MW-004	12/11/2000	70.07	13.75	56.32	
MW-004R	12/06/1999	62.63	8.00	54.63	
MW-004R	03/06/2000	62.63	7.23	55.40	
MW-004R	06/05/2000	62.63	8.34	54.29	
MW-004R	10/09/2000	62.63	8.06	54.57	
MW-004R	12/11/2000	62.63	6.89	55.74	
MW-004R	04/30/2001	62.63	8.12	54.51	
MW-004R	06/04/2001	62.63	4.59	58.04	
MW-005	12/06/1999	69.64	16.67	52.97	
MW-005	03/06/2000	69.64	15.92	53.72	
MW-005	06/05/2000	69.64	16.44	53.20	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
MW-005	10/09/2000	69.64	16.48	53.16	
MW-005	12/11/2000	69.64	16.02	53.62	
MW-005	06/04/2001	69.64	16.84	52.80	
MW-005	11/26/2001	69.64	18.02	51.62	
MW-005R	12/06/1999	62.96	5.00	57.96	
MW-005R	03/06/2000	62.96	3.98	58.98	
MW-005R	06/05/2000	62.96	5.12	57.84	
MW-005R	10/09/2000	62.96	6.20	56.76	
MW-005R	12/11/2000	62.96	4.77	58.19	
MW-005R	04/30/2001	62.96	4.61	58.35	
MW-005R	06/04/2001	62.96	5.45	57.51	
MW-005R	11/26/2001	62.96	7.45	55.51	
MW-006	12/06/1999	66.93	12.90	54.03	
MW-006	03/06/2000	66.93	11.65	55.28	
MW-006	06/05/2000	66.93	12.53	54.40	
MW-006	10/09/2000	66.93	12.95	53.98	
MW-006	12/11/2000	66.93	12.44	54.49	
MW-006	06/04/2001	66.93	12.90	54.03	
MW-006R	12/06/1999	63.60	7.32	56.28	
MW-006R	03/06/2000	63.60	6.40	57.20	
MW-006R	06/05/2000	63.60	7.09	56.51	
MW-006R	10/09/2000	63.60	8.76	54.84	
MW-006R	12/11/2000	63.60	7.30	56.30	
MW-006R	04/30/2001	63.60	6.85	56.75	
MW-006R	06/04/2001	63.60	2.65	60.95	
MW-007	12/06/1999	67.04	11.55	55.49	
MW-007	03/06/2000	67.04	17.05	49.99	
MW-007	06/05/2000	67.04	11.58	55.46	
MW-007	10/09/2000	67.04	11.93	55.11	
MW-007	12/11/2000	67.04	11.47	55.57	
MW-007	06/04/2001	67.04	11.92	55.12	
MW-007R	12/06/1999	63.77	6.40	57.37	
MW-007R	03/06/2000	63.77	4.85	58.92	
MW-007R	06/05/2000	63.77	5.10	58.67	
MW-007R	10/09/2000	63.77	6.65	57.12	
MW-007R	12/11/2000	63.77	5.75	58.02	
MW-007R	04/30/2001	63.77	4.36	59.41	
MW-007R	06/04/2001	63.77	4.15	59.62	
MW-008	12/06/1999	68.96	12.03	56.93	
MW-008	03/06/2000	68.96	11.85	57.11	
MW-008	06/05/2000	68.96	12.21	56.75	
MW-008	10/09/2000	68.96	12.36	56.60	
MW-008	12/11/2000	68.96	11.73	57.23	
MW-008	06/04/2001	68.96	12.20	56.76	
MW-008	11/26/2001	68.96	13.08	55.88	
MW-009	12/06/1999	63.50	6.05	57.45	
MW-009	03/06/2000	63.50	5.56	57.94	
MW-009	06/05/2000	63.50	6.32	57.18	
MW-009	10/09/2000	63.50	6.61	56.89	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
MW-009	12/11/2000	63.50	5.59	57.91	
MW-009	06/04/2001	63.50	6.30	57.20	
MW-009A	12/06/1999	63.86	6.49	57.37	
MW-009A	03/06/2000	63.86	5.71	58.15	
MW-009A	06/05/2000	63.86	6.70	57.16	
MW-009A	10/09/2000	63.86	6.85	57.01	
MW-009A	12/11/2000	63.86	5.89	57.97	
MW-009A	06/04/2001	63.86	6.68	57.18	
MW-009A	11/26/2001	63.86	8.00	55.86	
MW-010	12/06/1999	66.16	8.65	57.51	
MW-010	03/06/2000	66.16	9.33	56.83	
MW-010	06/05/2000	66.16	9.78	56.38	
MW-010	10/09/2000	66.16	9.10	57.06	
MW-010	12/11/2000	66.16	8.52	57.64	
MW-010	06/04/2001	66.16	8.97	57.19	
MW-011	12/06/1999	65.37	7.40	57.97	
MW-011	03/06/2000	65.64	6.45	59.19	
MW-011	10/09/2000	65.37	8.44	56.93	
MW-011	12/11/2000	65.33	7.07	58.26	
MW-011	06/04/2001	65.33	3.11	62.22	
MW-012	12/06/1999	85.50	6.70	78.80	
MW-012	01/20/2000	85.50	6.13	79.37	
MW-012	02/16/2000	85.50	5.17	80.33	
MW-012	02/17/2000	85.50	5.21	80.29	
MW-012	02/18/2000	85.50	5.49	80.01	
MW-012	02/28/2000	85.50	5.38	80.12	
MW-012	03/03/2000	85.50	5.08	80.42	
MW-012	03/06/2000	85.41	5.45	79.96	
MW-012	03/28/2000	85.50	5.37	80.13	
MW-012	06/05/2000	85.41	6.10	79.31	
MW-012	10/09/2000	85.50	6.96	78.54	
MW-012	12/11/2000	85.50	5.96	79.54	
MW-012	11/26/2001	85.50	9.04	76.46	
MW-013	12/06/1999	69.05	11.68	57.37	
MW-013	03/06/2000	69.05	10.88	58.17	
MW-013	06/05/2000	69.05	11.92	57.13	
MW-013	09/06/2000	69.05	12.25	56.80	
MW-013	09/12/2000	69.05	12.23	56.82	
MW-013	09/13/2000	69.05	12.21	56.84	
MW-013	09/14/2000	69.05	12.25	56.80	
MW-013	09/15/2000	69.05	12.28	56.77	
MW-013	09/18/2000	69.05	12.30	56.75	
MW-013	09/25/2000	69.05	12.32	56.73	
MW-013	10/09/2000	69.05	12.05	57.00	
MW-013	12/11/2000	69.05	11.04	58.01	
MW-013	06/04/2001	69.05	11.90	57.15	
MW-013	11/26/2001	69.05	13.55	55.50	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
MW-014A	12/06/1999	75.59	20.18	55.41	
MW-014A	03/06/2000	75.77	20.70	55.07	
MW-014A	06/05/2000	75.77	20.43	55.34	
MW-014A	10/09/2000	75.59	18.91	56.68	
MW-014A	12/11/2000	75.59	17.20	58.39	
MW-014A	06/04/2001	75.59	21.20	54.39	
MW-014A	11/26/2001	75.59	23.55	52.04	
MW-015	12/06/1999	67.67	12.53	55.14	
MW-015	03/06/2000	67.67	12.25	55.42	
MW-015	06/05/2000	67.67	13.01	54.66	
MW-015	10/09/2000	67.67	12.11	55.56	
MW-015	12/11/2000	67.67	11.73	55.94	
MW-016	12/06/1999	66.82	15.31	51.51	
MW-016	03/06/2000	66.82	14.42	52.40	
MW-016	10/09/2000	66.82	15.19	51.63	
MW-016	12/11/2000	66.82	14.63	52.19	
MW-016	06/04/2001	66.82	15.41	51.41	
MW-030	12/06/1999	79.87	12.90	66.97	
MW-030	03/06/2000	79.87	6.60	73.27	
MW-030	06/05/2000	79.87	10.79	69.08	
MW-030	10/09/2000	79.87	15.16	64.71	
MW-030	12/11/2000	79.87	11.05	68.82	
MW-031	12/06/1999	78.01	5.55	72.46	
MW-031	01/20/2000	78.01	4.98	73.03	
MW-031	03/06/2000	78.02	3.95	74.07	
MW-031	06/05/2000	78.02	4.42	73.60	
MW-031	10/09/2000	78.01	7.25	70.76	
MW-031	12/11/2000	78.01	6.06	71.95	
MW-032	12/06/1999	82.44	7.40	75.04	
MW-032	03/06/2000	82.44	5.31	77.13	
MW-032	06/05/2000	82.44	7.20	75.24	
MW-032	10/09/2000	82.44	4.60	77.84	
MW-032	12/11/2000	82.44	7.37	75.07	
MW-033B	03/06/2000	91.16	2.63	88.53	
MW-033B	06/05/2000	91.16	4.15	87.01	
MW-033B	10/09/2000	91.16	3.89	87.27	
MW-033B	12/11/2000	91.16	3.52	87.64	
MW-033B	11/26/2001	91.16	9.54	81.62	
MW-034	12/06/1999	35.30	1.84	33.46	
MW-034	03/06/2000	35.30	1.29	34.01	
MW-034	06/05/2000	35.30	3.50	31.80	
MW-034	10/09/2000	35.30	2.41	32.89	
MW-034	12/11/2000	35.30	1.81	33.49	
MW-034	11/26/2001	35.30	3.05	32.25	
MW-035	12/06/1999	61.78	27.24	34.54	
MW-035	03/06/2000	61.78	26.63	35.15	
MW-035	10/09/2000	61.78	25.10	36.68	
MW-035	12/11/2000	61.78	26.69	35.09	
MW-035	06/04/2001	61.78	22.37	39.41	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
MW-035	11/26/2001	61.78	28.46	33.32	
MW-036	12/11/2000	52.64	10.40	42.24	
MW-036	06/04/2001	52.64	10.60	42.04	
MW-036	11/26/2001	52.64	12.43	40.21	
MW-103	12/06/1999	74.25	11.20	63.05	
MW-103	03/06/2000	74.25	8.34	65.91	
MW-103	06/05/2000	74.25	10.31	63.94	
MW-103	10/09/2000	74.25	NM	NA	Could not locate well.
MW-103	12/11/2000	74.25	NM	NA	Could not locate well.
MW-103	06/04/2001	74.25	11.32	62.93	
MW-103	11/26/2001	74.25	NM	NA	Well not located.
MW-104R	12/06/1999	56.83	10.15	46.68	
MW-104R	03/06/2000	56.83	7.72	49.11	
MW-104R	06/05/2000	56.83	9.60	47.23	
MW-104R	10/09/2000	56.83	10.53	46.30	
MW-104R	12/11/2000	56.83	9.42	47.41	
MW-104R	04/30/2001	56.83	6.15	50.68	
MW-104R	06/04/2001	56.83	9.70	47.13	
MW-105R	12/06/1999	60.56	2.50	58.06	
MW-105R	03/06/2000	60.56	2.85	57.71	
MW-105R	06/05/2000	60.56	2.92	57.64	
MW-105R	10/09/2000	60.56	3.56	57.00	
MW-105R	12/11/2000	60.56	2.47	58.09	
MW-105R	04/30/2001	60.56	NM	NA	
MW-105R	06/04/2001	60.56	2.93	57.63	
MW-105R	11/26/2001	60.56	4.89	55.67	
P-01	12/06/1999	74.12	8.90	65.22	
P-01	03/06/2000	74.12	7.07	67.05	
P-01	06/05/2000	74.12	9.17	64.95	
P-01	10/09/2000	74.12	11.35	62.77	
P-01	12/11/2000	74.12	8.91	65.21	
P-02	10/09/2000	87.75	NM	NA	
P-02	12/11/2000	87.75	NM	NA	
P-03	12/06/1999	16.34	NM	NA	Could not locate well.
P-03	10/09/2000	16.34	NM	NA	Well destroyed.
P-03	12/11/2000	16.34	NM	NA	
P-04	12/06/1999	23.39	7.35	16.04	
P-04	03/06/2000	23.39	2.94	20.45	
P-04	06/05/2000	23.39	3.70	19.69	
P-04	10/09/2000	23.39	3.87	19.52	
P-04	12/11/2000	23.39	3.64	19.75	
P-04	06/04/2001	23.39	3.81	19.58	
P-04	11/26/2001	23.39	3.99	19.40	
P-04	01/10/2002	23.39	5.00	18.39	
P-05	12/06/1999	33.46	7.20	26.26	
P-05	03/06/2000	33.46	6.70	26.76	
P-05	06/05/2000	33.46	7.00	26.46	
P-05	10/09/2000	33.46	7.35	26.11	
P-05	12/11/2000	33.46	7.13	26.33	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
P-05	06/04/2001	33.46	7.34	26.12	
P-05	11/26/2001	33.46	8.28	25.18	
P-05	01/10/2002	33.46	7.80	25.66	
P-06	12/06/1999	38.04	8.32	29.72	
P-06	03/06/2000	38.04	7.46	30.58	
P-06	06/05/2000	38.04	7.75	30.29	
P-06	10/09/2000	38.04	8.79	29.25	
P-06	12/11/2000	38.04	8.41	29.63	
P-07	12/06/1999	42.64	9.38	33.26	
P-07	03/06/2000	42.64	8.35	34.29	
P-07	06/05/2000	42.64	8.65	33.99	
P-07	10/09/2000	42.64	9.65	32.99	
P-07	12/11/2000	42.64	9.15	33.49	
P-07	06/04/2001	42.64	9.45	33.19	
P-08	12/06/1999	43.83	12.20	31.63	
P-08	03/06/2000	43.83	11.10	32.73	
P-08	06/05/2000	43.83	11.50	32.33	
P-08	10/09/2000	43.83	12.80	31.03	
P-08	12/11/2000	43.83	12.61	31.22	
P-08	06/04/2001	43.83	12.85	30.98	
P-08	11/26/2001	43.83	13.93	29.90	
P-09	12/06/1999	39.08	5.61	33.47	
P-09	03/06/2000	39.08	Obstructed	NA	
P-09	06/05/2000	39.08	5.00	34.08	
P-09	10/09/2000	39.08	5.60	33.48	
P-09	12/11/2000	39.08	5.28	33.80	
P-09	06/04/2001	39.08	NM	NA	Could not locate well.
P-09	11/26/2001	39.08	NM	NA	Obstruction in well.
P-09	01/10/2002	39.08	6.30	32.78	
P-10	12/06/1999	46.50	5.70	40.80	
P-10	03/06/2000	46.50	4.59	41.91	
P-10	06/05/2000	46.50	5.00	41.50	
P-10	10/09/2000	46.50	6.07	40.43	
P-10	12/11/2000	46.50	5.18	41.32	
P-10	06/04/2001	46.50	5.35	41.15	
P-10	01/10/2002	46.50	6.75	39.75	
P-11	12/06/1999	47.97	6.66	41.31	
P-11	03/06/2000	47.97	5.53	42.44	
P-11	06/05/2000	47.97	6.22	41.75	
P-11	10/09/2000	47.97	7.00	40.97	
P-11	12/11/2000	47.97	6.20	41.77	
P-11	06/04/2001	47.97	6.48	41.49	
P-11	11/26/2001	47.97	8.00	39.97	
P-11	01/10/2002	47.97	8.40	39.57	
P-12	12/06/1999	46.37	5.09	41.28	
P-12	03/06/2000	46.37	3.92	42.45	
P-12	06/05/2000	46.37	4.25	42.12	
P-12	10/09/2000	46.37	5.52	40.85	
P-12	12/11/2000	46.37	4.65	41.72	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
P-12	06/04/2001	46.37	4.72	41.65	
P-12	01/10/2002	46.37	6.10	40.27	
P-13	12/06/1999	47.20	5.43	41.77	
P-13	03/06/2000	47.20	4.26	42.94	
P-13	06/05/2000	47.20	5.00	42.20	
P-13	10/09/2000	47.20	5.69	41.51	
P-13	12/11/2000	47.20	5.05	42.15	
P-13	04/30/2001	47.20	4.69	42.51	
P-13	06/04/2001	47.20	5.30	41.90	
P-13	11/26/2001	47.20	6.88	40.32	
P-13	01/10/2002	47.20	6.15	41.05	
P-14	12/06/1999	47.93	5.84	42.09	
P-14	03/06/2000	47.93	4.72	43.21	
P-14	06/05/2000	47.93	3.80	44.13	
P-14	10/09/2000	47.93	6.27	41.66	
P-14	12/11/2000	47.93	5.42	42.51	
P-14	04/30/2001	47.93	4.50	43.43	
P-14	06/04/2001	47.93	6.68	41.25	
P-14	11/26/2001	47.93	7.52	40.41	
P-14	01/10/2002	47.93	6.80	41.13	
P-15	12/06/1999	55.42	11.85	43.57	
P-15	03/06/2000	55.42	10.08	45.34	
P-15	10/09/2000	55.42	11.69	43.73	
P-15	12/11/2000	55.42	11.01	44.41	
P-15	04/30/2001	55.42	NM	NA	
P-15	06/04/2001	55.42	NM	NA	Could not locate well.
P-16	12/06/1999	62.25	Dry	NA	
P-16	03/06/2000	62.25	Dry	NA	
P-16	06/05/2000	62.25	Dry	NA	
P-16	10/09/2000	62.25	NM	NA	
P-16	12/11/2000	62.25	Dry	NA	
P-16	04/30/2001	62.25	NM	NA	
P-16	06/04/2001	62.25	NM	NA	
P-17	12/06/1999	34.39	9.38	25.01	
P-17	03/06/2000	34.39	8.37	26.02	
P-17	06/05/2000	34.39	9.53	24.86	
P-17	10/09/2000	34.39	10.34	24.05	
P-17	12/11/2000	34.39	8.72	25.67	
P-17	11/26/2001	34.39	NM	NA	Pipe damaged; unable to gauge well.
P-18	12/06/1999	36.41	2.74	33.67	
P-18	03/06/2000	36.41	1.70	34.71	
P-18	06/05/2000	36.41	2.50	33.91	
P-18	10/09/2000	36.41	2.78	33.63	
P-18	12/11/2000	36.41	2.83	33.58	
P-18	06/04/2001	36.41	5.25	31.16	
P-18	11/26/2001	36.41	3.22	33.19	
P-18	01/10/2002	36.41	2.31	34.10	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
P-19	12/06/1999	47.36	6.48	40.88	
P-19	03/06/2000	47.36	6.70	40.66	
P-19	10/09/2000	47.36	NM	NA	Well destroyed.
P-19	12/11/2000	47.36	NM	NA	
P-19	01/10/2002	47.36	8.90	38.46	
P-20	12/06/1999	42.82	1.46	41.36	
P-20	03/06/2000	42.82	0.69	42.13	
P-20	06/05/2000	42.82	1.82	41.00	
P-20	10/09/2000	42.82	2.14	40.68	
P-20	12/11/2000	42.82	1.41	41.41	
P-20	06/04/2001	42.82	1.49	41.33	
P-20	11/26/2001	42.82	NM	NA	Well not located.
P-20	01/10/2002	42.82	2.31	40.51	
P-21	12/06/1999	47.95	7.16	40.79	
P-21	03/06/2000	47.95	6.07	41.88	
P-21	06/05/2000	47.95	6.80	41.15	
P-21	10/09/2000	47.95	7.60	40.35	
P-21	12/11/2000	47.95	6.91	41.04	
P-21	06/04/2001	47.95	7.71	40.24	
P-21	11/26/2001	47.95	8.59	39.36	
P-21	01/10/2002	47.95	7.80	40.15	
P-22	12/06/1999	45.39	12.28	33.11	
P-22	03/06/2000	45.39	11.23	34.16	
P-22	10/09/2000	45.39	NM	NA	Well destroyed.
P-22	12/11/2000	45.39	NM	NA	
P-23	12/06/1999	39.86	8.54	31.32	
P-23	03/06/2000	39.86	7.06	32.80	
P-23	06/05/2000	39.86	7.50	32.36	
P-23	10/09/2000	39.86	8.91	30.95	
P-23	12/11/2000	39.86	8.40	31.46	
P-23	06/04/2001	39.86	5.34	34.52	
P-23	11/26/2001	39.86	10.16	29.70	
P-23	01/10/2002	39.86	9.90	29.96	
P-24	12/06/1999	43.79	2.53	41.26	
P-24	03/06/2000	43.79	1.63	42.16	
P-24	10/09/2000	43.79	2.97	40.82	
P-24	12/11/2000	43.79	2.38	41.41	
P-24	06/04/2001	43.79	2.37	41.42	
P-24	01/10/2002	43.79	3.00	40.79	
P-25	12/06/1999	72.48	8.38	64.10	
P-25	03/06/2000	72.48	5.72	66.76	
P-25	06/05/2000	72.48	8.26	64.22	
P-25	10/09/2000	72.48	9.81	62.67	
P-25	12/11/2000	72.48	NM	NA	
P-26	12/06/1999	72.29	Dry	NA	
P-26	03/06/2000	72.29	5.25	67.04	
P-26	06/05/2000	72.29	7.22	65.07	
P-26	10/09/2000	72.29	NM	NA	
P-26	12/11/2000	72.29	NM	NA	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
P-27	12/06/1999	72.37	Dry	NA	
P-27	03/06/2000	72.37	5.85	66.52	
P-27	06/05/2000	72.37	7.50	64.87	
P-27	10/09/2000	72.37	NM	NA	
P-27	12/11/2000	72.37	NM	NA	
P-28	12/06/1999	72.29	Dry	NA	
P-28	03/06/2000	72.29	5.55	66.74	
P-28	06/05/2000	72.29	Dry	NA	
P-28	10/09/2000	72.29	NM	NA	
P-28	12/11/2000	72.29	NM	NA	
P-29	12/06/1999	72.39	Dry	NA	
P-29	03/06/2000	72.39	6.83	65.56	
P-29	06/05/2000	72.39	7.49	64.90	
P-29	10/09/2000	72.39	NM	NA	
P-29	12/11/2000	72.39	NM	NA	
PLMW-1	12/06/1999	32.58	1.88	30.70	
PLMW-1	03/06/2000	32.58	2.46	30.12	
PLMW-1	10/09/2000	32.58	NM	NA	No access from property owner.
PLMW-1	12/11/2000	32.58	3.94	28.64	
PLMW-2	12/06/1999	33.65	1.40	32.25	
PLMW-2	03/06/2000	33.65	2.65	31.00	
PLMW-2	10/09/2000	33.65	NM	NA	No access from property owner.
PLMW-2	12/11/2000	33.65	2.63	31.02	
PLMW-3	12/06/1999	36.54	7.02	29.52	
PLMW-3	03/06/2000	36.54	7.14	29.40	
PLMW-3	10/09/2000	36.54	NM	NA	No access from property owner.
PLMW-3	12/11/2000	36.54	7.32	29.22	
RW-01/MW-18	12/06/1999	63.32	6.10	57.22	
RW-01/MW-18	03/06/2000	63.32	8.78	54.54	
RW-01/MW-18	06/05/2000	63.32	14.82	48.50	
RW-01/MW-18	09/06/2000	63.32	6.55	56.77	
RW-01/MW-18	09/13/2000	63.32	6.49	56.83	
RW-01/MW-18	09/14/2000	63.32	6.47	56.85	
RW-01/MW-18	09/15/2000	63.32	6.48	56.84	
RW-01/MW-18	09/25/2000	63.32	6.52	56.80	
RW-01/MW-18	10/09/2000	63.32	6.23	57.09	
RW-01/MW-18	12/11/2000	63.32	9.65	53.67	
RW-01/MW-18	06/04/2001	63.32	14.08	49.24	
RW-01/MW-18	11/26/2001	63.32	12.46	50.86	
RW-02	12/06/1999	72.21	31.30	40.91	
RW-02	06/05/2000	72.21	28.78	43.43	
RW-02	09/06/2000	72.21	16.44	55.77	
RW-02	09/12/2000	72.21	0.33	71.88	Approx. DTW based on field observations.
RW-02	10/09/2000	72.21	10.64	61.57	
RW-02	12/11/2000	72.21	12.82	59.39	
RW-02	06/04/2001	72.21	16.41	55.80	
RW-02	11/26/2001	72.21	18.50	53.71	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
RW-03	12/06/1999	60.80	5.01	55.79	
RW-03	03/06/2000	60.80	12.26	48.54	
RW-03	06/05/2000	60.80	44.46	16.34	
RW-03	09/06/2000	60.80	5.21	55.59	
RW-03	09/13/2000	60.80	4.98	55.82	
RW-03	09/14/2000	60.80	4.94	55.86	
RW-03	09/15/2000	60.80	4.98	55.82	
RW-03	09/18/2000	60.80	5.01	55.79	
RW-03	09/25/2000	60.80	5.07	55.73	
RW-03	10/09/2000	60.80	5.31	55.49	
RW-03	12/11/2000	60.80	3.70	57.10	
RW-03	06/04/2001	60.80	28.44	32.36	
RW-03	11/26/2001	60.80	14.40	46.40	
RW-04	12/06/1999	69.48	NM	NA	
RW-04	03/06/2000	69.48	61.51	7.97	
RW-04	06/05/2000	69.48	58.44	11.04	
RW-04	10/09/2000	69.48	13.27	56.21	
RW-04	12/11/2000	69.48	7.33	62.15	
RW-04	06/04/2001	69.48	62.79	6.69	
RW-04	11/26/2001	69.48	51.49	17.99	
RW-05	12/06/1999	64.64	15.71	48.93	
RW-05	03/06/2000	64.64	20.09	44.55	
RW-05	06/05/2000	64.64	12.81	51.83	
RW-05	10/09/2000	64.64	8.91	55.73	
RW-05	12/11/2000	64.64	8.41	56.23	
RW-05	06/04/2001	64.64	15.32	49.32	
RW-05	11/26/2001	64.64	16.13	48.51	
RW-17/MW-17	12/06/1999	69.73	27.08	42.65	
RW-17/MW-17	03/06/2000	69.73	27.63	42.10	
RW-17/MW-17	06/05/2000	69.73	27.69	42.04	
RW-17/MW-17	09/06/2000	69.73	16.90	52.83	
RW-17/MW-17	09/13/2000	69.73	16.89	52.84	
RW-17/MW-17	09/14/2000	69.73	16.89	52.84	
RW-17/MW-17	09/15/2000	69.73	16.92	52.81	
RW-17/MW-17	09/18/2000	69.73	16.89	52.84	
RW-17/MW-17	09/25/2000	69.73	16.71	53.02	
RW-17/MW-17	10/09/2000	69.73	15.81	53.92	
RW-17/MW-17	12/11/2000	69.73	16.13	53.60	
RW-17/MW-17	06/04/2001	69.73	27.83	41.90	
RW-17/MW-17	11/26/2001	69.73	27.96	41.77	
RW-18	12/11/2000	49.06	6.85	42.21	
RW-18	06/04/2001	49.06	7.03	42.03	
RW-19	12/11/2000	49.21	6.88	42.33	
RW-19	06/04/2001	49.21	7.07	42.14	
RW-20	12/11/2000	48.54	6.03	42.51	
RW-20	06/04/2001	48.54	6.55	41.99	
RW-21	12/11/2000	48.47	6.40	42.07	
RW-21	04/30/2001	48.47	5.85	42.62	Measured to TOC.
RW-21	06/04/2001	48.47	6.30	42.17	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
RW-22	09/06/2000	75.15	23.10	52.05	
RW-22	09/13/2000	75.15	23.05	52.10	
RW-22	09/14/2000	75.15	23.12	52.03	
RW-22	09/15/2000	75.15	23.02	52.13	
RW-22	09/18/2000	75.15	23.00	52.15	
RW-22	09/25/2000	75.15	23.10	52.05	
RW-22	10/09/2000	75.15	23.22	51.93	
RW-22	12/11/2000	75.15	22.30	52.85	
RW-22	04/30/2001	75.15	26.28	48.87	Measured to TOC.
RW-22	06/04/2001	75.15	27.12	48.03	
RW-22	11/26/2001	75.15	24.82	50.33	
SHORT POND	12/06/1999	45.44	2.86	42.58	
SHORT POND	03/06/2000	45.44	2.43	43.01	
SHORT POND	12/11/2000	45.44	2.50	42.94	
SHORT POND	04/30/2001	45.44	NM	NA	
SHORT POND	06/04/2001	45.44	3.31	42.13	
STR-01	12/06/1999	67.97	14.30	53.67	
STR-01	03/06/2000	67.97	14.25	53.72	
STR-01	06/05/2000	67.97	13.44	54.53	
STR-01	10/09/2000	67.97	14.35	53.62	
STR-01	12/11/2000	67.97	14.23	53.74	
STR-01	11/26/2001	67.97	14.30	53.67	
STR-02	12/06/1999	60.12	7.75	52.37	
STR-02	03/06/2000	60.12	7.91	52.21	
STR-02	06/05/2000	60.12	7.80	52.32	
STR-02	10/09/2000	60.12	7.88	52.24	
STR-02	12/11/2000	60.12	7.80	52.32	
STR-03	12/06/1999	60.54	3.10	57.44	
STR-03	03/06/2000	60.54	3.35	57.19	
STR-03	06/05/2000	60.54	3.51	57.03	
STR-03	10/09/2000	60.54	3.60	56.94	
STR-03	12/11/2000	60.54	3.60	56.94	
STR-03	11/26/2001	60.54	3.70	56.84	
STR-04	12/06/1999	47.99	3.35	44.64	
STR-04	03/06/2000	47.99	3.38	44.61	
STR-04	06/05/2000	47.99	3.34	44.65	
STR-04	10/09/2000	47.99	3.42	44.57	
STR-04	12/11/2000	47.99	3.35	44.64	
STR-04	06/04/2001	47.99	3.80	44.19	
STR-04	11/26/2001	47.99	3.35	44.64	
STR-05	12/06/1999	43.61	1.48	42.13	
STR-05	03/06/2000	43.61	1.45	42.16	
STR-05	06/05/2000	43.61	1.40	42.21	
STR-05	10/09/2000	43.61	1.31	42.30	
STR-05	12/11/2000	43.61	1.20	42.41	
STR-06	03/06/2000	NA	4.09	NA	
STR-06	06/05/2000	NA	4.12	NA	
STR-06	10/09/2000	NA	3.86	NA	
STR-06	12/11/2000	NA	4.15	NA	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
STR-11	12/06/1999	36.08	1.47	34.61	
STR-11	03/06/2000	36.01	1.25	34.76	
STR-11	06/05/2000	36.01	1.50	34.51	
STR-11	10/09/2000	36.08	1.48	34.60	
STR-11	12/11/2000	36.08	3.15	32.93	
STR-11	06/04/2001	36.01	NM	NA	Could not locate measuring point.
STR-11	11/26/2001	36.01	1.63	34.38	
STR-12	12/06/1999	46.26	4.03	42.23	
STR-12	03/06/2000	46.26	3.88	42.38	
STR-12	06/05/2000	46.26	4.03	42.23	
STR-12	10/09/2000	46.26	4.52	41.74	
STR-12	12/11/2000	46.26	3.98	42.28	
STR-12	04/30/2001	46.26	3.91	42.35	
STR-12	06/04/2001	46.26	4.00	42.26	
STR-13	12/06/1999	42.57	0.42	42.15	
STR-13	03/06/2000	42.57	0.46	42.11	
STR-13	06/05/2000	42.57	0.50	42.07	
STR-13	10/09/2000	42.57	Dry	NA	
STR-13	12/11/2000	42.57	0.47	42.10	
STR-13	04/30/2001	42.57	3.08	39.49	
STR-13	06/04/2001	42.57	0.70	41.87	
STR-14	03/06/2000	34.45	1.94	32.51	
STR-14	06/05/2000	34.45	1.70	32.75	
STR-14	10/09/2000	34.45	2.17	32.28	
STR-14	12/11/2000	34.45	2.05	32.40	
STR-15	03/06/2000	31.97	1.88	30.09	
STR-15	06/05/2000	31.97	2.00	29.97	
STR-15	10/09/2000	31.97	2.08	29.89	
STR-15	12/11/2000	31.97	1.63	30.34	
STR-16	03/06/2000	24.68	1.49	23.19	
STR-16	06/05/2000	24.68	1.80	22.88	
STR-16	10/09/2000	24.68	NM	NA	Needs to be reset.
STR-16	12/11/2000	24.68	1.71	22.97	
STR-16	06/04/2001	24.68	1.85	22.83	
STR-16	11/26/2001	24.68	1.92	22.76	
STR-17	03/06/2000	20.25	1.35	18.90	
STR-17	06/05/2000	20.25	1.70	18.55	
STR-17	10/09/2000	20.25	1.45	18.80	
STR-17	12/11/2000	20.25	1.38	18.87	
STR-17	06/04/2001	20.25	2.02	18.23	
STR-17	11/26/2001	20.25	1.38	18.87	
STRHA-01	12/06/1999	50.81	1.00	49.81	
STRHA-01	03/06/2000	50.81	1.07	49.74	
STRHA-01	06/05/2000	50.81	0.78	50.03	
STRHA-01	10/09/2000	50.81	0.98	49.83	
STRHA-01	12/11/2000	50.81	0.98	49.83	
STRHA-02	12/06/1999	47.90	1.12	46.78	
STRHA-02	03/06/2000	47.90	0.75	47.15	
STRHA-02	06/05/2000	47.90	0.99	46.91	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
STRHA-02	10/09/2000	47.90	0.99	46.91	
STRHA-02	12/11/2000	47.90	1.07	46.83	
STRHA-03	12/06/1999	41.50	0.49	41.01	
STRHA-03	03/06/2000	41.50	-0.26	41.76	
STRHA-03	06/05/2000	41.50	-0.27	41.77	
STRHA-03	10/09/2000	41.50	0.66	40.84	
STRHA-03	12/11/2000	41.50	NA	NA	Well under water.
STRHA-03	06/04/2001	41.50	NM	NA	Well inaccessible.
STRHA-03	11/26/2001	41.50	NM	NA	Well not located.
STRHA-04	12/06/1999	40.86	0.10	40.76	
STRHA-04	03/06/2000	40.86	0.14	40.72	
STRHA-04	06/05/2000	40.86	0.22	40.64	
STRHA-04	10/09/2000	40.86	0.21	40.65	
STRHA-04	12/11/2000	40.86	0.40	40.46	
STRHA-05	12/06/1999	32.08	1.09	30.99	
STRHA-05	03/06/2000	32.08	1.15	30.93	
STRHA-05	10/09/2000	32.08	NM	NA	No access from property owner.
STRHA-05	12/11/2000	32.08	1.22	30.86	
STRHA-05	06/04/2001	32.08	NM	NA	Well not located.
STRHA-05	11/26/2001	32.08	NM	NA	Well not located.
STRHA-07A	12/06/1999	19.50	0.27	19.23	
STRHA-07A	03/06/2000	19.33	0.42	18.91	
STRHA-07A	06/05/2000	19.33	1.72	17.61	
STRHA-07A	10/09/2000	19.50	0.45	19.05	
STRHA-07A	12/11/2000	19.50	0.46	19.04	
STRHA-07A	06/04/2001	19.50	1.22	18.28	
STRHA-07A	11/26/2001	19.50	0.36	19.14	
STRHA-07B	12/06/1999	20.24	0.73	19.51	
STRHA-07B	03/06/2000	20.24	0.86	19.38	
STRHA-07B	06/05/2000	20.24	1.70	18.54	
STRHA-07B	10/09/2000	20.24	Dry	NA	
STRHA-07B	12/11/2000	20.24	0.93	19.31	
STRHA-07B	06/04/2001	20.24	1.35	18.89	
STRHA-07B	11/26/2001	20.24	Dry	NA	
STRHA-08	12/06/1999	10.97	0.63	10.34	
STRHA-08	03/06/2000	10.97	0.57	10.40	
STRHA-08	06/05/2000	10.97	7.50	3.47	
STRHA-08	10/09/2000	10.97	0.76	10.21	
STRHA-08	12/11/2000	10.97	3.66	7.31	
STRHA-08	06/04/2001	10.97	0.66	10.31	
STRHA-08	11/26/2001	10.97	4.66	6.31	
STRHA-09	12/06/1999	7.17	0.44	6.73	
STRHA-09	03/06/2000	7.17	0.20	6.97	
STRHA-09	06/05/2000	7.17	5.00	2.17	
STRHA-09	10/09/2000	7.17	0.45	6.72	
STRHA-09	12/11/2000	7.17	3.95	3.22	
STRHA-09	06/04/2001	7.17	NM	NA	Could not locate measuring point.
STRHA-09	11/26/2001	7.17	NM	NA	

TABLE 1
SUMMARY OF FLUID LEVEL MEASUREMENTS
(Continued)

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	Notes
STRHA-10	12/06/1999	36.61	3.04	33.57	
STRHA-10	03/06/2000	36.61	2.85	33.76	
STRHA-10	10/09/2000	36.61	NM	NA	
STRHA-10	12/11/2000	36.61	6.20	30.41	
STRMH-01	12/06/1999	51.64	7.98	43.66	
STRMH-01	03/06/2000	51.64	8.01	43.63	
STRMH-01	06/05/2000	51.64	8.11	43.53	
STRMH-01	10/09/2000	51.64	7.91	43.73	
STRMH-01	12/11/2000	51.64	9.88	41.76	
STRMH-02	12/06/1999	51.51	9.25	42.26	
STRMH-02	03/06/2000	51.51	9.20	42.31	
STRMH-02	06/05/2000	51.51	9.28	42.23	
STRMH-02	10/09/2000	51.51	9.13	42.38	
STRMH-02	12/11/2000	51.51	9.00	42.51	
TMW-01	01/20/2000	80.06	7.55	72.51	
TMW-01	02/16/2000	80.06	1.94	78.12	
TMW-01	02/17/2000	80.06	1.95	78.11	
TMW-01	02/18/2000	80.06	1.95	78.11	
TMW-01	02/28/2000	80.06	1.88	78.18	
TMW-01	03/03/2000	80.06	1.93	78.13	
TMW-01	03/28/2000	80.06	1.90	78.16	
TMW-01	06/05/2000	80.06	2.12	77.94	
TMW-01	10/09/2000	80.06	1.92	78.14	
TMW-01	12/11/2000	80.06	2.20	77.86	
TMW-02	01/20/2000	80.00	2.60	77.40	
TMW-02	02/16/2000	80.00	1.90	78.10	
TMW-02	02/17/2000	80.00	1.88	78.12	
TMW-02	02/18/2000	80.00	1.77	78.23	
TMW-02	02/28/2000	80.00	1.78	78.22	
TMW-02	03/03/2000	80.00	1.73	78.27	
TMW-02	03/28/2000	80.00	1.80	78.20	
TMW-02	06/05/2000	80.00	2.02	77.98	
TMW-02	10/09/2000	80.00	2.18	77.82	
TMW-02	12/11/2000	80.00	2.22	77.78	
W-1	12/06/1999	51.46	4.35	47.11	
W-1	03/06/2000	51.46	2.55	48.91	
W-1	10/09/2000	51.46	5.32	46.14	
W-1	12/11/2000	51.46	5.12	46.34	
W-1	11/26/2001	51.46	5.60	45.86	
W-3	12/06/1999	48.06	6.12	41.94	
W-3	03/06/2000	48.06	5.25	42.81	
W-3	06/05/2000	48.06	5.72	42.34	
W-3	10/09/2000	48.06	6.25	41.81	
W-3	12/11/2000	48.06	5.70	42.36	
W-3	06/04/2001	48.06	5.77	42.29	
W-3	11/26/2001	48.06	6.85	41.21	
WENHAM LAKE	12/06/1999	NA	NA	NA	

Table 1 Notes

Wells are located at 150 Sohler Road unless otherwise indicated.

Datum used is the stone bound located at the northeasterly most corner of the property at 150 Sohler Road having an elevation of 67.37 feet above MSL.

Stream locations utilized by IT since 03/28/94 do not correspond to the CHES stream locations. IT has reviewed CHES historical stream locations to reflect comparable water level locations where appropriate.

Unless otherwise noted, the depth to groundwater readings for the recovery wells are measured in stilling tubes installed in the wells.

Top of Casing elevations were resurveyed on 3/01/97. Top of Casings found to be incorrectly referenced to surface elevation were corrected. All monitoring points refer to the corrected Top of Casing.

The surface water elevation measurement location for STRHA-10 was moved 7/14/97. Elevation data is collected by measuring down from the top of the culvert entrance where the Bass River enters and flows south beneath Yale Blvd. New gauging point surveyed

Well MW-14A is a co-located replacement well for obstructed well MW-14. MW-14A was installed on 5/7/98 and MW-14 abandoned.

In August 1998 monitoring wells MW-12, B-2 and MW-31 were resurveyed following repairs to the roadboxes for these wells.

In February 2001 wells RW18 through RW22, CL12, CL13, CL10BR2, MW-36, AP2, MW11, MW103, and MW5 were surveyed for top of casing elevations.

Wells HA-9, P-3, P-19, and P-22 Destroyed.

Bedrock wells CL8-BR, CL9-BR, and BR-1 through BR-8 have multilevel sampling units installed within the bedrock portion of the well.

Zones 1 through 3 refer to the sampling unit interval. Zone 1 corresponds to the deepest zone. Zone 2 is the middle zone. Zone 3 is the zone closest to the ground surface.

All measurements are in feet.

Corrections to Table 1 made - 12/3/97:

4/7/97: The depth to water value for RW-2 was incorrectly reported as 17.80 ft. This value has been corrected and is reported as 17.08 ft.

1/6/97: The depth to water value for STR-12 was incorrectly reported as 3.36 ft. This value has been corrected and is reported as 3.63 ft.

Correction to Table 1 made - 9/98:

4/27/98: The depth to water value for MW-17/RW-17 was incorrectly reported as 23.41 ft. This value has been corrected and is reported as 24.54 ft.

NM	Not Monitored
NA	Not Applicable
NS	Not Surveyed
HA	Refers to a hand auger sample point located adjacent to a stream.
STRHA	Stream surface water sample location associated with a hand auger (HA) point.
STRMH	Refers to a manhole or culvert in which a stream flows. Manhole covers are removed to collect a stream sample.

No access	Locations PLMW-1, PLMW-2, PLMW-3, HA-5 and STRHA-5 were not gauged during the October 9, 2000 monitoring event because legal access to 37 Tozer Road was not granted.
MW-10, MW-15, CL1	Wells are located at the interchange of Sohler Road and Route 128.
P-3, BR-8, HA-8, STRHA-8, STRHA-9	Piezometer, wells, and surface water location are located at 100 Sohler Road.
P-4	Piezometer is located at the intersection of Snell Road and Jordan Street.
P-5	Piezometer is located on Windsor Road.
P-6	Piezometer is located at the north end of Gray Road.
P-7	Piezometer is located at the intersection of Cabot Street and Lexington Drive.
P-8	Piezometer is located at the southern end of Medford Street.
P-9, P-19, P-22, BR-6, STR-11, STR-14	Piezometers and wells are located in Hill Street. STR-11 and STR-14 are surface water sample points located at the east end of Hill Street.
P-10	Piezometer is located on Country Drive.
P-11	Piezometer is located on Longview Terrace.
P-12	Piezometer is located on Longmeadow Road.
P-13, P-14	Piezometers is located on Sonning Road.
P-15	Piezometer is located on Puritan Road at the intersection of Puritan Road and Dodge Street.
P-16, BR-3, MW-35	Piezometer and wells are located on Devon Avenue at the intersection of Devon Avenue and Dodge Street.
P-17, MW-34, BR-7, HA-7A, STRHA-7A, HA-7B, STRHA-7B, STR-15, STR-16, STR-17, CULVERT OUTFALL	Piezometer, wells, and surface water sampling points are located at 39 Tozer Road.
P-18	Piezometer is located at the southern boundary of parcel 181, the property at 36 Lexington Drive.
P-20	Piezometer is located adjacent to soccer goal at south end of playing field, Map 54, Parcel 140 - Longview Terrace.
P-21	Piezometer is located at intersection of Longview Terrace and Longview Drive.
P-23	Piezometer is located in the cul-de-sac at eastern end of Lexington Drive.
P-24	Piezometer is located adjacent to baseball backstop at northeast corner of playing field, Map 54, Parcel 140 - Longview Terrace.
CL2, BR-2, MW-1R through MW-7R, MW-104R, MW-105R	Wells located at 16 Tozer Road.
CL3, BR-5, CL12, RW-18 through RW-21, MW-36	Wells located at 28 Tozer Road.
CL4, W-1, W-3, HA-1, STRHA-1, HA-2, STRHA-2, STR-2, STR-4, STR-5, STRMH-1, STRMH-2	Wells and surface water sampling points are located at 30 Tozer Road.

CL6, BR-1	Wells are located in cul-de-sac at western end of Walden Street.
CL7	Well is located on Conant Street near the intersection of Dodge Street.
CL8	Well is located on Shortmeadow Road.
CL9	Well is located on Commons Drive.
CL13	Well is located on Hellard Road
BR-4	Well is located at the corner of Arlington Avenue and Dodge Street.
GZ-1, GZ-2, GZ-3, GZ-4	Wells are located at 31 Tozer Road.
PLMW-1, PLMW-2, PLMW-3, HA-5, STRHA-5	Wells and surface water sampling points are located at 37 Tozer Road.
CL10, HA-3, STRHA-3, HA-4, STRHA-4	Wells and surface water sampling points are located at 32 Tozer Road.
HA-10, STRHA-10	Well and surface water sampling points are located at Yale Boulevard, Map 53, Parcel 81 (City of Beverly Assessor's Office).
STR-12	Location is west of Sonning Road, Map 54, north of parcel 7A in the Route 128 MBTA right-of-way.
STR-13	Stream point located in west branch of Stream A, west of STR-12.
COLRD CULVERT	COLRD culvert refers to a surface water sampling location near Columbia Road.
MARSH	Marsh refers to a surface water sampling location near Fitzgerald Way.
SHORT POND	Short Pond refers to a surface water sampling location near Shortmeadow Road.
WENHAM LAKE	Wenham Lake elevation determined at Pump Station staff gauge. The staff gauge at the Pump Station was removed between October 5, 1998 and March 17, 1999.

Table 2
SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
AP-01	01/20/2000	ND(0.002)	0.052	0.023	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.015	1.1	ND(0.002)	0.035	0.41	0.0070
AP-01	03/28/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.020	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.002)
AP-01	06/05/2000	ND(0.002)	0.0070	ND(0.001)	ND(0.002)	ND(0.002)	0.014	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
AP-02	09/06/2000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	76	400	ND(2.0)	ND(2.0)	ND(1.0)	ND(1.0)
AP-02	10/09/2000	1.4	0.010	ND(0.010)	ND(0.010)	ND(0.010)	2.1	ND(0.020)	1.0	0.040	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
AP-02	12/11/2000	0.38	0.0030	0.0030	ND(0.002)	ND(0.002)	0.30	0.060	0.071	0.0040	0.0030	ND(0.002)	ND(0.002)	ND(0.002)
AP-02	04/03/2001	0.83	ND(0.010)	0.010	ND(0.010)	ND(0.010)	0.42	ND(0.020)	0.10	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
AP-02	04/03/2001	0.80	ND(0.010)	0.020	ND(0.010)	ND(0.010)	0.41	ND(0.020)	0.23	0.060	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
AP-02	06/04/2001	1.00	0.019	ND(0.001)	ND(0.002)	ND(0.002)	0.670	ND(0.010)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
AP-02	11/26/2001	1.0	0.030	ND(0.010)	ND(0.010)	ND(0.010)	0.50	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
B-2	12/06/1999	ND(0.002)	0.025	0.011	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.008	1.70	ND(0.002)	0.013	1.20	0.012
B-2	01/20/2000	0.0030	0.028	0.023	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.032	1.1	ND(0.002)	0.023	0.48	0.0080
B-2	03/28/2000	0.0020	0.019	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
B-2	06/05/2000	ND(0.010)	0.030	0.010	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.020	0.88	ND(0.020)	0.030	0.57	ND(0.010)
B-2	12/11/2000	ND(0.002)	0.019	0.014	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.015	1.4	ND(0.002)	0.025	0.85	0.0050
B-3	12/06/1999	2.9	ND(0.01)	0.06	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.33	0.05	ND(0.02)	ND(0.02)	ND(0.01)	ND(0.01)
B-3	06/05/2000	0.750	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.11	0.014	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
B-3	12/11/2000	4.2	ND(0.010)	0.11	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.53	0.080	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
B-3	11/26/2001	0.66	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.25	0.040	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
BR-1/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-1/ZONE1	03/06/2000	ND(0.010)	ND(0.010)	ND(0.001)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.050	0.15	ND(0.020)	ND(0.020)	0.58	ND(0.010)
BR-1/ZONE1	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.010	0.020	ND(0.020)	ND(0.020)	0.85	ND(0.010)
BR-1/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.17	0.710	ND(0.002)	ND(0.002)	1.20	ND(0.002)
BR-1/ZONE2	12/06/1999	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.009	0.015	ND(0.002)	ND(0.002)	1D	0.005
BR-1/ZONE2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.038	0.14	ND(0.002)	ND(0.002)	0.27	ND(0.002)
BR-1/ZONE2	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.058	0.730	ND(0.002)	ND(0.002)	0.19	0.0040
BR-1/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	ND(0.002)
BR-1/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
BR-1/ZONE3	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-2/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	1.10	2.20	ND(0.002)	ND(0.002)	0.18	0.002
BR-2/ZONE1	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.54	1.2	ND(0.020)	ND(0.020)	0.42	ND(0.010)
BR-2/ZONE1	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.40	1.0	ND(0.020)	ND(0.020)	0.080	ND(0.010)
BR-2/ZONE2	12/06/1999	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	1D	1.90	ND(0.002)	ND(0.002)	0.21	0.002
BR-2/ZONE2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.094	0.23	ND(0.002)	ND(0.002)	0.31	ND(0.002)
BR-2/ZONE2	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.45	0.90	ND(0.020)	ND(0.020)	0.12	ND(0.010)
BR-2/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.016	0.082	ND(0.002)	ND(0.002)	0.38	0.004
BR-2/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	0.0010	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.10	0.25	ND(0.002)	ND(0.002)	0.31	0.0020
BR-2/ZONE3	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.47	0.93	ND(0.020)	ND(0.020)	0.11	ND(0.010)
BR-3/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE1	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE2	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE2	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)

Table 2

SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cs-1,2-DCE	trans-1,2-DCE
BR-3/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-3/ZONE3	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE1	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE2	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE2	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-4/ZONE3	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-5/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.035	0.14	ND(0.002)	0.009	0.1	ND(0.002)
BR-5/ZONE1	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.13	0.73	ND(0.020)	0.050	0.34	ND(0.010)
BR-5/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.14	0.076	ND(0.002)	0.610	0.510	ND(0.002)
BR-5/ZONE2	12/06/1999	ND(0.002)	0.008	0.018	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	10	2.70	ND(0.002)	0.085	2.50	0.017
BR-5/ZONE2	12/11/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	0.80	4.2	ND(0.20)	ND(0.20)	1.5	ND(0.10)
BR-5/ZONE2	11/26/2001	ND(0.010)	ND(0.010)	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.47	1.5	ND(0.020)	0.82	1.1	ND(0.010)
BR-5/ZONE3	12/06/1999	ND(0.01)	0.06	0.13	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	2.5	8.10	ND(0.02)	0.22	150	0.33
BR-5/ZONE3	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.46	2.5	ND(0.020)	0.030	3.1	ND(0.010)
BR-5/ZONE3	11/26/2001	ND(0.010)	0.060	0.14	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	3.50	150	ND(0.020)	0.53	170	0.030
BR-6/ZONE1	12/06/1999	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	0.21	ND(0.02)	ND(0.02)	0.52	ND(0.01)
BR-6/ZONE1	12/11/2000	ND(0.002)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0080	ND(0.002)	0.0070	0.58	ND(0.002)
BR-6/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0050	ND(0.002)	0.0060	0.300	ND(0.002)
BR-6/ZONE2	12/06/1999	ND(0.002)	0.003	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.003	0.029	ND(0.002)	0.0670	0.870	ND(0.002)
BR-6/ZONE2	12/11/2000	ND(0.002)	0.0030	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.027	ND(0.002)	0.016	0.66	0.0030
BR-6/ZONE2	11/26/2001	ND(0.002)	0.0030	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	0.10	0.180	ND(0.002)
BR-6/ZONE3	12/06/1999	ND(0.002)	0.003	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.016	ND(0.002)	0.049	0.47	0.006
BR-6/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0050	ND(0.002)	0.0030	0.28	ND(0.002)
BR-6/ZONE3	11/26/2001	ND(0.002)	0.0030	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	0.045	0.011	ND(0.002)
BR-7/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.025	ND(0.002)
BR-7/ZONE1	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.040	ND(0.002)
BR-7/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	0.021	0.890	0.015
BR-7/ZONE2	12/06/1999	ND(0.002)	0.012	0.014	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	1.2	ND(0.010)
BR-7/ZONE2	12/11/2000	ND(0.010)	0.010	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.020)	1.90	0.038
BR-7/ZONE3	12/06/1999	ND(0.002)	0.036	0.063	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.006	0.046	ND(0.002)	0.043	1.50	ND(0.010)
BR-7/ZONE3	12/11/2000	ND(0.010)	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	0.020	ND(0.020)	ND(0.020)	ND(0.002)	ND(0.002)
BR-8/ZONE1	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE1	08/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE1	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE2	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE2	08/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE2	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE3	08/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE3	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8/ZONE3	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)

Table 2

SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
BR-8-ZONE3	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8-ZONE3	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
BR-8-ZONE3	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-BR	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.025	0.004	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-BR	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.024	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-BR	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-BR	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.013	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-BR	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.017	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-DO	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-DO	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-DO	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-DO	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-S	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.016	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-S	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-S	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-S	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL01-S	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL02-BR	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.19	1.8D	ND(0.002)	ND(0.002)	0.14	0.002
CL02-BR	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.20	1.5	ND(0.002)	ND(0.002)	0.090	ND(0.010)
CL02-BR	10/09/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.23	1.9	ND(0.002)	ND(0.002)	0.14	ND(0.010)
CL02-BR	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.27	2.2	ND(0.002)	ND(0.002)	0.12	ND(0.010)
CL02-BR	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.15	1.1	ND(0.002)	ND(0.002)	0.11	ND(0.010)
CL02-DO	12/06/1999	ND(0.002)	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.35	2.7D	ND(0.002)	ND(0.002)	0.016	ND(0.002)
CL02-DO	06/05/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.22	1.4	ND(0.002)	ND(0.002)	0.010	ND(0.010)
CL02-DO	10/09/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.28	2.2	ND(0.002)	ND(0.002)	0.020	ND(0.010)
CL02-DO	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.40	2.5	ND(0.002)	ND(0.002)	0.030	ND(0.010)
CL02-DO	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.23	1.5	ND(0.002)	ND(0.002)	0.26	ND(0.010)
CL03-BR	12/06/1999	ND(0.1)	ND(0.1)	0.1	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	14	42	ND(0.2)	ND(0.2)	13	ND(0.1)
CL03-BR	09/08/2000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	11	40	ND(2.0)	ND(2.0)	11	ND(1.0)
CL03-BR	12/11/2000	ND(0.10)	ND(0.10)	0.10	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	7.9	29	ND(0.20)	ND(0.20)	9.6	ND(0.10)
CL03-BR	11/26/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	11	42D	ND(0.20)	ND(0.20)	11	ND(0.10)
CL03-DO	12/06/1999	ND(0.1)	ND(0.1)	0.1	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	9.5	30	ND(0.2)	ND(0.2)	10	ND(0.1)
CL03-DO	09/08/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	2.9	12	ND(0.20)	ND(0.20)	4.3	ND(0.10)
CL03-DO	12/11/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	1.2	10	ND(0.20)	ND(0.20)	5.0	ND(0.10)
CL03-DO	11/26/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	6.7	28D	ND(0.20)	ND(0.20)	8.6	ND(0.10)
CL03-S	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.002	0.005	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL03-S	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL03-S	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL04-BR	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.005	0.048	ND(0.002)	ND(0.002)	0.012	ND(0.002)
CL04-BR	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.39	0.40	ND(0.002)	ND(0.002)	0.012	ND(0.002)
CL04-BR	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.12	0.24	ND(0.002)	ND(0.002)	0.012	ND(0.002)
CL04-BR	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.037	0.18	ND(0.002)	ND(0.002)	0.023	ND(0.002)
CL04-DO	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.003	0.022	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL04-DO	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.2	0.91	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)

Table 2

SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cs-1,2-DCE	trans-1,2-DCE
CL08-S	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL08-S	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL08-S	01/10/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL09-BRZONE1	12/06/1999	ND(0.002)	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.015	0.018	ND(0.002)	ND(0.002)	0.54D	ND(0.002)
CL09-BRZONE1	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.1	1.8	ND(0.020)	ND(0.020)	0.59	ND(0.010)
CL09-BRZONE1	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.29	0.57	ND(0.020)	ND(0.020)	2.0D	ND(0.010)
CL09-BRZONE2	12/06/1999	ND(0.002)	ND(0.002)	0.005	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.44	0.57D	ND(0.002)	ND(0.002)	1.7D	0.002
CL09-BRZONE2	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.2	2.0	ND(0.020)	ND(0.020)	0.50	ND(0.010)
CL09-BRZONE2	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.33	0.48	ND(0.020)	0.22	0.75	ND(0.010)
CL09-BRZONE3	12/06/1999	ND(0.002)	ND(0.002)	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	1D	1.5D	ND(0.002)	ND(0.002)	1.9D	0.003
CL09-BRZONE3	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.67	1.0	ND(0.020)	ND(0.020)	2.4	ND(0.010)
CL09-BRZONE3	11/26/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.74	1.0	ND(0.020)	1.5	1.3	ND(0.010)
CL09-DO	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL09-DO	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL09-DO	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.40D	0.56D	ND(0.002)	ND(0.002)	0.031	ND(0.002)
CL09-S	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL09-S	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL09-S	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL10-BR	12/22/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.15	0.26	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
CL10-BR	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.056	0.10	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
CL10-BR	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.14	0.20	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
CL10-BR	10/09/2000	ND(0.002)	ND(0.002)	0.0010	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.20	0.31	ND(0.002)	ND(0.002)	0.018	ND(0.002)
CL10-BR	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.73	1.2	ND(0.020)	ND(0.020)	0.030	ND(0.010)
CL10-BR	06/04/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.070	0.11	ND(0.020)	ND(0.020)	0.35	ND(0.010)
CL10-BR	11/26/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	2.2	5.6	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
CL10-BR2	01/15/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL10-BR2	02/13/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
CL10-DO	12/22/1999	0.0020J	0.0030	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.37	1.1D	ND(0.002)	ND(0.002)	0.0080	ND(0.002)
CL10-DO	03/06/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.8	3.3	ND(0.020)	ND(0.020)	0.020	ND(0.010)
CL10-DO	06/05/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.6	2.9	ND(0.020)	ND(0.020)	0.020	ND(0.010)
CL10-DO	10/09/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	3.8	9.0	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
CL10-DO	12/11/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	4.9	7.7	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
CL10-DO	06/04/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	31E	72E	ND(0.20)	ND(0.20)	0.40	ND(0.10)
CL10-DO	11/26/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	7.5	7.4	ND(0.20)	ND(0.20)	0.10	ND(0.10)
CL10-S	12/22/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.085	0.11	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL10-S	03/06/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	2.3	0.67	ND(0.020)	ND(0.020)	0.080	ND(0.010)
CL10-S	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	1.4D	0.28	ND(0.002)	ND(0.002)	0.029	0.0040
CL10-S	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.098	0.11	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
CL10-S	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.091	0.11	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL10-S	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.68E	0.20	ND(0.002)	ND(0.002)	0.028	ND(0.002)
CL10-S	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.913	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL11-DO	12/22/1999	ND(0.002)	0.90D	0.46	0.012	ND(0.002)	ND(0.002)	ND(0.010)	0.0020	0.34	ND(0.002)	0.015J	0.010	ND(0.002)
CL11-DO	12/11/2000	0.0070	0.43	0.44	0.0070	ND(0.002)	ND(0.002)	ND(0.010)	0.0060	0.41	ND(0.002)	0.0050	0.0090	ND(0.002)
CL11-S	12/22/1999	0.046J	0.013	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.018	0.018	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL11-S	12/11/2000	0.036	0.013	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.019	0.020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)

Table 2

SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
CL13-BR	01/15/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-BR	02/13/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-BR	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-BR	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-DO	01/15/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-DO	02/13/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-DO	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-DO	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-S	01/15/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-S	02/13/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-S	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CL13-S	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
CULVERT_OUTF	11/10/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.017	0.079	ND(0.005)	ND(0.002)	0.051	ND(0.002)
CULVERT_OUTF	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.026	ND(0.002)	ND(0.002)	0.012	ND(0.002)
CULVERT_OUTF	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
CULVERT_OUTF	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0040	0.024	ND(0.002)	ND(0.002)	0.019	ND(0.002)
CULVERT_OUTF	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.012	0.079	ND(0.002)	ND(0.002)	0.055	ND(0.002)
GZ-1	12/06/1999	0.002	0.004	0.007	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.11	1.30	ND(0.002)	ND(0.002)	0.33	0.006
GZ-1	03/06/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.070	0.80	ND(0.020)	ND(0.020)	0.22	ND(0.010)
GZ-1	06/05/2000	ND(0.002)	0.0030	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.073	0.810	ND(0.002)	ND(0.002)	0.22	ND(0.002)
GZ-1	10/09/2000	ND(0.002)	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.052	0.600	ND(0.002)	ND(0.002)	0.20	0.0020
GZ-1	12/11/2000	0.0040	0.0020	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.088	0.670	ND(0.002)	ND(0.002)	0.20	ND(0.002)
GZ-1	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.029	0.380	ND(0.002)	ND(0.002)	0.11	ND(0.002)
GZ-1	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.011	0.067	ND(0.002)	ND(0.002)	0.020	ND(0.002)
GZ-2	12/06/1999	ND(0.002)	0.004	0.005	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.089	0.34	ND(0.002)	ND(0.002)	0.095	ND(0.002)
GZ-2	03/06/2000	ND(0.002)	0.0030	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.062	0.33	ND(0.002)	ND(0.002)	0.093	ND(0.002)
GZ-2	06/05/2000	ND(0.002)	0.0020	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.043	0.21	ND(0.002)	ND(0.002)	0.058	ND(0.002)
GZ-2	10/09/2000	ND(0.002)	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.041	0.22	ND(0.002)	ND(0.002)	0.059	ND(0.002)
GZ-2	12/11/2000	ND(0.002)	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.024	0.17	ND(0.002)	ND(0.002)	0.082	ND(0.002)
GZ-2	06/04/2001	ND(0.002)	0.0020	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.041	0.260	ND(0.002)	ND(0.002)	0.075	ND(0.002)
GZ-2	11/26/2001	ND(0.002)	0.0020	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.049	0.610	ND(0.002)	ND(0.002)	0.13	0.013
GZ-3	12/06/1999	ND(0.002)	0.002	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.027	0.096	ND(0.002)	ND(0.002)	0.016	ND(0.002)
GZ-3	03/06/2000	ND(0.002)	0.0030	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.020	0.097	ND(0.002)	ND(0.002)	0.015	ND(0.002)
GZ-3	06/05/2000	ND(0.002)	0.0040	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.038	0.19	ND(0.002)	ND(0.002)	0.039	ND(0.002)
GZ-3	10/09/2000	ND(0.002)	0.0060	0.0070	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.040	0.22	ND(0.002)	ND(0.002)	0.041	ND(0.002)
GZ-3	12/11/2000	ND(0.002)	0.0050	0.0080	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.040	0.17	ND(0.002)	ND(0.002)	0.036	ND(0.002)
GZ-3	06/04/2001	ND(0.002)	0.0040	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.040	0.19	ND(0.002)	ND(0.002)	0.040	ND(0.002)
GZ-3	11/26/2001	0.0020	0.0070	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.067	0.360	ND(0.002)	ND(0.002)	0.051	0.0050
GZ-4	12/06/1999	0.007	0.012	0.021	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.17	0.880	ND(0.002)	ND(0.002)	0.22	0.004
GZ-4	03/06/2000	ND(0.010)	0.010	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.18	0.88	ND(0.020)	ND(0.020)	0.25	ND(0.010)
GZ-4	06/05/2000	0.0050	0.0090	0.011	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.12	0.630	ND(0.002)	ND(0.002)	0.29	ND(0.002)
GZ-4	10/09/2000	0.0020	0.0070	0.0060	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.062	0.42	ND(0.002)	ND(0.002)	0.19	ND(0.002)
GZ-4	12/11/2000	0.0040	0.0080	0.012	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.095	0.48	ND(0.002)	ND(0.002)	0.19	ND(0.002)
GZ-4	06/04/2001	0.0040	0.0080	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.089	0.520	ND(0.002)	ND(0.002)	0.240	ND(0.002)
GZ-4	11/26/2001	0.0030	0.0070	0.0060	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.092	1.00	ND(0.002)	ND(0.002)	0.14	ND(0.002)

Table 2
SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohier Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	Cis-1,2-DCE	trans-1,2-DCE
HA-03	12/08/1999	0.002	0.006	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.01	ND(0.002)	0.006	0.053	ND(0.002)
HA-03	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	0.022	ND(0.002)
HA-03	12/11/2000	0.0050	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.017	0.10	ND(0.002)	ND(0.002)	0.024	ND(0.002)
HA-03	06/04/2001	ND(0.002)	0.0020	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
HA-03	11/26/2001	ND(0.002)	0.0030	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.020	ND(0.002)	0.010	0.011	0.0020
HA-03	12/22/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.0050	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-001DO	09/06/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	2.1	7.9	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
MW-001DO	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-001DO	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-001DO	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.044	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-001DO	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.036	0.12	ND(0.002)	ND(0.002)	0.030	ND(0.002)
MW-002	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-002R	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-002R	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-002R	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.013	0.044	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-002R	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0030	0.0060	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-003	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-003	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.011	ND(0.010)	ND(0.002)	0.004	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-003R	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.0040	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-003R	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.043	0.39	ND(0.002)	ND(0.002)	0.012	ND(0.002)
MW-004	12/08/1999	0.16	0.005	0.013	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.80	0.43	ND(0.002)	0.025	0.630	0.004
MW-005	03/06/2000	0.040	0.010	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.020	0.060	ND(0.020)	0.39	2.1	ND(0.010)
MW-005	06/05/2000	0.21	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.59	0.41	ND(0.020)	ND(0.020)	0.35	ND(0.010)
MW-005	10/09/2000	0.24	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.70	0.67	ND(0.020)	ND(0.020)	0.59	0.010
MW-005	12/11/2000	0.31	ND(0.010)	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.70	0.90	ND(0.020)	ND(0.020)	0.49	ND(0.010)
MW-005	06/04/2001	0.38	ND(0.010)	0.010	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.93	1.1	ND(0.020)	0.030	0.45	ND(0.010)
MW-005	11/26/2001	0.068	0.0060	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.700	0.690	ND(0.002)	0.034	0.840	0.0030
MW-005R	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.015	0.031	ND(0.002)	ND(0.002)	0.018	ND(0.002)
MW-005R	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.014	0.029	ND(0.002)	ND(0.002)	0.015	ND(0.002)
MW-005R	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.032	0.062	ND(0.002)	ND(0.002)	0.027	ND(0.002)
MW-006R	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.004	0.007	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-006R	12/08/1999	0.008	0.004	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.003	0.004	ND(0.002)	0.430	0.50	0.004
MW-008	03/06/2000	0.500	0.0070	0.026	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	1.20	0.900	ND(0.002)	0.016	0.600	0.0040
MW-008	06/05/2000	0.0060	0.0060	0.0060	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0040	0.0080	ND(0.002)	0.20	0.720	0.0050
MW-008	10/09/2000	0.0050	0.0030	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.013	0.032	ND(0.002)	0.092	0.36	0.0020
MW-008	12/11/2000	0.13	0.010	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.19	0.40	ND(0.020)	0.12	2.2	ND(0.010)
MW-008	06/04/2001	0.14	0.011	0.084	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.048	0.095	ND(0.002)	0.91E	3.5E	0.055
MW-008	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0090	0.0060	ND(0.002)	0.045	0.0080	ND(0.002)
MW-008A	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.21	0.057	ND(0.002)	ND(0.002)	0.043	ND(0.002)
MW-008A	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.096	0.047	ND(0.002)	0.0020	0.076	ND(0.002)
MW-008A	11/26/2001	ND(0.002)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	2.20	0.500	ND(0.002)	0.016	0.300	ND(0.002)
MW-010	12/08/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-011	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-012	03/28/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)

Table 2 SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichloroethene	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
MW-012	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-013	12/06/1999	0.05	ND(0.01)	0.01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	260	150	ND(0.02)	ND(0.02)	0.53	ND(0.01)
MW-013	09/07/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	11	6.7	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
MW-013	10/09/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	6.6	4.9	ND(0.20)	ND(0.20)	0.20	ND(0.10)
MW-013	12/11/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	5.2	4.6	ND(0.20)	ND(0.20)	0.20	ND(0.10)
MW-013	04/03/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	7.8	3.3	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
MW-013	08/04/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	51E	30E	ND(0.20)	ND(0.20)	0.20	ND(0.10)
MW-013	11/26/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	45D	21D	ND(0.20)	ND(0.20)	0.20	ND(0.10)
MW-014A	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.008	0.54D	ND(0.002)	ND(0.002)	0.008	ND(0.002)
MW-014A	09/06/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	5.3	21	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
MW-014A	10/09/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	0.44	ND(0.020)	ND(0.020)	0.030	ND(0.010)
MW-014A	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0020	0.19	ND(0.002)	ND(0.002)	0.0090	ND(0.002)
MW-014A	04/03/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.030	0.78	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
MW-014A	08/04/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	0.84	ND(0.020)	ND(0.020)	0.010	ND(0.010)
MW-014A	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	1.20	ND(0.002)	ND(0.002)	0.012	ND(0.002)
MW-016	12/06/1999	0.014	0.008	0.005	ND(0.002)	0.004	ND(0.002)	ND(0.01)	0.008	0.029	ND(0.002)	ND(0.002)	0.16	ND(0.002)
MW-016	12/11/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.070	1.9	ND(0.020)	ND(0.020)	0.28	ND(0.010)
MW-034	12/06/1999	ND(0.002)	0.02	0.027	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.097	0.76D	ND(0.002)	ND(0.002)	1.3D	0.005
MW-034	05/05/2000	ND(0.010)	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.070	0.62	ND(0.020)	ND(0.020)	0.97	0.12
MW-034	12/11/2000	ND(0.010)	0.010	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.050	0.52	ND(0.020)	ND(0.020)	1.0	ND(0.010)
MW-034	11/26/2001	ND(0.010)	0.030	0.050	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.070	0.74	ND(0.020)	ND(0.020)	1.8	ND(0.010)
MW-035	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-035	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-036	08/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0050	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-036	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0080	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-103	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-104R	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.003	0.009	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-104R	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.0040	0.016	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-104R	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.0030	0.0070	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-104R	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.0030	0.0090	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-104R	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.011	0.018	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-105R	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.006	0.01	ND(0.002)	ND(0.002)	0.009	ND(0.002)
MW-105R	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-105R	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.0030	0.0060	ND(0.002)	ND(0.002)	0.0080	ND(0.002)
P-04	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-04	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-04	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-04	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-05	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-05	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-05	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-05	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-06	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-06	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-07	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)

Table 2 SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
P-08	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.034	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-08	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.030	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-08	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-09	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	0.06	0.13	ND(0.002)
P-09	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	0.015	0.041	ND(0.002)
P-09	01/11/2002	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	0.078	0.35D	0.003
P-10	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-10	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-10	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-10	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	0.003	ND(0.002)
P-11	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-11	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-12	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-12	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-12	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-13	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-13	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-13	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-13	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-14	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-14	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-14	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-15	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-15	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-15	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.0030	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-18	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.004	0.012	ND(0.002)	ND(0.002)	0.03	ND(0.002)
P-18	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
P-18	06/05/2000	ND(0.002)	ND(0.002)	0.0010	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	0.16	0.23	0.0030
P-18	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.011	ND(0.002)	ND(0.002)	0.023	ND(0.002)
P-18	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
P-18	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.20	ND(0.002)
P-18	01/11/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.003	0.015	ND(0.002)	ND(0.002)	0.038	ND(0.002)
P-18	12/06/1999	ND(0.002)	0.003	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.005	0.016	ND(0.002)	ND(0.002)	0.23	ND(0.002)
P-19	03/06/2000	ND(0.002)	0.0030	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0040	0.021	ND(0.002)	ND(0.002)	0.26	0.0030
P-19A	01/10/2002	ND(0.002)	0.002	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.005	0.022	ND(0.002)	0.002	0.27D	0.005
P-20	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.005	0.032	ND(0.002)	ND(0.002)	0.007	ND(0.002)
P-20	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-20	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-20	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	0.0070	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-20	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-20	06/04/2001	ND(0.002)	0.010	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.034	0.41D	ND(0.002)	ND(0.002)	0.12	ND(0.002)

Table 2
SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
P-20	01/11/2002	ND(0.002)	0.003	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.013	0.11	ND(0.002)	ND(0.002)	0.028	ND(0.002)
P-21	12/06/1999	ND(0.002)	0.003	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.004	0.011	ND(0.002)	ND(0.002)	0.19	ND(0.002)
P-21	03/06/2000	ND(0.002)	ND(0.002)	0.0010	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0020	0.0080	ND(0.002)	ND(0.002)	0.099	ND(0.002)
P-21	06/05/2000	ND(0.002)	0.0040	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0080	ND(0.002)	ND(0.002)	0.27	0.0060
P-21	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0090	ND(0.002)	ND(0.002)	0.044	ND(0.002)
P-21	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0050	ND(0.002)	ND(0.002)	0.063	ND(0.002)
P-21	06/04/2001	ND(0.002)	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0080	ND(0.002)	ND(0.002)	0.18	ND(0.002)
P-21	01/10/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.005	ND(0.002)	ND(0.002)	0.021	ND(0.002)
P-22	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-23	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	ND(0.002)
P-23	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0050	ND(0.002)
P-23	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.012	ND(0.002)
P-23	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.017	ND(0.002)
P-23	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0060	ND(0.002)
P-23	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
P-23	01/10/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	03/06/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	10/09/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	01/10/2002	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
P-24	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.005	ND(0.002)	ND(0.002)	0.002	ND(0.002)
PLMW-2	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.010	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
PLMW-2	12/06/1999	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	3.4	1.3	ND(0.02)	ND(0.02)	0.2	ND(0.01)
RW-01/MW-18	03/06/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	1.8	0.84	ND(0.020)	ND(0.020)	0.15	ND(0.010)
RW-01/MW-18	06/05/2000	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	1.7	1.0	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
RW-01/MW-18	10/09/2000	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	5.9	2.9	ND(0.020)	ND(0.020)	0.59	ND(0.010)
RW-01/MW-18	06/04/2001	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	13	2.2	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
RW-01/MW-18	11/28/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	4.10	2.70	ND(0.020)	ND(0.020)	0.32	ND(0.010)
RW-02	12/06/1999	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	41	140	ND(0.02)	ND(0.02)	1	ND(0.01)
RW-02	03/06/2000	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	63	260	ND(0.02)	ND(0.02)	1.0	ND(0.01)
RW-02	03/06/2000	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	63	260	ND(0.02)	ND(0.02)	1.0	ND(0.01)
RW-02	06/05/2000	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	68	310	ND(0.020)	ND(0.020)	1.0	ND(0.010)
RW-02	10/09/2000	0.71	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.30	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
RW-02	01/09/2001	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.050)	2.7	0.60	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.010)
RW-02	04/03/2001	0.32	ND(0.010)	0.020	ND(0.010)	ND(0.010)	0.040	ND(0.020)	680	620	ND(0.020)	ND(0.020)	0.17	ND(0.010)
RW-02	06/04/2001	0.10	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	4.5	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.010)
RW-02	11/25/2001	0.40	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.20	ND(0.020)	920	1600	ND(0.020)	ND(0.020)	0.10	ND(0.010)
RW-03	12/06/1999	1.6	0.2	0.2	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	31	24	ND(0.02)	ND(0.02)	3.6	ND(0.01)
RW-03	03/06/2000	0.70	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	48	49	ND(0.020)	ND(0.020)	4.9	ND(0.010)
RW-03	06/05/2000	0.40	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	19	23	ND(0.020)	ND(0.020)	2.6	ND(0.010)
RW-03	06/04/2001	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	43	61	ND(0.020)	ND(0.020)	5.0	ND(0.010)
RW-03	11/26/2001	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.020)	38	56	ND(0.020)	ND(0.020)	6.0	ND(0.010)

Table 2
SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohier Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
RW-04	12/06/1999	3	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	130	220	ND(0.20)	ND(0.20)	4	ND(0.10)
RW-04	03/06/2000	3.0	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	99	240	ND(0.20)	ND(0.20)	5.0	ND(0.10)
RW-04	06/05/2000	6.0	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	94	250	ND(0.20)	ND(0.20)	4.0	ND(0.10)
RW-04	12/28/2000	2.5	0.10	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	150DL	200DL	ND(0.20)	ND(0.20)	3.3	ND(0.10)
RW-04	06/04/2001	6.0	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	120	290	ND(0.20)	ND(0.20)	6.0	ND(0.10)
RW-04	11/28/2001	6.0	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	120	290DL	ND(0.20)	ND(0.20)	5.0	ND(0.10)
RW-05	12/06/1999	1.7	ND(0.10)	0.1	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	2.3	2.2	ND(0.20)	0.3	2.4	ND(0.10)
RW-05	03/06/2000	0.95	0.070	0.070	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.52	1.2	ND(0.020)	0.18	2.0	ND(0.010)
RW-05	06/05/2000	0.30	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	1.9	3.6	ND(0.20)	ND(0.20)	1.3	ND(0.10)
RW-05	12/28/2000	8.2DL	0.040	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	4.1	7.6DL	ND(0.020)	ND(0.020)	2.1	ND(0.010)
RW-05	06/04/2001	1.2	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	1.9	4.9	ND(0.20)	0.60	6.1	ND(0.10)
RW-05	11/28/2001	0.040	0.040	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.10	0.37	ND(0.020)	0.25	0.82	ND(0.010)
RW-17/MW-17	12/06/1999	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	11	28	ND(0.20)	ND(0.20)	1	ND(0.10)
RW-17/MW-17	03/06/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	8.7	29	ND(0.20)	ND(0.20)	0.90	ND(0.10)
RW-17/MW-17	06/05/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	6.5	24	ND(0.20)	ND(0.20)	0.90	ND(0.10)
RW-17/MW-17	12/28/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	17	16	ND(0.20)	ND(0.20)	4.0	ND(0.10)
RW-17/MW-17	06/04/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	9.0	34	ND(0.20)	ND(0.20)	1.3	ND(0.10)
RW-17/MW-17	11/28/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	6.6	300	ND(0.20)	ND(0.20)	1.0	ND(0.10)
RW-18	07/14/2000	ND(0.020)	0.0020	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.25	0.900	ND(0.002)	0.0020	0.24	0.0020
RW-19	07/14/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	12	46	ND(0.20)	ND(0.20)	13	0.20
RW-22	08/09/2000	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	0.20	0.50	ND(0.20)	ND(0.20)	5.2	ND(0.10)
RW-22	10/09/2000	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.19	1.0	ND(0.020)	0.19	3.9	0.010
RW-22	12/11/2000	ND(0.002)	ND(0.002)	0.0010	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.052	0.32	ND(0.002)	0.017	0.34	0.0030
RW-22	04/03/2001	ND(0.010)	ND(0.010)	0.020	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.97	5.80	ND(0.020)	0.32	4.2	0.020
RW-22	06/04/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	0.70	4.6	ND(0.20)	0.30	4.3	ND(0.10)
RW-22	11/28/2001	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)	0.60	2.9	ND(0.20)	ND(0.20)	3.9	ND(0.10)
STR-01	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-01	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-01	11/28/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-02	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002	ND(0.002)
STR-02	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	0.0080	ND(0.002)
STR-03	12/06/1999	0.008	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.019	0.076	ND(0.002)	ND(0.002)	0.021	ND(0.002)
STR-03	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STR-03	11/28/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-04	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.006	ND(0.002)	ND(0.002)	0.004	ND(0.002)
STR-04	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
STR-04	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	0.0070	ND(0.002)
STR-04	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-04	11/28/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-05	12/06/1999	0.009	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	0.021	0.083	ND(0.002)	ND(0.002)	0.023	ND(0.002)
STR-05	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-05	12/11/2000	0.0050	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.017	0.10	ND(0.002)	ND(0.002)	0.025	ND(0.002)
STR-11	11/10/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.012	ND(0.002)	ND(0.002)	0.013	ND(0.002)
STR-11	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	0.007	ND(0.002)
STR-11	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0030	ND(0.002)

Table 2
SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	dis-1,2-DCE	trans-1,2-DCE
STR-11	06/04/2001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0070	ND(0.002)	ND(0.002)	0.015	ND(0.002)
STR-11	11/26/2001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0050	0.017	ND(0.002)	0.0040	0.033	ND(0.002)
STR-12	12/06/1999	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-13	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-14	11/10/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0070	ND(0.005)	ND(0.002)	0.010	ND(0.002)
STR-15	11/10/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0050	ND(0.005)	ND(0.002)	0.0070	ND(0.002)
STR-15	12/06/1999	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	0.005	ND(0.002)
STR-16	11/10/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.002)	0.0030	ND(0.002)
STR-16	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	ND(0.002)
STR-16	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-16	12/11/2000	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STR-16	06/04/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.035	ND(0.005)	ND(0.002)	0.024	ND(0.002)
STR-17	11/10/1999	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.031	ND(0.002)	ND(0.002)	0.024	ND(0.002)
STR-17	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	0.007	0.076	ND(0.002)	ND(0.002)	0.047	ND(0.002)
STR-17	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STR-17	12/11/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STR-17	06/04/2001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.039	ND(0.002)	ND(0.002)	0.028	ND(0.002)
STR-17	11/26/2001	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.012	0.076	ND(0.002)	ND(0.002)	0.047	ND(0.002)
STRHA-03	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STRHA-03	06/05/2000	0.0020	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.027	ND(0.002)	ND(0.002)	0.013	ND(0.002)
STRHA-03	12/11/2000	0.0050	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.014	0.084	ND(0.002)	ND(0.002)	0.022	ND(0.002)
STRHA-03	06/04/2001	0.0050	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.013	0.053	ND(0.002)	ND(0.002)	0.016	ND(0.002)
STRHA-03	11/26/2001	0.0080	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.022	0.060	ND(0.002)	ND(0.002)	0.028	ND(0.002)
STRHA-04	12/06/1999	0.007	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.011)	0.014	0.059	ND(0.002)	ND(0.002)	0.016	ND(0.002)
STRHA-04	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.0060	0.023	ND(0.002)	ND(0.002)	0.011	ND(0.002)
STRHA-04	12/11/2000	0.0050	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.014	0.092	ND(0.002)	ND(0.002)	0.025	ND(0.002)
STRHA-05	12/06/1999	0.003	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	0.007	0.026	ND(0.002)	ND(0.002)	0.008	ND(0.002)
STRHA-05	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0080	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STRHA-05	12/11/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.010	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
STRHA-05	06/04/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.0040	0.020	ND(0.002)	ND(0.002)	0.0060	ND(0.002)
STRHA-07A	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	0.005	0.024	ND(0.002)	ND(0.002)	0.017	ND(0.002)
STRHA-07A	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0090	ND(0.002)	ND(0.002)	0.0060	ND(0.002)
STRHA-07A	12/11/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STRHA-07A	06/04/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.039	ND(0.002)	ND(0.002)	0.028	ND(0.002)
STRHA-07A	11/26/2001	ND(0.002)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.012	0.071	ND(0.002)	ND(0.002)	0.057	ND(0.002)
STRHA-07A	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	0.002	0.009	ND(0.002)	ND(0.002)	0.003	ND(0.002)
STRHA-07B	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0060	ND(0.002)	ND(0.002)	0.0030	ND(0.002)
STRHA-07B	12/11/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STRHA-07B	06/04/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STRHA-07B	11/26/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
STRHA-08	12/06/1999	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.011)	ND(0.002)	0.007	ND(0.002)	ND(0.002)	0.005	ND(0.002)
STRHA-08	06/05/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
STRHA-08	12/11/2000	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0070	ND(0.002)	ND(0.002)	0.0040	ND(0.002)
STRHA-08	06/04/2001	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0070	ND(0.002)	ND(0.002)	0.0060	ND(0.002)

Table 2

SUMMARY OF WATER QUALITY RESULTS

Varian Medical Systems, Inc.
Former 150 Sohier Road Facility
Beverly, Massachusetts

Site ID	Date	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	Chlorobenzene	Chloroform	Chloromethane	PCE	TCE	Trichlorofluoromethane	Vinyl chloride	cis-1,2-DCE	trans-1,2-DCE
STRHA-08	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0070	ND(0.002)	ND(0.002)	0.0050	ND(0.002)
STRHA-09	12/06/1999	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.004	ND(0.002)	ND(0.002)	0.003	ND(0.002)
STRHA-09	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
STRHA-09	12/11/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0040	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
STRHA-09	06/04/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
STRHA-09	11/26/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0030	ND(0.002)	ND(0.002)	0.0020	ND(0.002)
STRMH-01	12/06/1999	0.013	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.021	0.09	ND(0.002)	ND(0.002)	0.027	ND(0.002)
STRMH-01	12/11/2000	0.0050	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.017	0.098	ND(0.002)	ND(0.002)	0.025	ND(0.002)
STRMH-02	12/06/1999	0.009	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.021	0.085	ND(0.002)	ND(0.002)	0.023	ND(0.002)
STRMH-02	12/11/2000	0.0060	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.018	0.11	ND(0.002)	ND(0.002)	0.027	ND(0.002)
TMW-01	01/20/2000	0.019	0.030	0.022	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.032	0.88	ND(0.002)	0.0050	0.13	0.0020
TMW-01	03/28/2000	0.012	0.019	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0020	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
TMW-01	06/05/2000	0.014	0.025	0.0090	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.012	0.30	ND(0.002)	0.0030	0.044	ND(0.002)
TMW-02	01/20/2000	0.042	0.035	0.011	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.067	0.47	ND(0.002)	0.017	0.094	0.0020
TMW-02	03/28/2000	0.020	0.030	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.060	0.58	ND(0.020)	0.020	0.11	ND(0.010)
TMW-02	06/05/2000	0.11	0.051	0.014	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.11	0.46	ND(0.002)	0.034	0.11	ND(0.002)
W-1	12/06/1999	0.019	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.02	0.077	ND(0.002)	ND(0.002)	0.028	ND(0.002)
W-1	12/11/2000	0.0030	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0070	0.080	ND(0.002)	ND(0.002)	0.017	ND(0.002)
W-1	11/26/2001	0.027	0.0020	0.0030	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.039	0.083	ND(0.002)	0.0020	0.089	ND(0.002)
W-3	12/06/1999	0.005	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.01	0.04	ND(0.002)	ND(0.002)	0.015	ND(0.002)
W-3	06/05/2000	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.0070	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
W-3	12/11/2000	0.0040	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.012	0.073	ND(0.002)	ND(0.002)	0.017	ND(0.002)
W-3	06/04/2001	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	0.0030	0.018	ND(0.002)	0.0070	0.028	0.0020
W-3	11/26/2001	ND(0.002)	0.0030	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.010)	ND(0.002)	0.010	ND(0.002)	ND(0.002)	0.024	ND(0.002)

Table 2 Notes

The first quarter sampling event was conducted on April 3, 2001.

For the purpose of this table, April 3, 2001 is used as the reference date for the first quarter sampling event.

The semi-annual sampling event was initiated on June 4, 2001 and completed on June 7, 2001.

For the purpose of this table, June 4, 2001 is used as the reference date for the semi-annual sampling event.

The annual sampling event was initiated on November 26, 2001 and completed on November 30, 2001.

For the purpose of this table, November 26, 2001 is used as the reference date for the annual sampling event.

Analytical results are reported by the laboratory in micrograms per liter (ug/l). Results are presented in Table 2 as values in milligrams per liter (mg/l) without changing the number of significant figures reported by the laboratory.

Refer to the note page of Table 1 for monitoring point locations.

CULVERT_OUTFAL sample collected from the water discharge of a culvert located at 39 Tozer Road before it enters Stream A.

Bedrock wells BR-1 through BR-8, CL8-BR and CL9-BR each have a multilevel groundwater monitoring system present within the bedrock portion of the well. Zone 1 refers to the deepest sample interval, Zone 2 refers to the middle sampling zone and Zone 3 refers to the sampling zone closest to the ground surface.

Well MW-14A is a co-located replacement well for obstructed well MW-14. MW-14A was installed on 5/7/98 and MW-14 was abandoned.

1,1,2-Trichloroethane, 1,2-dichloropropane, carbon tetrachloride, and dichloromethane, compounds which have been detected but are not included on the table.

Corrections to Table 2 made for third quarter, June 1999

6/14/99 - The 'D' qualifier for the result for cis-1,2-Dichloroethane for location BR-7/ZONE2 was incorrectly applied to the result for location BR-7/ZONE1. The qualifier has been corrected and deleted from BR-7/ZONE1 and applied to BR-7/ZONE2.

TR	Trace amount present but below the Practical Quantitative Limit
NS	Not Sampled
ND	None Detected
NR	Not Reported
J	Indicates the compound was detected in the sample but at levels below the detection limit. Levels are considered estimates.
D	Indicates that the result is reported from a secondary dilution.
E	Indicates that the result was beyond the calibration range of the instrument.
7/14/97	The sample collected from sample location STRHA-9 was mis-labeled as STR-9 on the chain-of-custody for this date.
4/27/98	The groundwater sample collected from sample location HA-10 was mis-labeled as STRHA-10 on the chain-of-custody for this date. The sample collected from the stream location STRHA-10 was mis-labeled as STR-10.
12/6/99	The labels for groundwater sample BR-1/ZONE1, which has been historically impacted, and field blank BR-1/ZONE1 BL appear to have been switched. The concentrations reported for the blank are similar to historical concentrations reported for BR-1/ZONE1.

STR-6

Sampling location is usually dry. Location has not been surveyed. Water present from this outfall is directly related to rain events. The location was sampled on 11/10/97 but will not be sampled in the future.

Table 3
SUMMARY OF CONSTITUENTS DETECTED
at Shallow Overburden Monitoring Locations

November 2001 Results

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Constituent	Units	** Freq. of Detect.	% of Detect.	Minimum Concentration		Maximum Concentration	
				Conc.	Well ID	Conc.	Well ID
1,1,1-Trichloroethane	mg/l	5/18	28%	0.002	GZ-3	0.66	B-3
1,1-Dichloroethane	mg/l	7/18	39%	0.002	GZ-2	0.007	GZ-3
1,1-Dichloroethene	mg/l	5/18	28%	0.002	MW-009A	0.006	GZ-4
Tetrachloroethene	mg/l	11/18	61%	0.009	MW-008	2.2D	MW-009A
Total Volatile Organics	mg/l	14/18	78%	0.004	CL03-S	3.0D	MW-009A
Trichloroethene	mg/l	13/18	72%	0.004	CL03-S	1.0D	GZ-4
Vinyl chloride	mg/l	6/18	33%	0.002	W-1	0.045	MW-008
cis-1,2-Dichloroethene	mg/l	11/18	61%	0.008	MW-008	0.84D	MW-005
trans-1,2-Dichloroethene	mg/l	4/18	22%	0.002	HA-03	0.013	GZ-2

NOTES:

** Frequency of detection indicates the number of samples in which a constituent was detected over the number of samples tested for the constituent.

D= Indicates that the result is reported from a secondary dilution.

Table 4
SUMMARY OF CONSTITUENTS DETECTED
at Deep Overburden Monitoring Locations

November 2001 Results

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Constituent	Units	** Freq. of Detect.	% of Detect.	Minimum Concentration		Maximum Concentration	
				Conc.	Well ID	Conc.	Well ID
1,1,1-Trichloroethane	mg/l	5/21	24%	0.040	RW-05	6.0	RW-04
1,1,2-Trichloroethane	mg/l	1/21	5%	0.040	AP-02	0.040	AP-02
1,1-Dichloroethane	mg/l	4/21	19%	0.0040	CL04-DO	0.040	RW-05
1,1-Dichloroethene	mg/l	2/21	10%	0.020	RW-05	0.050	MW-034
Carbon tetrachloride	mg/l	2/21	10%	0.10	RW-02	0.66	AP-02
Chloroform	mg/l	2/21	10%	0.20	RW-02	0.50	AP-02
Tetrachloroethene	mg/l	14/21	67%	0.0030	MW-105R	120	RW-04
Trichloroethene	mg/l	16/21	76%	0.0050	CL08-DO	290D	RW-04
Vinyl chloride	mg/l	3/21	14%	0.0050	CL04-DO	0.25	RW-05
cis-1,2-Dichloroethene	mg/l	15/21	71%	0.0080	MW-105R	8.6	CL03-DO

NOTES:

** Frequency of detection indicates the number of samples in which a constituent was detected over the number of samples tested for the constituent.

D= Indicates that the result is reported from a secondary dilution.

Table 5
SUMMARY OF CONSTITUENTS DETECTED
at Bedrock Monitoring Locations

November 2001 Results

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Constituent	Units	** Freq. of Detect.	% of Detect.	Minimum Concentration		Maximum Concentration	
				Conc.	Well ID	Conc.	Well ID
1,1-Dichloroethane	mg/l	3/36	8%	0.003	BR-6/ZONE2	0.06	BR-5/ZONE3
1,1-Dichloroethene	mg/l	3/36	8%	0.003	BR-5/ZONE1	0.14	BR-5/ZONE3
Tetrachloroethene	mg/l	18/36	50%	0.014	BR-5/ZONE1	11.0	CL03-BR
Trichloroethene	mg/l	19/36	53%	0.004	BR-6/ZONE2	42.0D	CL03-BR
Vinyl chloride	mg/l	9/36	25%	0.006	BR-6/ZONE1	1.6	CL09-BR/ZONE3
cis-1,2-Dichloroethene	mg/l	20/36	56%	0.011	BR-6/ZONE3	17.0D	BR-5/ZONE3
trans-1,2-Dichloroethene	mg/l	2/36	6%	0.004	BR-1/ZONE2	0.03	BR-5/ZONE3

NOTES:

** Frequency of detection indicates the number of samples in which a constituent was detected over the number of samples tested for the constituent.

D= Indicates that the result is reported from a secondary dilution.

Table 6
SUMMARY OF CONSTITUENTS DETECTED
at Surface Water Monitoring Locations

November 2001 Results

Varian Medical Systems, Inc.
Former 150 Sohler Road Facility
Beverly, Massachusetts

Constituent	Units	** Freq. of Detect.	% of Detect.	Minimum Concentration		Maximum Concentration	
				Conc.	Well ID	Conc.	Well ID
1,1,1-Trichloroethane	mg/l	1/12	8%	0.008	STRHA-03	0.008	STRHA-03
1,1-Dichloroethane	mg/l	2/12	17%	0.002	CULVERT_OUTFALL	0.002	CULVERT_OUTFALL
1,1-Dichloroethene	mg/l	3/12	25%	0.002	CULVERT_OUTFALL	0.002	CULVERT_OUTFALL
Tetrachloroethene	mg/l	5/12	42%	0.005	STR-11	0.022	STRHA-03
Trichloroethene	mg/l	7/12	58%	0.003	STRHA-09	0.079	CULVERT_OUTFALL
Vinyl chloride	mg/l	1/12	8%	0.004	STR-11	0.004	STR-11
cis-1,2-Dichloroethene	mg/l	6/12	50%	0.005	STRHA-08	0.057	STRHA-07A

NOTES:

** Frequency of detection indicates the number of samples in which a constituent was detected over the number of samples tested for the constituent.

D= Indicates that the result is reported from a secondary dilution.

TABLE 7
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS

VARIAN MEDICAL SYSTEMS, INC.
150 SOHIER ROAD
BEVERLY, MASSACHUSETTS

Date Sampled: July 18, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(100)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	3,800	ND(2)	ND(2)	70
1,1,1-Trichloroethane	1,000	ND(2)	ND(2)	200
Trichloroethene	30,000	12	ND(2)	5
Tetrachloroethene	17,000	3	ND(2)	5
Chloroform	ND(200)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(200)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(200)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(200)	ND(2)	ND(2)	5
Methylene Chloride	ND(500)	ND(5)	ND(5)	NA
Acetone	ND(5,000)	ND(50)	ND(50)	3,000

Date Sampled: August 15, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(1,000)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	2,000	ND(2)	ND(2)	70
1,1,1-Trichloroethane	ND(2,000)	ND(2)	ND(2)	200
Trichloroethene	39,000	21	ND(2)	5
Tetrachloroethene	18,000	6	ND(2)	5
Chloroform	ND(2,000)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(2,000)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(2,000)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(2,000)	ND(2)	ND(2)	5
Methylene Chloride	ND(5,000)	ND(5)	ND(5)	NA
Acetone	ND(50,000)	ND(50)	ND(50)	3,000

Date Sampled: September 17, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(100)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	2,900	2	ND(2)	70
1,1,1-Trichloroethane	600	ND(2)	ND(2)	200
Trichloroethene	40,000	20	ND(2)	5
Tetrachloroethene	18,000	5	ND(2)	5
Chloroform	ND(200)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(200)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(200)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(200)	ND(2)	ND(2)	5
Methylene Chloride	ND(500)	ND(5)	ND(5)	NA
Acetone	ND(5,000)	60	ND(50)	3,000

Date Sampled: October 17, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(100)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	1,500	ND(2)	ND(2)	70
1,1,1-Trichloroethane	600	ND(2)	ND(2)	200
Trichloroethene	19,000	2	ND(2)	5
Tetrachloroethene	11,000	ND(2)	ND(2)	5
Chloroform	ND(200)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(200)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(200)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(200)	ND(2)	ND(2)	5
Methylene Chloride	ND(500)	ND(5)	ND(5)	NA
Acetone	ND(5,000)	ND(50)	ND(50)	3,000

Date Sampled: November 14, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(1,000)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	3,000	ND(2)	ND(2)	70
1,1,1-Trichloroethane	ND(2,000)	ND(2)	ND(2)	200
Trichloroethene	55,000	2	ND(2)	5
Tetrachloroethene	21,000	ND(2)	ND(2)	5
Chloroform	ND(2,000)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(2,000)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(2,000)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(2,000)	ND(2)	ND(2)	5
Methylene Chloride	ND(5,000)	ND(5)	ND(5)	NA
Acetone	ND(50,000)	60	ND(50)	3,000

Date Sampled: December 12, 2001

Compound	Influent Concentration ug/L	Midfluent Concentration ug/L	Effluent Concentration ug/L	NPDES Exclusion Limit ug/L
1,1- Dichloroethene	ND(1,000)	ND(1)	ND(1)	7
cis-1,2-Dichloroethene	ND(2,000)	9	ND(2)	70
1,1,1-Trichloroethane	ND(2,000)	ND(2)	ND(2)	200
Trichloroethene	29,000	85	ND(2)	5
Tetrachloroethene	13,000	32	ND(2)	5
Chloroform	ND(2,000)	ND(2)	ND(2)	5
1,1-Dichloroethane	ND(2,000)	ND(2)	ND(2)	70
1,2-Dichloroethane	ND(2,000)	ND(2)	ND(2)	5
1,1,2-Trichloroethane	ND(2,000)	ND(2)	ND(2)	5
Methylene Chloride	ND(5,000)	ND(5)	ND(5)	NA
Acetone	ND(50,000)	ND(50)	ND(50)	3,000

Notes:

ug/L = micrograms per liter

ND = Not detected

(100) = detection limit

NA = Not Applicable

TABLE 8
AIR DISCHARGE PID READINGS

VARIAN MEDICAL SYSTEMS, INC.
FORMER 150 SOHIER ROAD FACILITY
BEVERLY, MASSACHUSETTS

Sample Date	Measured Influent Concentration ppm	Measured Effluent Concentration ppm	Measured Background Concentration ppm	Net Effluent Concentration* ppm	Removal Efficiency
07/02/01	26	0.4	0.4	0.0	100.0%
07/03/01	28	0.5	0.4	0.0	100.0%
07/06/01	30	0.6	0.4	0.0	100.0%
07/09/01	30	0.7	0.4	0.0	100.0%
07/11/01	31	0.7	0.4	0.0	100.0%
07/13/01	24	0.5	0.4	0.0	100.0%
07/16/01	22	0.4	0.4	0.0	100.0%
07/18/01	22	0.5	0.4	0.0	100.0%
07/20/01	20	0.4	0.4	0.0	100.0%
07/23/01	20	0.4	0.4	0.2	99.0%
08/03/01	24	0.6	0.5	0.2	99.2%
08/06/01	27	0.7	0.4	0.0	100.0%
08/08/01	32	0.9	0.5	0.1	99.7%
08/10/01	34	1.0	0.6	0.0	100.0%
08/13/01	32	0.8	0.5	0.3	99.1%
08/15/01	22	0.5	0.5	0.3	98.6%
08/17/01	18	0.5	0.5	0.1	99.4%
08/20/01	20	0.5	0.4	0.1	99.5%
08/21/01	18	0.4	0.4	0.1	99.4%
08/23/01	16	0.4	0.4	0.0	100.0%
08/31/01	NS	0.3	0.3	0.0	NA
09/04/01	6	0	NS	0.0	100.0%
09/12/01	28	0.6	0.4	0.0	100.0%
09/14/01	22	0.5	0.4	0.1	99.5%
09/17/01	22	0.4	0.4	0.1	99.5%
09/19/01	18	0.5	0.4	0.0	100.0%
09/21/01	22	0.5	0.4	0.0	100.0%
09/24/01	18	0.4	0.4	0.1	99.4%
09/26/01	24	0.5	0.4	0.0	100.0%
09/28/01	24	0.6	0.4	0.0	100.0%
10/01/01	22	0.4	0.4	0.0	100.0%
10/03/01	18	0.5	0.4	0.0	100.0%
10/05/01	18	0.4	0.4	0.0	100.0%
10/08/01	16	0.4	0.4	0.0	100.0%
10/10/01	18	0.4	0.4	0.0	100.0%
10/17/01	16	0.4	0.4	0.1	99.4%
10/19/01	16	0.4	0.4	0.0	100.0%

Sample Date	Measured Influent Concentration ppm	Measured Effluent Concentration ppm	Measured Background Concentration ppm	Net Effluent Concentration* ppm	Removal Efficiency
10/22/01	18	0.5	0.4	0.1	99.4%
10/24/01	18	0.5	0.4	0.1	99.4%
10/26/01	16	0.4	0.4	0.0	100.0%
10/29/01	14	0.4	0.4	0.1	99.3%
10/31/01	22	0.6	0.4	0.0	100.0%
11/02/01	14	0.4	0.4	0.0	100.0%
11/05/01	14	0.4	0.4	0.1	99.3%
11/07/01	18	0.5	0.4	0.0	100.0%
11/09/01	20	0.5	0.4	0.0	100.0%
11/12/01	18	0.5	0.4	0.0	100.0%
11/14/01	14	0.4	0.4	0.1	99.3%
11/16/01	14	0.4	0.4	0.2	98.6%
11/19/01	14	0.4	0.4	0.2	98.6%
11/21/01	12	0.4	0.4	0.2	98.3%
11/23/01	12	0.4	0.4	0.3	97.5%
11/26/01	10	0.4	0.4	0.3	97.0%
11/30/01	12	0.4	0.4	0.3	97.5%
12/03/01	12	0.4	0.4	0.0	100.0%
12/05/01	10	0.4	0.4	0.0	100.0%
12/07/01	16	0.4	0.4	0.0	100.0%
12/10/01	14	0.4	0.4	0.0	100.0%
12/12/01	14	0.4	0.4	0.0	100.0%
12/14/01	12	0.4	0.4	0.0	100.0%
12/17/01	17	0.5	0.4	0.0	100.0%
12/19/01	12	0.4	0.4	0.0	100.0%
12/21/01	10	0.4	0.4	0.0	100.0%
12/26/01	8	0.4	0.4	0.0	100.0%
12/28/01	10	0.4	0.4	0.0	100.0%
12/31/01	18	0.5	0.4	0.0	100.0%

Notes:

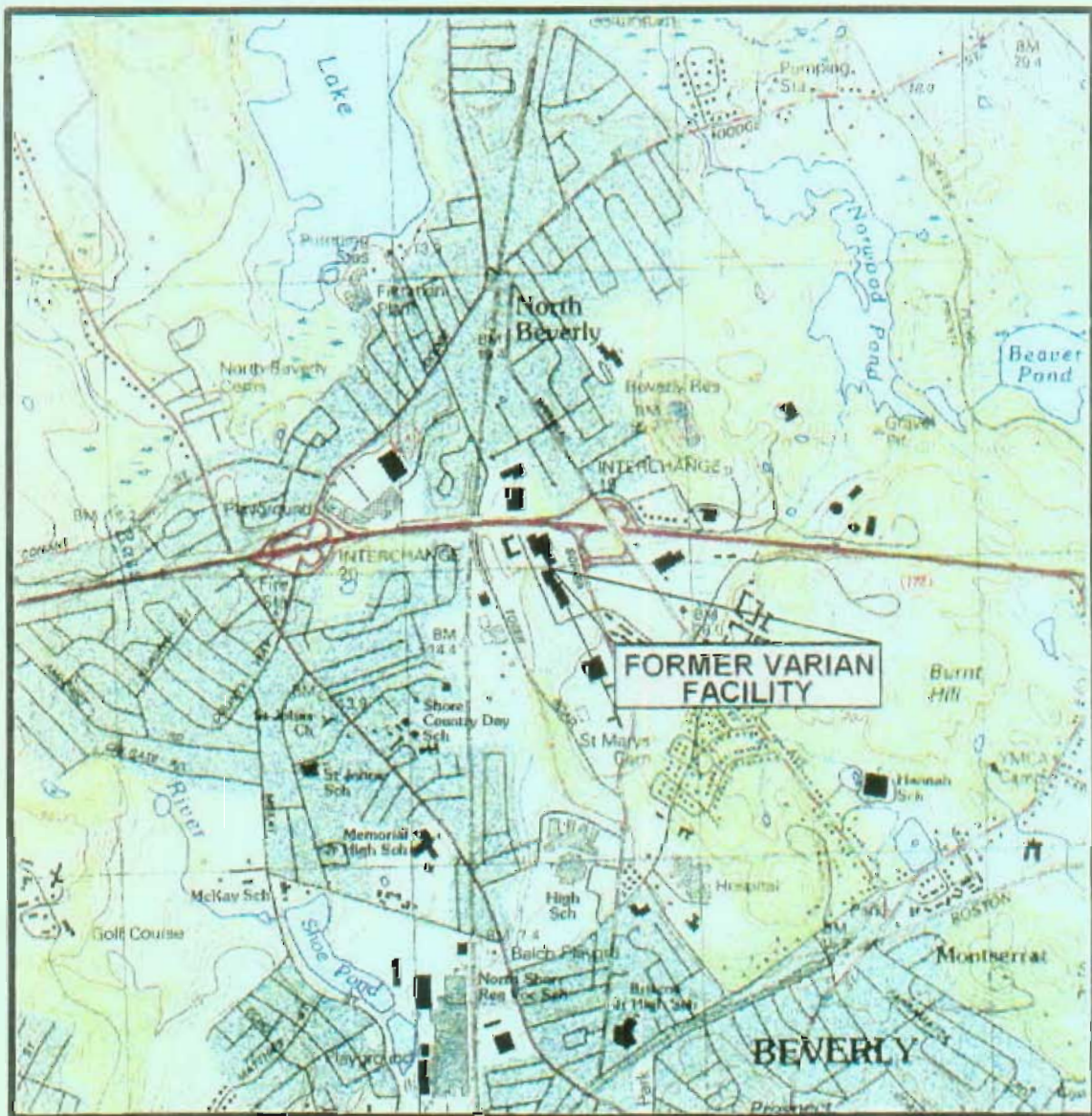
ppm=parts per million

*Net Effluent Concentration is the effluent concentration in excess of background PID reading

NA = Not Applicable

PID = Photoionization Detector

FIGURES



SOURCE: SCANNED USGS TOPOGRAPHIC QUADRANGLES
 SUPPLIED BY THE MASSACHUSETTS EXECUTIVE OFFICE
 OF ENVIRONMENTAL AFFAIRS, MASSGIS, JULY 1996



 IT CORPORATION <i>A Member of The IT Group</i>	DESIGNED	FORMER VARIAN FACILITY LOCATION MAP	
	DETAILED		
	EMD	CLIENT	VARIAN MEDICAL SYSTEMS, INC PALO ALTO, CALIFORNIA
CHECKED	LOCATION	150 SOHIER ROAD BEVERLY, MASSACHUSETTS	FIGURE 1





FIGURE 3
Shallow Overburden Groundwater Contours - November 2001

PREPARED FOR: VARIAN MEDICAL SYSTEMS, INC.
PALO ALTO, CALIFORNIA

SCALE: 1" = 600'

DATE: 31 JANUARY 2002

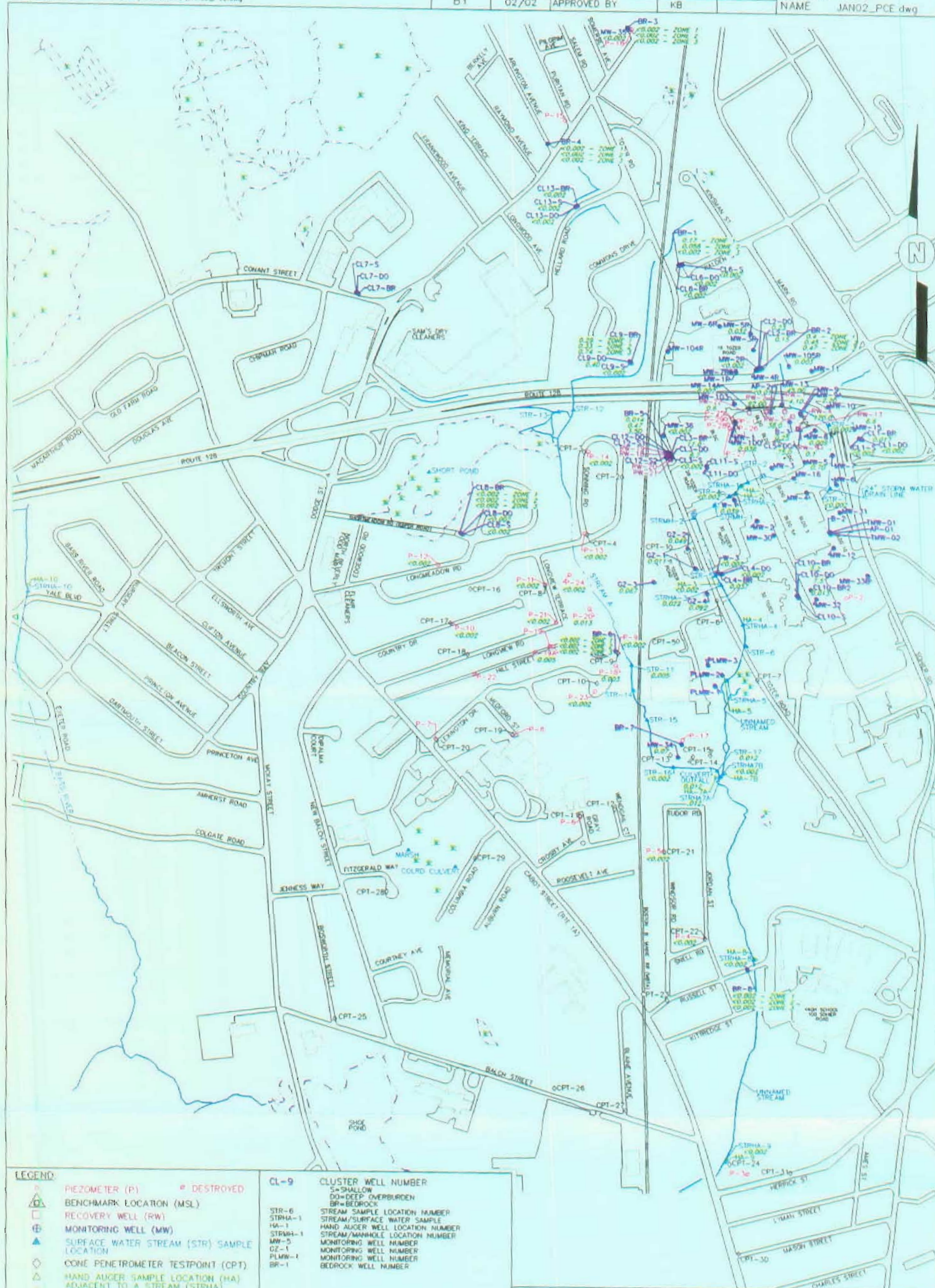
PREPARED BY:

DRAFTED BY: JC/EMD/KK

PROJECT NO.: 823398



DRAWN BY	JC/EMD/KK	CHECKED BY	DW	DRAWING NAME
	02/02	APPROVED BY	KB	JAN02_PCE.dwg



- LEGEND:**
- PIEZOMETER (P) ■ DESTROYED
 - BENCHMARK LOCATION (MSL)
 - RECOVERY WELL (RW)
 - MONITORING WELL (MW)
 - SURFACE WATER STREAM (STR) SAMPLE LOCATION
 - CONE PENETROMETER TESTPOINT (CPT)
 - HAND AUGER SAMPLE LOCATION (HA) ADJACENT TO A STREAM (STRHA) DESTROYED
 - MANHOLE ACCESS TO THE STREAM LOCATED WITHIN A CULVERT
 - APPROXIMATE BUILDING LOCATION
 - APPROXIMATE DRAIN MANHOLE LOCATION
 - APPROXIMATE LOCATION OF STREAM IN CULVERT
 - APPROXIMATE STREAM LOCATION
 - WATER AND MARSH AREA

CL-9 CLUSTER WELL NUMBER
 S=SHALLOW
 DO=DEEP OVERBURDEN
 BR=BEDROCK
 STR-S-6 STREAM SAMPLE LOCATION NUMBER
 STRHA-S-1 STREAM/SURFACE WATER SAMPLE
 HA-1 HAND AUGER WELL LOCATION NUMBER
 STRHA-1 STREAM/MANHOLE LOCATION NUMBER
 MW-5 MONITORING WELL NUMBER
 GZ-1 MONITORING WELL NUMBER
 PLMW-1 MONITORING WELL NUMBER
 BR-1 BEDROCK WELL NUMBER

D = DATA OBTAINED FROM A SECONDARY DILUTION
 < = LESS THAN METHOD DETECTION LIMIT
 GROUNDWATER SAMPLES COLLECTED ON 11/26/01 AND 1/11/02
 ALL CONCENTRATIONS PRESENTED IN PARTS PER MILLION (PPM)

BEDROCK WELLS BR-1 THROUGH BR-8 AND CL9-BR HAVE MULTILEVEL GROUNDWATER MONITORING SYSTEMS PRESENT WITHIN THE BEDROCK. ZONE 1 REFERS TO THE DEEPEST SAMPLING ZONE, ZONE 2 REFERS TO THE MIDDLE SAMPLING INTERVAL, AND ZONE 3 CLOSEST TO THE GROUND SURFACE.
 ELEVATIONS ON THIS MAP HAVE BEEN COMPILED FROM SURVEY DATA COLLECTED IN JULY 1994, MARCH 1995, OCTOBER 1995, SEPTEMBER 1996, MARCH 1997, DECEMBER 1997, SEPTEMBER 1998 AND JANUARY 2000 FROM VARIOUS EXISTING PLANS, AND OBSERVATIONS MADE IN THE FIELD BY IT CORPORATION

FIGURE 4
TETRACHLOROETHENE (PCE) Concentrations - November 2001
 January 2002

PREPARED FOR: VARIAN MEDICAL SYSTEMS, INC.
 PALO ALTO, CALIFORNIA

SCALE: 1" = 500'

DRAFTED BY: JC/EMD/KK

DATE: 31 JANUARY 2002

PROJECT NO: 823398

PREPARED BY:



DRAWN BY	JC/EMD/KK	CHECKED BY	BW	DRAWING NAME	JAN02_TCE.dwg
BY	02/02	APPROVED BY	KB		

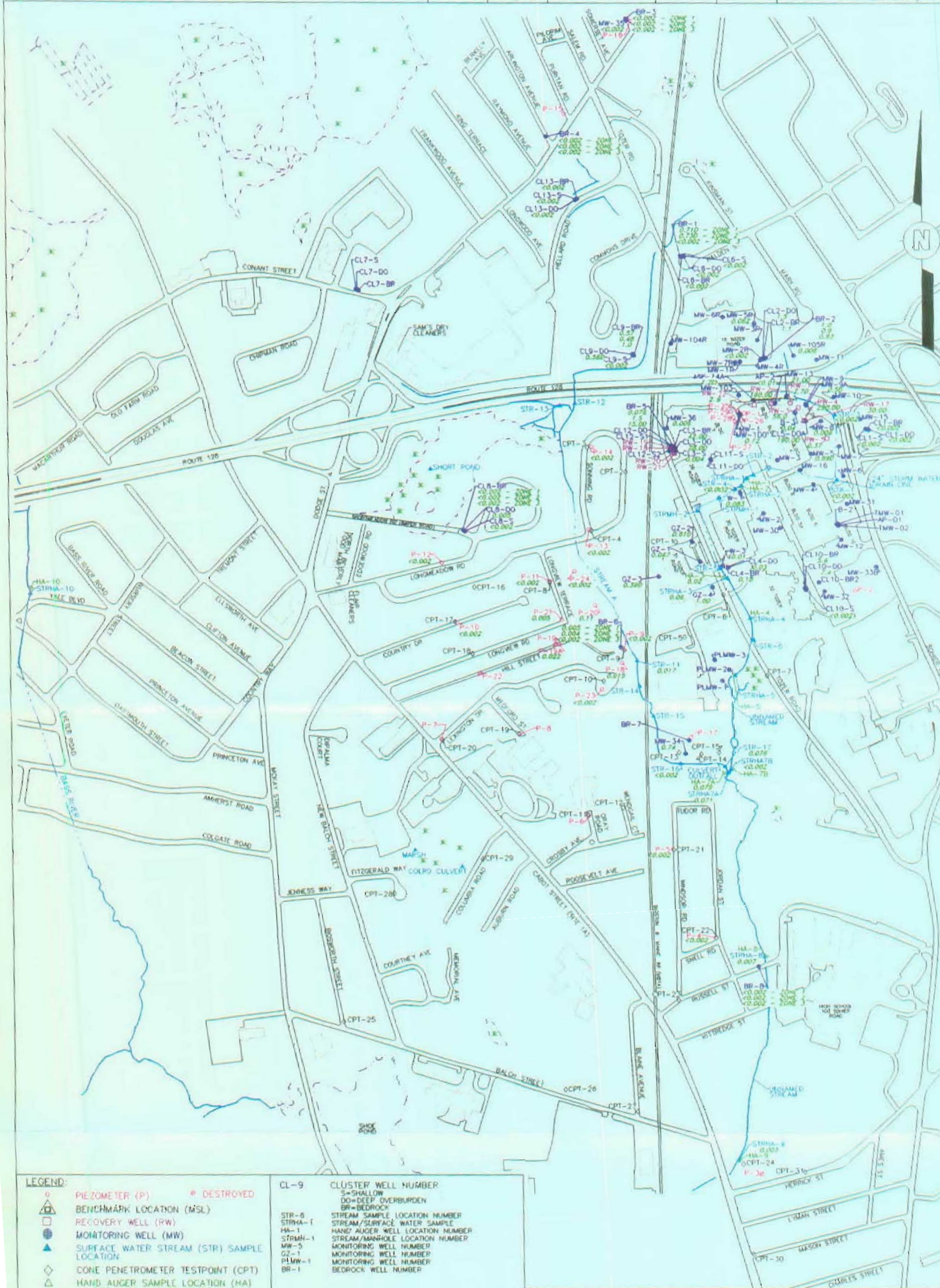


FIGURE 5
Trichloroethene (TCE) Concentrations - November 2001
January 2002

PREPARED FOR: VARIAN MEDICAL SYSTEMS, INC.
PALO ALTO, CALIFORNIA

SCALE: 1" = 600'

DATE: 31 JANUARY 2002

PREPARED BY:

DRAFTED BY: JC/EMD/KK

PROJECT NO.: 823398



- LEGEND:**
- PIEZOMETER (P) * DESTROYED
 - △ BENCHMARK LOCATION (MSL)
 - RECOVERY WELL (RW)
 - MONITORING WELL (MW)
 - ▲ SURFACE WATER STREAM (STR) SAMPLE LOCATION
 - ◇ CONE PENETROMETER TESTPOINT (CPT)
 - △ HAND AUGER SAMPLE LOCATION (HA) ADJACENT TO A STREAM (STRHA) DESTROYED
 - STRMH MANHOLE ACCESS TO THE STREAM LOCATED WITHIN A CULVERT
 - APPROXIMATE BUILDING LOCATION
 - APPROXIMATE DRAIN MANHOLE LOCATION
 - APPROXIMATE LOCATION OF STREAM IN CULVERT
 - APPROXIMATE STREAM LOCATION
 - 7 WATER AND MARSH AREA

- CL-9 CLUSTER WELL NUMBER
S=SHALLOW
DO=DEEP OVERBURDEN
BR=BEDROCK
- STR-S STREAM SAMPLE LOCATION NUMBER
STRHA-S STREAM/SURFACE WATER SAMPLE HAND AUGER WELL LOCATION NUMBER
STRMH-S STREAM/MANHOLE LOCATION NUMBER
MW-S MONITORING WELL NUMBER
GZ-1 MONITORING WELL NUMBER
PLMW-1 MONITORING WELL NUMBER
BR-1 BEDROCK WELL NUMBER

D - DATA OBTAINED FROM A SECONDARY DILUTION
< - LESS THAN METHOD DETECTION LIMIT
GROUNDWATER SAMPLES COLLECTED ON 11/26/01 AND 1/11/02
ALL CONCENTRATIONS PRESENTED IN PARTS PER MILLION (ppm)

BEDROCK WELLS BR-1 THROUGH BR-8 AND CL9-BR HAVE MULTILEVEL GROUNDWATER MONITORING SYSTEMS PRESENT WITHIN THE BEDROCK. ZONE 1 REFERS TO THE DEEPEST SAMPLING ZONE, ZONE 2 REFERS TO THE MIDDLE SAMPLING INTERVAL, AND ZONE 3 CLOSEST TO THE GROUND SURFACE.

ELEVATIONS ON THIS MAP HAVE BEEN COMPILED FROM SURVEY DATA COLLECTED IN JULY 1994, MARCH 1995, OCTOBER 1995, SEPTEMBER 1996, MARCH 1997, DECEMBER 1997, SEPTEMBER 1998 AND JANUARY 2000 FROM VARIOUS EXISTING PLANS, AND OBSERVATIONS MADE IN THE FIELD BY IT CORPORATION.

SCALE

0 600 1,200

APPENDIX A

RAM TRANSMITTAL FORM/BWSC-106



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT
MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

3 - 0485

A. SITE LOCATION:

Site Name: _____

Street: 150 Sohler Road

Location Aid: _____

City/Town: Beverly

ZIP Code: 01915

☒ Check here if a Tier Classification Submittal has been provided to DEP for this Release Tracking Number.

Related Release Tracking Numbers That This RAM or URAM Addresses: _____

B. THIS FORM IS BEING USED TO:

(check all that apply)

☐ Submit a RAM Plan (complete Sections A, B, C, D, E, F, J, K, L and M).

☐ Check here if this RAM Plan is an update or modification of a previously approved written RAM Plan. Date Submitted: _____

☒ Submit a RAM Status Report (complete Sections A, B, C, E, J, K, L and M).

☐ Submit a RAM Completion Statement (complete Sections A, B, C, D, E, G, J, K, L and M).

☐ Confirm or Provide URAM Notification (complete Sections A, B, H, K, L and M).

☐ Submit a URAM Status Report (complete Sections A, B, C, E, J, K, L and M).

☐ Submit a URAM Completion Statement (complete Sections A, B, C, D, E, I, J, K, L and M).

You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400.

C. SITE CONDITIONS:

☐ Check here if the source of the Release or Threat of Release is known.

If yes, check all sources that apply: ☐ UST ☐ Pipe/Hose/Line ☐ AST ☐ Drums ☐ Transformer ☐ Boat

☐ Tanker Truck ☐ Vehicle ☒ Other Specify: historical operations

Identify Media and Receptors Affected: (check all that apply) ☐ Air ☒ Groundwater ☒ Surface Water ☐ Sediments ☒ Soil

☐ Wetlands ☐ Storm Drain ☐ Paved Surface ☐ Private Well ☐ Public Water Supply ☐ Zone 2 ☐ Residence

☐ School ☐ Unknown ☐ Other Specify: _____

Identify Release and/or Threat of Release Conditions at Site: (check all that apply)

☐ 2 and 72 Hour Reporting Condition(s) ☐ 120 Day Reporting Condition(s) ☒ Other Condition(s)

Describe: a former waiver site

RAMs may be conducted concurrently with an IRA only with written DEP approval
URAMs may not be conducted if any 2 or 72 Hour conditions exist at the site.

Identify Oils and Hazardous Materials Released: (check all that apply)

☐ Oils

☒ Chlorinated Solvents

☐ Heavy Metals

☐ Others Specify: _____

D. DESCRIPTION OF RESPONSE ACTIONS:

(check all that apply)

NA

☐ Assessment and/or Monitoring Only

☐ Deployment of Absorbent or Containment Materials

☐ Excavation of Contaminated Soils

☐ Temporary Covers or Caps

☐ Re-use, Recycling or Treatment

☐ Bioremediation

☐ On Site ☐ Off Site Est. Vol.: _____ cubic yards

☐ Soil Vapor Extraction

Describe: _____

☐ Structure Venting System

☐ Store ☐ On Site ☐ Off Site Est. Vol.: _____ cubic yards

☐ Product or NAPL Recovery

SECTION D IS CONTINUED ON THE NEXT PAGE.



**RELEASE & UTILITY-RELATED ABATEMENT
MEASURE (RAM & URAM) TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

Release Tracking Number

3 - 0485

D. DESCRIPTION OF RESPONSE ACTIONS (continued):

- ☐ Landfill ☐ Cover ☐ Disposal Est. Vol.: _____ cubic yards ☐ Groundwater Treatment Systems
- ☐ Removal of Drums, Tanks or Containers ☐ Air Sparging
- Describe: _____ ☐ Temporary Water Supplies
- ☐ Removal of Other Contaminated Media ☐ Temporary Evacuation or Relocation of Residents
- Specify Type and Volume: _____ ☐ Fencing and Sign Posting
- ☐ Other Response Actions Describe: _____
- See 310 CMR 40.0442 for limitations on the scope and type of RAMs.
See 310 CMR 40.0464 for performance standards for URAMs.
- ☐ Check here if this RAM or URAM involves the use of Innovative Technologies. DEP is interested in using this information to aid in creating an Innovative Technologies Clearinghouse.
- Describe Technologies: _____

E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been sent to an off-site facility, answer the following questions)

Name of Facility: NA

Town and State: _____

Quantity of Remediation Waste Transported to Date: _____

F. RAM PLAN: NA

- ☐ Check here if this RAM Plan received previous oral approval from DEP as a continuation of a Limited Removal Action (LRA).
- Date of Oral Approval: _____
- ☐ If a RAM Compliance Fee is required, check here to certify that the fee has been submitted. You **MUST** attach a photocopy of the payment. See 310 CMR 40.0444(2) to learn when a fee is not required.
- ☐ Check here if the RAM Plan is proposed for a Transition Site. If this is the case, you may need to attach an LSP Evaluation Opinion prior to undertaking the RAM, if not previously provided. See 310 CMR 40.0600 for further information about Transition Sites.

G. RAM COMPLETION STATEMENT: NA

- ☐ If a RAM Compliance Fee is required in connection with submission of the RAM Completion Statement, check here to certify that the fee has been submitted. You **MUST** attach a photocopy of the payment. You owe this fee when submitting a RAM Completion Statement if you received oral approval of a RAM that continued an LRA, and have NOT previously submitted a RAM Plan and accompanying fee.
- If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission of the RAM Completion Statement, you must submit a Phase IV Remedy Implementation Plan, along with the appropriate transmittal form, as an attachment to the RAM Completion Statement.

H. URAM NOTIFICATION: NA

- Identify Location Type: (check all that apply) ☐ Public Right of Way ☐ Utility Easement ☐ Private Property
- Identify Utility Type: (check all that apply) ☐ Sanitary/Combined Sewerage ☐ Water ☐ Drainage ☐ Natural Gas
- ☐ Telephone ☐ Steam Lines ☐ Telecommunications ☐ Electric ☐ Other Specify: _____
- ☐ Check here if you provided DEP with previous oral notification of this URAM. Date of Oral Notice: _____
- ☐ Check here if the property owner was NOT contacted prior to initiation of the URAM. If this is the case, you must attach an explanation of why the owner was not contacted, including the date and time when contact ultimately occurred.
- ☐ Check here if this URAM will occur in connection with the construction of new public utilities. If this is the case, document the nature and extent of encountered contamination, the scope and expense of necessary mitigation and the benefits and limitations of project alternatives.
- With the exception stated below, the person undertaking the URAM must provide the name and license number of an LSP engaged or employed in connection with the URAM:
- LSP Name: _____ LSP License Number: _____

LSP information is not required if the URAM is limited to the excavation and/or handling of not more than 100 cubic yards of soil contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by a Hazardous Material or a mixture of a Hazardous Material and Oil.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT
MEASURE (RAM & URAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

Release Tracking Number

3 - 0485

I. URAM COMPLETION STATEMENT: NA

☐ Check here if this URAM was limited to the excavation and/or handling of not more than 100 cubic yards of soil contaminated by Oil, or not more than 20 cubic yards of soil contaminated by either a Hazardous Material or a mixture of a Hazardous Material and Oil.

If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission of the URAM Completion Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase IV Remedy Implementation Plan, along with the appropriate transmittal form, as an attachment to the URAM Completion Statement.

J. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

> if Section B of this form indicates that a Release Abatement Measure Plan is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a Release Abatement Measure Status Report or a Utility-Related Abatement Measure Status Report is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a Release Abatement Measure Completion Statement or a Utility-Related Abatement Measure Completion Statement is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

☐ Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

LSP Name: Timothy W. Kemper LSP #: 9070 Stamp:

Telephone: 508-497-6162 Ext: _____

FAX: (optional) 508-435-9641

Signature: Timothy W. Kemper

Date: 2/28/02



An LSP Opinion is not required for a Utility-Related Abatement Measure Notification.

An LSP Opinion is not required for a URAM Completion Statement if the URAM is limited to the excavation and/or handling of not more than 100 cubic yards of soil contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by Hazardous Material or a mixture of Hazardous Material and Oil.

K. PERSON UNDERTAKING RAM OR URAM:

Name of Organization: Varian Medical Systems, Inc.

Name of Contact: Denise Kato Title: Sr. Environmental Engineer

Street: 3100 Hansen Way M/S F-095

City/Town: Palo Alto State: CA ZIP Code: 94304-1030

Telephone: 650-424-5812 Ext: _____ FAX: _____

☐ Check here if there has been a change in person undertaking the RAM or URAM.



**RELEASE & UTILITY-RELATED ABATEMENT
MEASURE (RAM & URAM) TRANSMITTAL FORM**

Release Tracking Number

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

3 - 0485

L. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RAM or URAM: (check one)

- ☒ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: Former owner/operator
- ☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ Any Other Person Undertaking RAM or URAM Specify Relationship: _____

M. CERTIFICATION OF PERSON UNDERTAKING RAM OR URAM:

I, Gary Kern, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/are aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

By: _____
(signature)

Title: Director, Corp. EH & S

For: Varian Medical Systems, Inc.
(print name of person or entity recorded in Section K)

Date: February 22, 2002

Enter address of person providing certification, if different from address recorded in Section K:

Street: _____

City/Town: _____

State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ FAX: (optional) _____

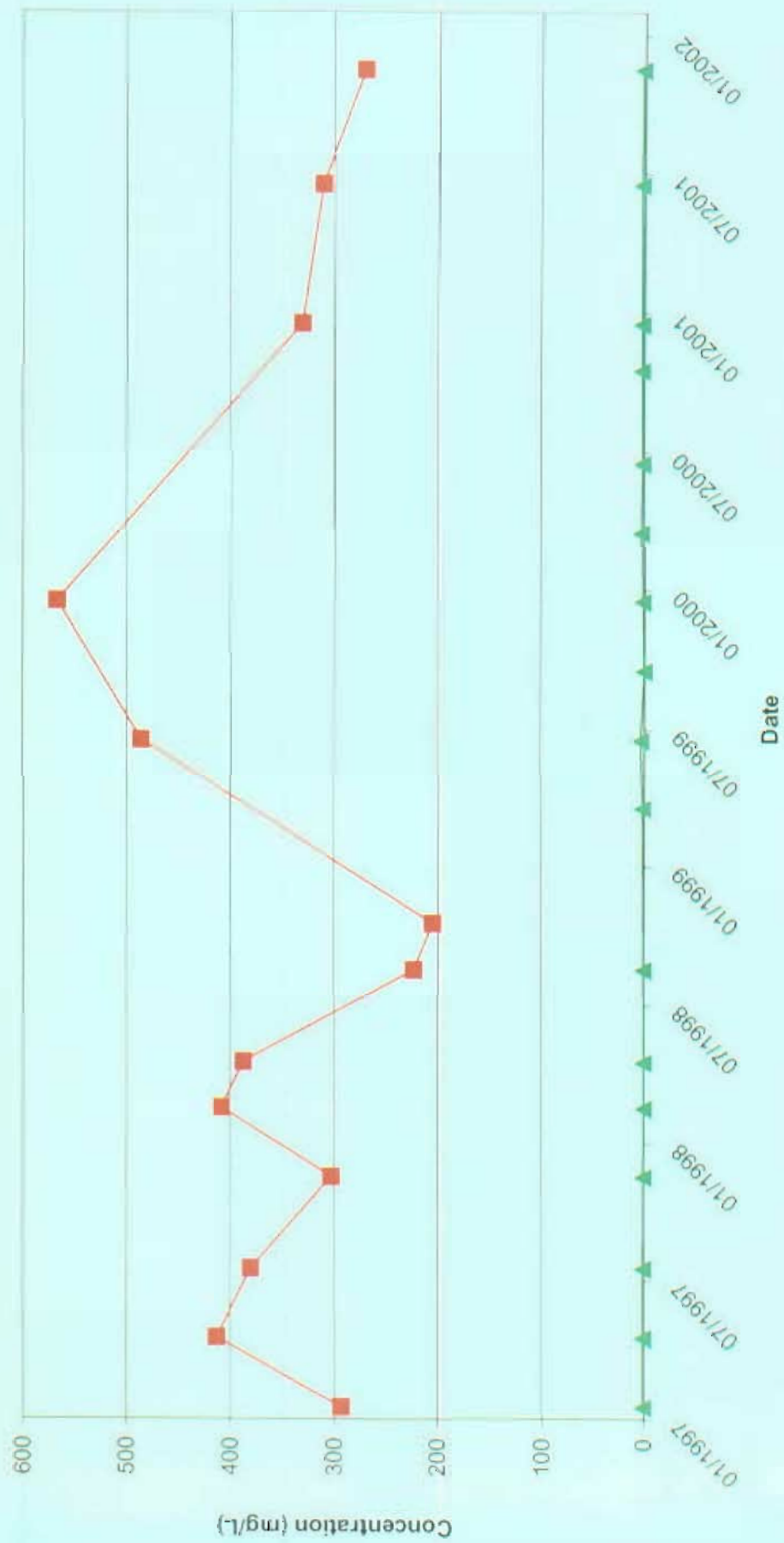
YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

APPENDIX B

VOC CONCENTRATION GRAPHS

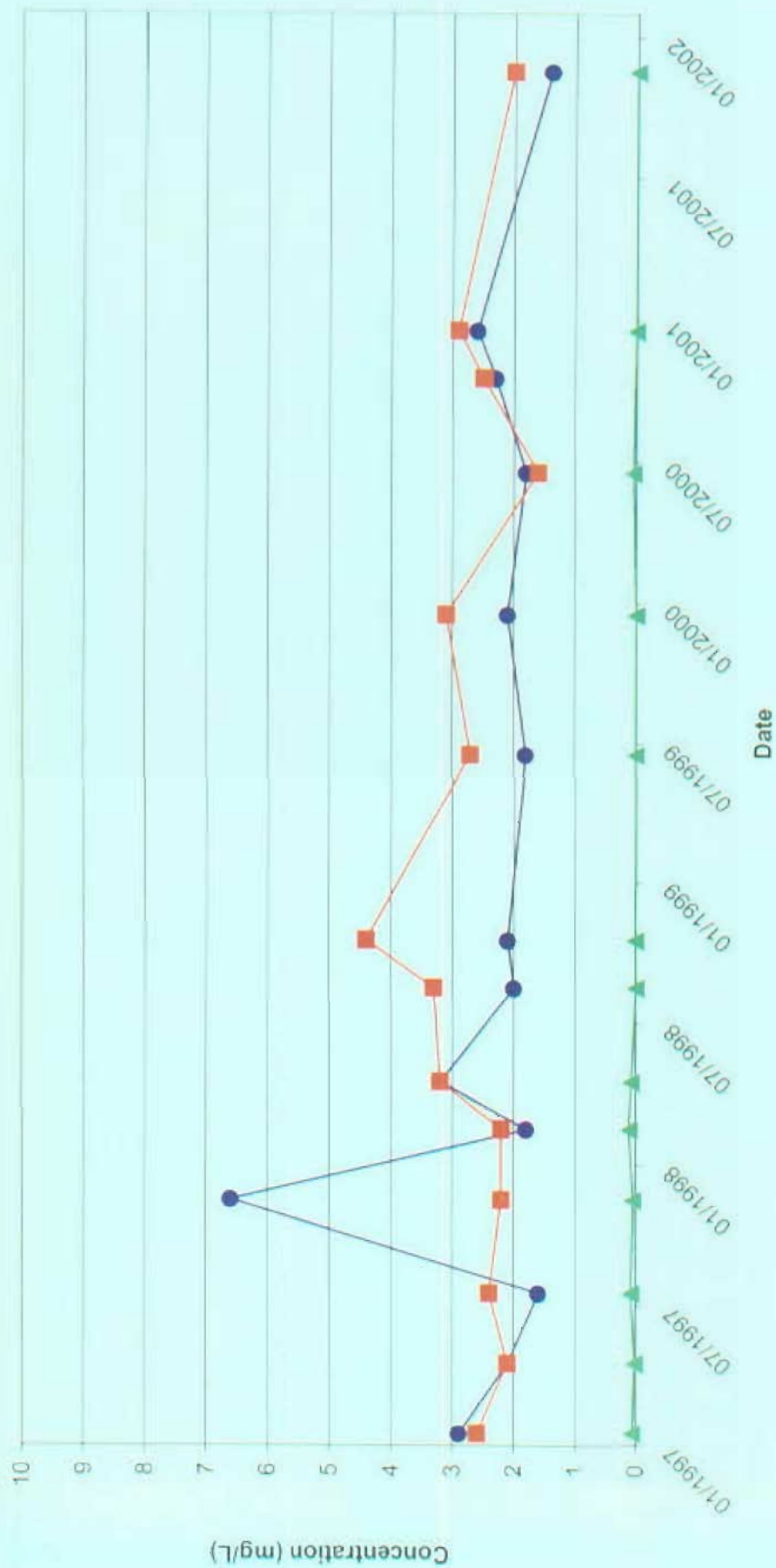
Total Volatile Organics vs Time

Varian Medical Systems, Inc.
Beverly, MA



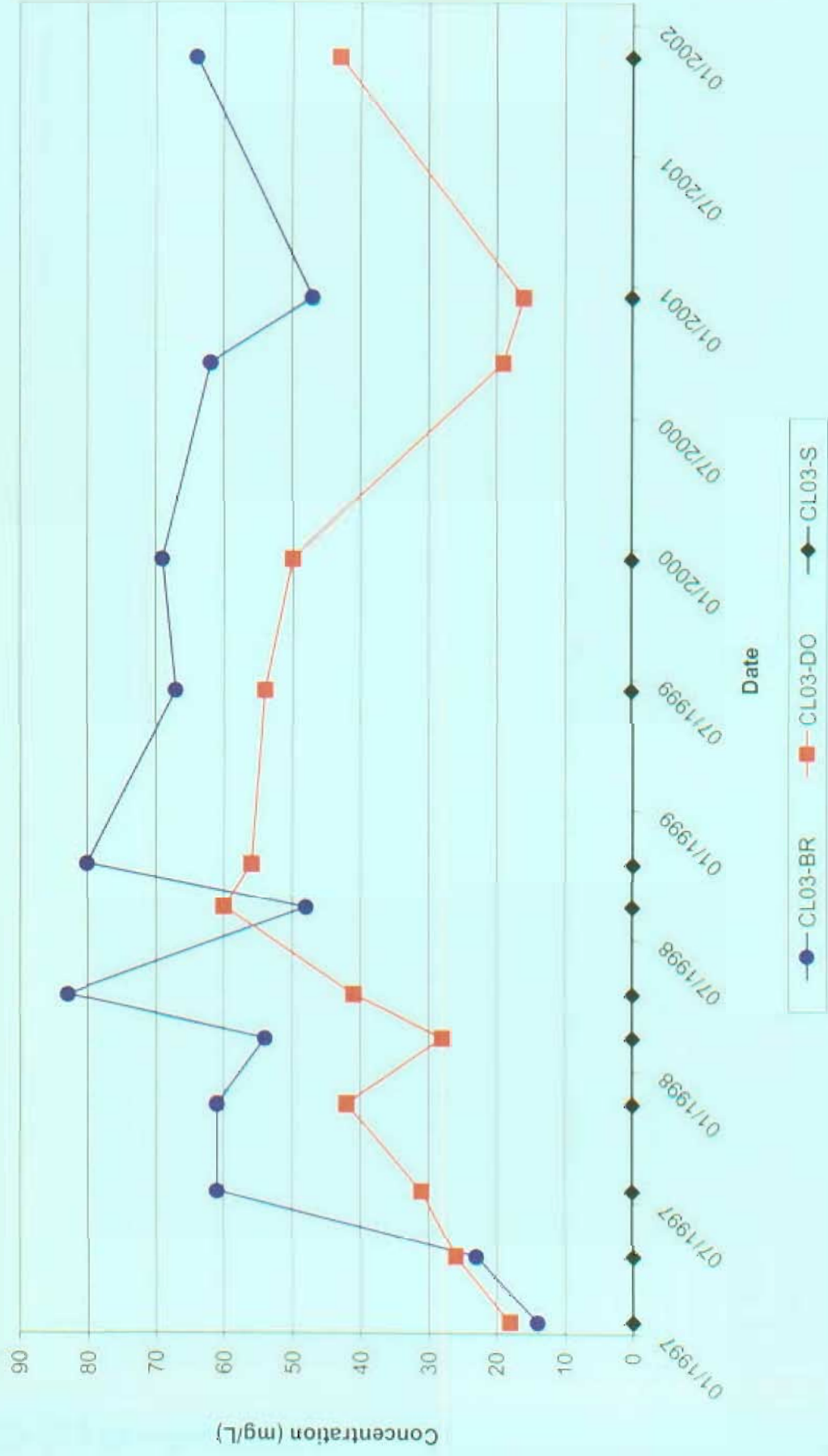
Total Volatile Organics vs Time

Varian Medical Systems, Inc.
Beverly, MA



Total Volatile Organics vs Time

Varian Medical Systems, Inc.
Beverly, MA



Total Volatile Organics vs Time

Varian Medical Systems, Inc.
Beverly, MA

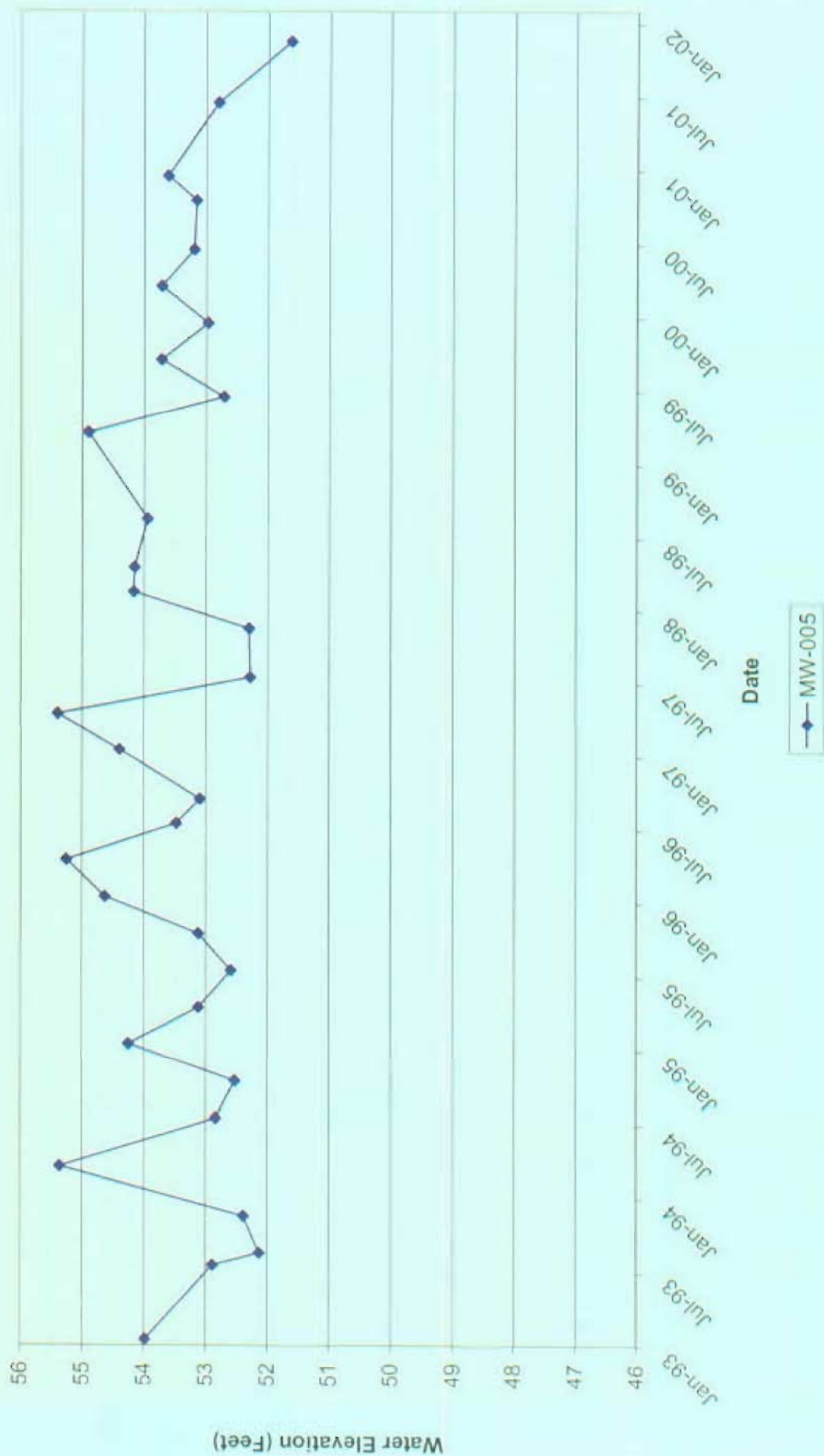


APPENDIX C

GROUNDWATER ELEVATION GRAPHS

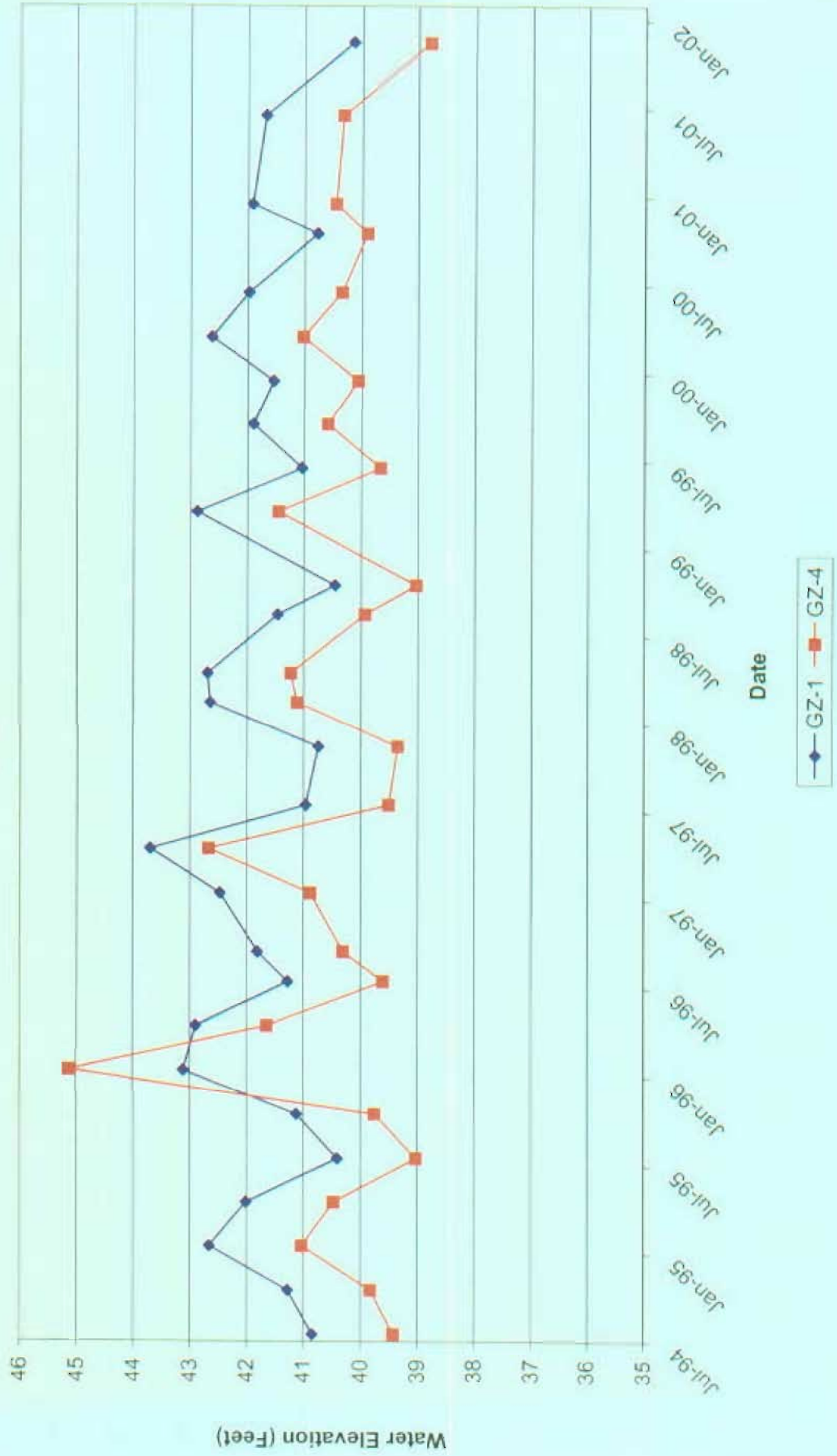
MW-005 Groundwater Elevations

Varian Medical Systems, Inc.
Beverly, MA



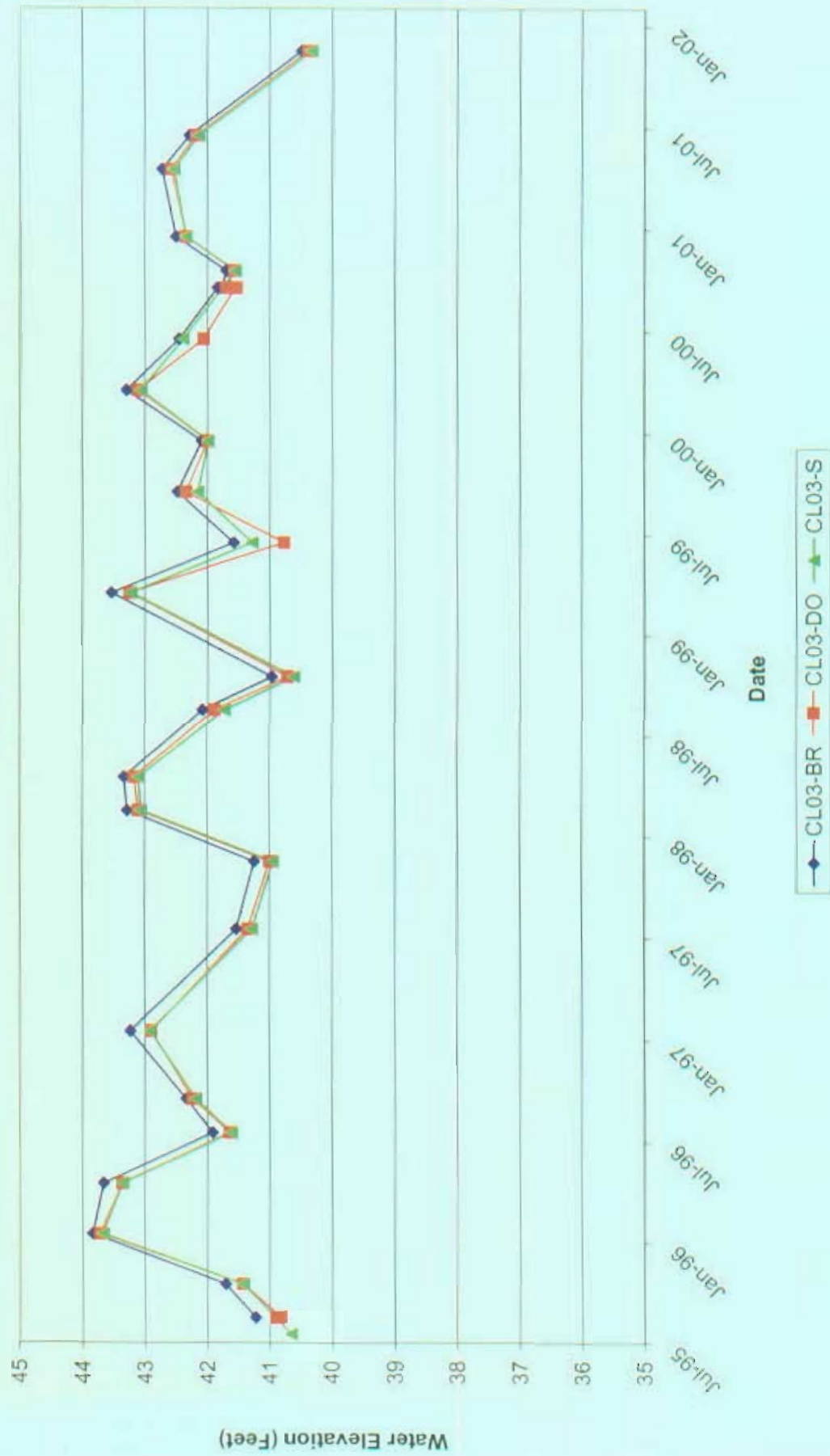
GZ-1 and GZ-4 Groundwater Elevations

Varian Medical Systems, Inc.
Beverly, MA



CL03-BR, CL03-DO and CL03-S Groundwater Elevations

Varian Medical Systems, Inc.
Beverly, MA



APPENDIX D

**FIELD WORK METHODS,
QA/QC, LIMITATIONS AND VALIDATION REPORTS**

IT Corporation – Field Work Methods

Water Level Measurements

Prior to the collection of groundwater and surface water samples, IT measures depths to water from all accessible wells and piezometers. Groundwater level measurements are recorded from the surveyed top of PVC, steel casing or road box of the wells, as established by a licensed surveyor. Surface water levels are measured from the surveyed steel bar located within a stream or from a surveyed point marked at a culvert. The monitoring is completed with an ORS Environmental Equipment (or equivalent) interface probe (IP). At wells monitored for the presence of dense non-aqueous phase liquid (DNAPL), an IP with a chemically resistant probe is used. The IP used measures depth to groundwater and DNAPL thickness to an accuracy of 0.01 foot. To prevent cross-contamination, the probe and tape of the IP used are washed with water and detergent (Alconox) and rinsed with de-ionized water prior to each use.

Groundwater Sample Collection

Prior to collecting groundwater samples, the groundwater volume in each well or piezometer is calculated using casing diameter, depth to water and total well depth measurements. Purging of each well is conducted until:

- 1) three well volumes are purged and groundwater parameters such as pH, temperature, and conductivity have stabilized; or
- 2) five well volumes have been purged; or
- 3) the well has been pumped dry.

Some wells are purged using clean, dedicated, low density polyethylene (LDPE) tubing in conjunction with either a peristaltic pump or a Grundfos submersible pump. Except for the disposable tubing, no part of the peristaltic pump comes into contact with either purge or sample groundwater. The Grundfos pump is cleaned with Alconox and de-ionized water following each use and at the completion of the sampling round. Other wells are purged with a manual inertia pump consisting of dedicated LDPE tubing and a Debrin™ plastic foot valve (manufactured by Waterra Ltd., of Canada), or with LDPE disposable bailers. Following purging, wells are sampled with either the manual inertia pump, the peristaltic pump or with a disposable bailer using clean nylon or polypropylene string. All tubing and bailers are disposed after use.

Surface Water Sample Collection

The surface water samples are collected directly from the streams with laboratory-supplied vials. Surface water samples are collected by dipping the vial into the surface water at a low angle. The vials are not submerged, to avoid excessive bubbles and loss of the preservative. At stream points not directly accessible, water samples are first obtained with a glass jar attached to a string and then transferred into appropriate laboratory vials.

Sample Handling

All groundwater and surface water samples to be analyzed for VOCs are collected in laboratory-supplied 40-milliliter vials preserved with hydrochloric acid. The time and date of sample collection are recorded on the field-sampling log, and all appropriate information noted on the laboratory chain-of-custody forms. All samples are properly labeled, packaged, and placed in coolers on ice and kept at a temperature of approximately 4° Celsius. The sample coolers are picked up on site by the laboratory courier or shipped to the laboratory by Federal Express.

Samples collected in November 2001 and January 2002 were submitted under chain-of-custody protocol to a Massachusetts certified laboratory, Eastern Analytical, Inc., in New Hampshire for analysis of VOCs by EPA Method 8260B.

Waterloo Well Sampling Procedures

Principle of Operation

Waterloo multi-level sampling systems, manufactured by Solinst of Canada Ltd., were installed in selected bedrock wells for the collection of groundwater samples. These systems use gas-driven stainless steel dedicated dual valve pumps installed within each of the three discrete sampling zones in each well. Each pump is connected to two, 1/4-inch diameter LDPE tubes. A 1/2-inch diameter high density polyethylene (HDPE) tube is also connected to each discrete intake zone to allow measurement of static water levels in each zone.

To collect the sample, compressed nitrogen is directed into one of the 1/4-inch diameter drive tubes through a manifold valve at a pressure greater than the hydrostatic pressure. This pushes groundwater to the surface through the body of the pump and up the second 1/4-inch diameter tube through a one-way (up-only) check valve. When the nitrogen pressure is vented, groundwater re-enters the bottom of the pump through another one-way check valve and into the 1/4-inch diameter tubing. The cycling process is repeated until the calculated volume has been purged and the sample collected.

Field Procedures

The water level in each of the three zones is measured through a 1/2-inch diameter gauging tube relative to the surveyed measuring point. The appropriate volume of groundwater to be purged from each zone prior to sampling is then calculated.

A cylinder of compressed nitrogen is then connected to the Automatic Control Unit, and the supply regulator is set to 300 psi or less. The required pressure for driving the selected pump is calculated, and the pressure regulator on the control is set to this value. When simultaneously purging two or more zones, the pressure to drive the pump in the shallowest zone is used to avoid over-pressuring and dewatering that pump. The driveline is connected from the control unit to the manifold, and the shutoff valves of the selected intake zones opened.

Pumping is initiated by turning on the switch to Auto or On. In Auto, the setting typically used, the control unit automatically controls the drive/vent cycles. In On, the control unit drives compressed nitrogen continuously, until manually turned to Off. Purge water is collected in three buckets to measure the volume of water evacuated from each zone. Groundwater is then placed in a 55-gallon drum and transported to the on-site remediation system for treatment.

As water is purged from each zone, a sample is collected in a glass jar rinsed with the purge water for measurement of the field parameters (temperature, conductivity and pH). These data are recorded on field logs for each zone. As each intake zone is purged and sampled, the corresponding shutoff valve is closed so purging of the remaining zones can be completed more rapidly by using a higher pressure of nitrogen.

Since the purging flow rates achieved with these dual-valve pumps are small (approximately 0.05-0.1 gallons per minute), a peristaltic pump is used to help purge the intake zones when hydrostatic head conditions permit. The peristaltic pump is connected to one open gauging tube at a given well beginning with Zone 1. This zone, being the deepest, has the largest volume of water to purge, and samples are collected only from the 1/4-inch diameter sample line. If the dual-valve pump is not operating properly, the peristaltic pump is used to both purge and sample that particular zone. New silicon and HDPE connecting tubing is used on the peristaltic pump for each zone.

Upon purging the appropriate volumes, or when the field parameters have stabilized, a groundwater sample is collected directly from the 1/4-inch sample line of each intake zone into a 40 ml preserved glass vial. The vials are properly labeled, packaged, and placed on ice in a cooler. A chain-of-custody form is completed and accompanies the samples to the laboratory.

Quality Assurance/Quality Control (QA/QC)

This report provides analytical results and the associated validation reports for groundwater and surface water samples collected as part of the November 2001 and January 2002 sampling events. Analytical results reported include a Level "B" QA/QC laboratory report, which summarizes sample condition upon arrival at the laboratory and documents QA/QC procedures performed during analysis. These reports are reviewed by IT to determine if samples were analyzed within holding times and to ensure that surrogate recoveries and internal standards were within QA/QC limits. All samples were analyzed within hold times, and all surrogate recoveries and internal standards were reported within QA/QC limits. A "D" qualifier on the data tables or lab reports indicates samples that have been diluted by the laboratory.

Surface and Groundwater Samples

IT determined that all of the samples collected in November 2001 and January 2002 were analyzed within the appropriate holding times. All surrogate analysis percent recoveries and MS/MSD recoveries were in accordance with the criteria presented in the laboratory reports.

Blanks

During the November sampling event, 12 field blanks were collected and analyzed along with 12 trip blanks. VOCs were not detected in the field or trip blanks samples from the November 2001 sampling event. During the January event 1 field blanks was collected and analyzed along with 1 trip blank. VOCs were not detected in the field or trip blank samples from the January 2002 sampling event.

Trip blank results for each event are presented with the analytical and validation reports in Appendix E.

LIMITATIONS

This report was prepared in accordance with standards of environmental geologic practice generally accepted in Massachusetts at the time of this investigation. This investigation was conducted solely for the purpose of evaluating subsurface environmental conditions with respect to groundwater in the vicinity of the Site. Evaluation of geologic and environmental conditions at the Site for the purposes of the investigation was made for a limited number of observation points. Subsurface conditions may vary away from the data points available.

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc **IT Job Number :** 823398
Prepared By: C. Joe **Date :** 3-Jan-02
Analyte Group : Volatile Organic Compounds **Analytical Method :** EPA 8260B
Laboratory ID No. : 29043

Chain of Custody Included in Data Package ? ☒ Yes ☐ No Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/28/01 **Analysis Date :** 12/7/01
12/10/01
12/11/01
12/12/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%
 Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/7/2001				
1,1-dichloroethene	108%	119%	61%-145%	Both-Yes
trichloroethene	97%	113%	71%-120%	Both-Yes
chlorobenzene	95%	109%	75%-130%	Both-Yes
Date: 12/11/2001				
1,1-dichloroethene	68%	65%	61%-145%	Both-Yes
trichloroethene	106%	107%	71%-120%	Both-Yes
chlorobenzene	106%	109%	75%-130%	Both-Yes
Date: 12/13/2001				
1,1-dichloroethene	61%	78%	61%-145%	Both-Yes
trichloroethene	94%	112%	71%-120%	Both-Yes
chlorobenzene	107%	115%	75%-130%	Both-Yes

Field Blank ID : Field Blank-7

Trip Blank ID : Trip Blank-7

Were any compounds identified in the method blank, field blank or trip blank above detection limits ? Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *MM W/Whitt* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29093

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/27/01

Analysis Date : 12/6/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	MS Recovery	MSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/6/01				
1,1-dichloroethene	124%	119%	61%-145%	Both-Yes
trichloroethene	111%	110%	71%-120%	Both-Yes
chlorobenzene	102%	107%	75%-130%	Both-Yes

Field Blank ID : Field Blank-10

Trip Blank ID : Trip Blank-10

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☐ No ☒

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *AM W Watters* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds
Manganese

Analytical Method : EPA 8260B

Laboratory ID No. : 29040

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/28/01

Analysis Date : 12/9/01
12/10/01
12/11/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LCSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/09/2001				
1,1-dichloroethene	112%	107%	61%-145%	Both-Yes
trichloroethene	102%	99%	71%-120%	Both-Yes
chlorobenzene	116%	110%	75%-130%	Both-Yes
Date: 12/10/2001				
1,1-dichloroethene	125%	121%	61%-145%	Both-Yes
trichloroethene	115%	109%	71%-120%	Both-Yes
chlorobenzene	119%	121%	75%-130%	Both-Yes

	MS Recovery	MSD Recovery		
Date: 12/10/2001				
1,1-dichloroethene	131%	126%	61%-145%	Both-Yes
trichloroethene	106%	100%	71%-120%	Both-Yes
chlorobenzene	120%	118%	75%-130%	Both-Yes
Date: 12/11/2001				
1,1-dichloroethene	134%	126%	61%-145%	Both-Yes
trichloroethene	112%	106%	71%-120%	Both-Yes
chlorobenzene	124%	117%	75%-130%	Both-Yes

Field Blank ID : Field Blank-2

Trip Blank ID : Trip Blank-2

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Notes:

Reviewed By: *W W White* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29041

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/27/01

Analysis Date :
12/6/01
12/7/01
12/10/01
12/11/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LCSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/11/2001				
1,1-dichloroethene	68%	65%	61%-145%	Both-Yes
trichloroethene	106%	107%	71%-120%	Both-Yes
chlorobenzene	106%	109%	75%-130%	Both-Yes

	MS Recovery	MSD Recovery		
Date: 12/06/2001				
1,1-dichloroethene	124%	119%	61%-145%	Both-Yes
trichloroethene	111%	110%	71%-120%	Both-Yes
chlorobenzene	102%	107%	75%-130%	Both-Yes

Date: 12/07/2001				
1,1-dichloroethene	108%	119%	61%-145%	Both-Yes
trichloroethene	97%	113%	71%-120%	Both-Yes
chlorobenzene	95%	109%	75%-130%	Both-Yes

Field Blank ID : Field Blank-5

Trip Blank ID : Trip Blank-5

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *And W Watts* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29044

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/28/01

Analysis Date : 12/8/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	MS Recovery	MSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/8/2001				
1,1-dichloroethene	129%	132%	61%-145%	Both-Yes
trichloroethene	115%	113%	71%-120%	Both-Yes
chlorobenzene	121%	119%	75%-130%	Both-Yes

Field Blank ID : Field Blank-6

Trip Blank ID : Trip Blank-6

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No ☐

If so, list Sample ID/Compound/Concentration/Units

Notes:

Reviewed By: *Paul W. Watters* 2/14/02

Data Validation Worksheet

Project Name :	Varian Medical Systems, Inc	IT Job Number :	823398
Prepared By:	C. Joe	Date :	3-Jan-02
Analyte Group :	Volatile Organic Compounds Manganese	Analytical Method :	EPA 8260B
		Laboratory ID No. :	29094
Chain of Custody	Included in Data Package ?	Is it Complete ?	Yes No

Allowable Holding Time : 14 Days

Sample Collection Date :	11/28/01 11/29/01	Analysis Date :	12/8/01 12/9/01 12/10/01
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Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%
Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? Yes No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LCSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/09/2001				
1,1-dichloroethene	112%	107%	61%-145%	Both-Yes
trichloroethene	102%	99%	71%-120%	Both-Yes
chlorobenzene	116%	110%	75%-130%	Both-Yes
Date: 12/10/2001				
1,1-dichloroethene	125%	121%	61%-145%	Both-Yes
trichloroethene	115%	109%	71%-120%	Both-Yes
chlorobenzene	119%	121%	75%-130%	Both-Yes

	MS Recover	MSD Recovery		
Date: 12/08/2001				
1,1-dichloroethene	129%	132%	61%-145%	Both-Yes
trichloroethene	115%	113%	71%-120%	Both-Yes
chlorobenzene	121%	119%	75%-130%	Both-Yes

Field Blank ID : Field Blank-3

Trip Blank ID : Trip Blank-3

Were any compounds identified in the method blank, field blank or trip blank above detection limits ? Yes No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *Paul W. Watkins* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29096

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/28/01

Analysis Date : 12/7/01
12/11/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/08/2001				
1,1-dichloroethene	77%	73%	61%-145%	Both-Yes
trichloroethene	108%	106%	71%-120%	Both-Yes
chlorobenzene	112%	107%	75%-130%	Both-Yes
Date: 12/12/2001				
1,1-dichloroethene	65%	66%	61%-145%	Both-Yes
trichloroethene	106%	109%	71%-120%	Both-Yes
chlorobenzene	106%	106%	75%-130%	Both-Yes

Field Blank ID : Field Blank-9

Trip Blank ID : Trip Blank-9

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☐ No ☒

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *DM W Winters* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29042

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/27/01

Analysis Date : 12/5/01
12/6/01
12/10/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	MS Recovery	MSD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/05/2001				
1,1-dichloroethene	127%	113%	61%-145%	Both-Yes
trichloroethene	110%	103%	71%-120%	Both-Yes
chlorobenzene	99%	98%	75%-130%	Both-Yes
Date: 12/11/2001				
1,1-dichloroethene	68%	65%	61%-145%	Both-Yes
trichloroethene	106%	107%	71%-120%	Both-Yes
chlorobenzene	106%	109%	75%-130%	Both-Yes

Field Blank ID : Field Blank-4

Trip Blank ID : Trip Blank-4

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *Red W. Watts* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29091

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/30/01

Analysis Date : 12/7/01

12/8/01

12/9/01

12/13/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/08/2001				
1,1-dichloroethene	77%	73%	61%-145%	Both-Yes
trichloroethene	108%	106%	71%-120%	Both-Yes
chlorobenzene	112%	107%	75%-130%	Both-Yes
Date: 12/09/2001				
1,1-dichloroethene	72%	67%	61%-145%	Both-Yes
trichloroethene	103%	100%	71%-120%	Both-Yes
chlorobenzene	103%	101%	75%-130%	Both-Yes
Date: 12/13/2001				
1,1-dichloroethene	61%	78%	61%-145%	Both-Yes
trichloroethene	94%	112%	71%-120%	Both-Yes
chlorobenzene	107%	115%	75%-130%	Both-Yes

MS
Recovery

MSD
Recovery

Date: 12/13/2001				
1,1-dichloroethene	130%	117%	61%-145%	Both-Yes
trichloroethene	113%	109%	71%-120%	Both-Yes
chlorobenzene	117%	113%	75%-130%	Both-Yes

Field Blank ID : Field Blank-1

Trip Blank ID : Trip Blank-1

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *MM W. W. W. W.* 1/14/02

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Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29092

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/28/01
11/29/01

Analysis Date : 12/9/01
12/10/01
12/11/01
12/12/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
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Date: 12/11/2001

1,1-dichloroethene	120%	113%	61%-145%	Both-Yes
trichloroethene	111%	104%	71%-120%	Both-Yes
chlorobenzene	125%	121%	75%-130%	Both-Yes

	MS Recovery	MSD Recovery
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Date: 12/10/2001

1,1-dichloroethene	131%	126%	61%-145%	Both-Yes
trichloroethene	106%	100%	71%-120%	Both-Yes
chlorobenzene	120%	118%	75%-130%	Both-Yes

Date: 12/11/2001

1,1-dichloroethene	134%	126%	61%-145%	Both-Yes
trichloroethene	112%	106%	71%-120%	Both-Yes
chlorobenzene	124%	117%	75%-130%	Both-Yes

Field Blank ID : Field Blank-8

Trip Blank ID : Trip Blank-8

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *Paul W. Watts* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29095

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/29/01
11/30/01

Analysis Date : 12/11/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/11/2001				
1,1-dichloroethene	120%	113%	61%-145%	Both-Yes
trichloroethene	111%	104%	71%-120%	Both-Yes
chlorobenzene	125%	121%	75%-130%	Both-Yes

	MS Recovery	MSD Recovery		
Date: 12/11/2001				
1,1-dichloroethene	134%	126%	61%-145%	Both-Yes
trichloroethene	112%	106%	71%-120%	Both-Yes
chlorobenzene	124%	117%	75%-130%	Both-Yes

Field Blank ID : Field Blank-12

Trip Blank ID : Trip Blank-12

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *AM W White* 2/14/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 823398

Prepared By: C. Joe

Date : 3-Jan-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29097

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ?

☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 11/29/01

Analysis Date : 12/7/01

12/8/01

12/9/01

12/13/01

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 12/08/2001				
1,1-dichloroethene	77%	73%	61%-145%	Both-Yes
trichloroethene	108%	106%	71%-120%	Both-Yes
chlorobenzene	112%	107%	75%-130%	Both-Yes
Date: 12/09/2001				
1,1-dichloroethene	72%	67%	61%-145%	Both-Yes
trichloroethene	103%	100%	71%-120%	Both-Yes
chlorobenzene	103%	101%	75%-130%	Both-Yes
Date: 12/13/2001				
1,1-dichloroethene	61%	78%	61%-145%	Both-Yes
trichloroethene	94%	112%	71%-120%	Both-Yes
chlorobenzene	107%	115%	75%-130%	Both-Yes

Field Blank ID : Field Blank-11

Trip Blank ID : Trip Blank-11

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *M W Wadsworth* 2/1/02

Data Validation Worksheet

Project Name : Varian Medical Systems, Inc

IT Job Number : 828217

Prepared By: D. Wattles

Date : 11-Feb-02

Analyte Group : Volatile Organic Compounds

Analytical Method : EPA 8260B

Laboratory ID No. : 29554

Chain of Custody Included in Data Package ?

☒ Yes ☐ No

Is it Complete ? ☒ Yes ☐ No

Allowable Holding Time : 14 Days

Sample Collection Date : 01/10/02
01/11/02

Analysis Date : 1/21/02
1/22/02
1/23/02

Surrogate Recovery

Surrogate Allowable Ranges:

Surrogate : 4-Bromofluorobenzene: 86%-115%

Surrogate : 1,2-Dichlorobenzene-D4: 80%-120%

Are all % recoveries within the allowable range ? ☒ Yes ☐ No

If No, List sample ID where range was exceeded:

Laboratory Control Samples

Analyte:	LCS Recovery	LSCD Recovery	Allowable Range	Within Allowable Range ?
Date: 1/21/2002				
1,1-dichloroethene	108%	106%	61%-145%	Both-Yes
trichloroethene	106%	103%	71%-120%	Both-Yes
chlorobenzene	109%	107%	75%-130%	Both-Yes
Date: 1/25/2001				
1,1-dichloroethene	124%	131%	61%-145%	Both-Yes
trichloroethene	117%	120%	71%-120%	Both-Yes
chlorobenzene	118%	121%	75%-130%	Both-Yes

Field Blank ID : Field Blank

Trip Blank ID : Trip Blank

Were any compounds identified in the method blank, field blank or trip blank above detection limits ?

Yes ☒ No

If so, list Sample ID/Compound/Concentration/Units

Reviewed By: *DM Wattles* 2/27/02

APPENDIX E

WATER QUALITY ANALYTICAL REPORTS



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton, MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29092
Client Identification: Varian Beverly 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/25/01

Date

9

of pages (excluding cover letter)



Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 3

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments (other than thermal preservation)
29092.01	CL4-DO	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.02	CL4-BR	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.03	W-3	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.04	HA-3	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.05	STRHA-3	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.06	W-1	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.07	STR-4	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.08	CL10-BR	11/30/01	11/29/01	aqueous		3° C	Adheres to SAP
29092.09	CL10-DO	11/30/01	11/29/01	aqueous		3° C	Adheres to SAP
29092.1	CL10-S	11/30/01	11/29/01	aqueous		3° C	Adheres to SAP
29092.11	MW-34	11/30/01	11/28/01	aqueous		3° C	Adheres to SAP
29092.12	Field Blank-8	11/30/01	11/29/01	aqueous		3° C	Adheres to SAP
29092.13	Trip Blank-8	11/30/01	11/29/01	aqueous		3° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	CL4-DO	CL4-BR	W-3	HA-3	STRHA-3	W-1	STR-4
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/9/01	12/9/01	12/9/01	12/9/01	12/9/01	12/11/01	12/9/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	5	< 2	< 2	10	< 2	2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	3	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	2	< 2	< 2	< 2
1,1-Dichloroethane	4	< 2	3	3	< 2	2	< 2
cis-1,2-Dichloroethene	13	23	24	11	28	89	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	8	27	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	30	180	10	20	60	83	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	37	< 2	< 2	22	39	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	88 %R	86 %R	89 %R	88 %R	88 %R	86 %R	88 %R
1,2-Dichlorobenzene-D4 (surr)	114 %R	114 %R	115 %R	112 %R	112 %R	110 %R	115 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	CL10-BR	CL10-DO	CL10-S	MW-34	Field Blank-8	Trip Blank-8
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01	11/29/01	11/28/01	11/29/01	11/29/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/10/01	12/12/01	12/11/01	12/10/01	12/9/01	12/9/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	100	100	1	10	1	1
Chloromethane	< 200	< 200	< 10	< 20	< 10	< 10
Vinyl chloride	< 200	< 200	< 2	70	< 2	< 2
Bromomethane	< 200	< 200	< 10	< 20	< 10	< 10
Chloroethane	< 500	< 500	< 10	< 50	< 10	< 10
Trichlorofluoromethane	< 200	< 200	< 2	< 20	< 2	< 2
1,1-Dichloroethene	< 100	< 100	< 1	50	< 1	< 1
Methylene chloride	< 500	< 500	< 5	< 50	< 5	< 5
trans-1,2-Dichloroethene	< 100	< 100	< 2	< 10	< 2	< 2
1,1-Dichloroethane	< 100	< 100	< 2	30	< 2	< 2
cis-1,2-Dichloroethene	1900	100	< 2	1800	< 2	< 2
Chloroform	< 100	< 100	< 2	< 10	< 2	< 2
1,1,1-Trichloroethane	< 100	< 100	< 2	< 10	< 2	< 2
Carbon tetrachloride	< 100	< 100	< 2	< 10	< 2	< 2
1,2-Dichloroethane	< 100	< 100	< 2	< 10	< 2	< 2
Trichloroethene	5600	7400	< 2	740	< 2	< 2
1,2-Dichloropropane	< 100	< 100	< 2	< 10	< 2	< 2
Bromodichloromethane	< 100	< 100	< 2	< 10	< 2	< 2
cis-1,3-Dichloropropene	< 100	< 100	< 2	< 10	< 2	< 2
trans-1,3-Dichloropropene	< 100	< 100	< 2	< 10	< 2	< 2
1,1,2-Trichloroethane	< 100	< 100	< 2	< 10	< 2	< 2
Tetrachloroethene	2200	7500	13	70	< 2	< 2
Dibromochloromethane	< 100	< 100	< 2	< 10	< 2	< 2
Chlorobenzene	< 100	< 100	< 2	< 10	< 2	< 2
Bromoform	< 200	< 200	< 2	< 20	< 2	< 2
1,1,2,2-Tetrachloroethane	< 100	< 100	< 2	< 10	< 2	< 2
4-Bromofluorobenzene (sum)	86 %R	86 %R	89 %R	89 %R	89 %R	88 %R
1,2-Dichlorobenzene-D4 (sum)	114 %R	113 %R	118 %R	109 %R	113 %R	116 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	MS/MSD Parent	Matrix Spike	MSD	Units	Method
Chloromethane				ug/l 12/10/01	8260B
Vinyl chloride				ug/l 12/10/01	8260B
Bromomethane				ug/l 12/10/01	8260B
Chloroethane				ug/l 12/10/01	8260B
Trichlorofluoromethane				ug/l 12/10/01	8260B
1,1-Dichloroethene	< 1	26 (131 %R)	25 (126 %R) (4 RPD)	ug/l 12/10/01	8260B
Methylene chloride				ug/l 12/10/01	8260B
trans-1,2-Dichloroethene				ug/l 12/10/01	8260B
1,1-Dichloroethane				ug/l 12/10/01	8260B
cis-1,2-Dichloroethene				ug/l 12/10/01	8260B
Chloroform				ug/l 12/10/01	8260B
1,1,1-Trichloroethane				ug/l 12/10/01	8260B
Carbon tetrachloride				ug/l 12/10/01	8260B
1,2-Dichloroethane				ug/l 12/10/01	8260B
Trichloroethene	20	41 (106 %R)	40 (100 %R) (6 RPD)	ug/l 12/10/01	8260B
1,2-Dichloropropane				ug/l 12/10/01	8260B
Bromodichloromethane				ug/l 12/10/01	8260B
cis-1,3-Dichloropropene				ug/l 12/10/01	8260B
trans-1,3-Dichloropropene				ug/l 12/10/01	8260B
1,1,2-Trichloroethane				ug/l 12/10/01	8260B
Tetrachloroethene				ug/l 12/10/01	8260B
Dibromochloromethane				ug/l 12/10/01	8260B
Chlorobenzene	< 2	24 (120 %R)	24 (118 %R) (2 RPD)	ug/l 12/10/01	8260B
Bromoform				ug/l 12/10/01	8260B
1,1,2,2-Tetrachloroethane				ug/l 12/10/01	8260B
4-Bromofluorobenzene (surr)	88 %R	88 %R	87 %R	ug/l 12/10/01	8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	96 %R	98 %R	ug/l 12/10/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	MS/MSD		MSD	Date of Analysis		Method
		Parent	Matrix Spike		Units		
Chloromethane	< 10				ug/l	12/11/01	8260B
Vinyl chloride	< 2				ug/l	12/11/01	8260B
Bromomethane	< 10				ug/l	12/11/01	8260B
Chloroethane	< 10				ug/l	12/11/01	8260B
Trichlorofluoromethane	< 2				ug/l	12/11/01	8260B
1,1-Dichloroethene	< 1	< 1	28 (134 %R)	26 (126 %R) (6 RPD)	ug/l	12/11/01	8260B
Methylene chloride	< 5				ug/l	12/11/01	8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/11/01	8260B
1,1-Dichloroethane	< 2				ug/l	12/11/01	8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/11/01	8260B
Chloroform	< 2				ug/l	12/11/01	8260B
1,1,1-Trichloroethane	< 2				ug/l	12/11/01	8260B
Carbon tetrachloride	< 2				ug/l	12/11/01	8260B
1,2-Dichloroethane	< 2				ug/l	12/11/01	8260B
Trichloroethene	< 2	17	39 (112 %R)	38 (106 %R) (6 RPD)	ug/l	12/11/01	8260B
1,2-Dichloropropane	< 2				ug/l	12/11/01	8260B
Bromodichloromethane	< 2				ug/l	12/11/01	8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/11/01	8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/11/01	8260B
1,1,2-Trichloroethane	< 2				ug/l	12/11/01	8260B
Tetrachloroethene	< 2				ug/l	12/11/01	8260B
Dibromochloromethane	< 2				ug/l	12/11/01	8260B
Chlorobenzene	< 2	< 2	25 (124 %R)	23 (117 %R) (6 RPD)	ug/l	12/11/01	8260B
Bromoform	< 2				ug/l	12/11/01	8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/11/01	8260B
4-Bromofluorobenzene (surr)	88 %R	93 %R	93 %R	89 %R	ug/l	12/11/01	8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	109 %R	99 %R	99 %R	ug/l	12/11/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/11/01 8260B
Vinyl chloride	< 2			ug/l	12/11/01 8260B
Bromomethane	< 10			ug/l	12/11/01 8260B
Chloroethane	< 10			ug/l	12/11/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/11/01 8260B
1,1-Dichloroethene	< 1	24 (120 %R)	23 (113 %R) (6 RPD)	ug/l	12/11/01 8260B
Methylene chloride	< 5			ug/l	12/11/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/11/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/11/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/11/01 8260B
Chloroform	< 2			ug/l	12/11/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/11/01 8260B
Carbon tetrachloride	< 2			ug/l	12/11/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/11/01 8260B
Trichloroethene	< 2	22 (111 %R)	21 (104 %R) (7 RPD)	ug/l	12/11/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/11/01 8260B
Bromodichloromethane	< 2			ug/l	12/11/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/11/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/11/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/11/01 8260B
Tetrachloroethene	< 2			ug/l	12/11/01 8260B
Dibromochloromethane	< 2			ug/l	12/11/01 8260B
Chlorobenzene	< 2	25 (125 %R)	24 (121 %R) (3 RPD)	ug/l	12/11/01 8260B
Bromoform	< 2			ug/l	12/11/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/11/01 8260B
4-Bromofluorobenzene (surr)	90 %R	91 %R	87 %R	ug/l	12/11/01 8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	100 %R	96 %R	ug/l	12/11/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29092

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B
Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120
Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drinking W. WW - Wastewater Other	# of Containers	☐ 524.2 ☐ BTEX only ☐ MTBE only ☐ 8260B ☐ Oxygenates ☐ 8260B plus TICS ☐ 624 ☐ 8021B ☐ 8021B-Halos ☐ 8021B-Aromatics ☐ 601/602 ☐ 601 ☐ 602 ☐ Methane Only ☐ Methane & Ethane/Ethane ☐ MA VPH ☐ ME GRO ☐ 8015 GRO ☐ MA EPH ☐ PAH 8270 ☐ TPH Fingerprint ☐ LI ☐ LI ☐ ME DRO ☐ 8015B DRO ☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ TICS ☐ Pesticides/PCBs ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (List Below) ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ FOC ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ ☐ pH ☐ Spec. Con. ☐ BOD ☐ T. Alk ☐ Carb. Alk ☐ BI. Alk ☐ TKN ☐ NH ₃ ☐ T. Phos. ☐ COD ☐ TOC ☐ Phends ☐ Oil & Grease ☐ TPH Method 1664 ☐ Cyanide ☐ Sulfide ☐ Flash ☐ Ignit ☐ React CN ☐ React S ₂ ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F Strep TCLP ☐ Metals ☐ VOC ☐ ABN ☐ Herbicides ☐ Pesticides
1	CLY-D0	11/28/01 13:45	GW	2	
2	CLY-BR	11/28/01 13:25		2	
3	LU-3	11/28/01 14:40		2	
4	HA-3	11/28/01 14:00		2	
5	STRHA-3	11/28/01 14:10		2	
6	LU-2	11/28/01 14:40		2	
7	STR-4	11/28/01 14:25		2	
8	CL10-BR	11/29/01 10:15		2	
9	CL10-D0	11/29/01 10:00		2	
10	CL10-S	11/29/01 09:45		2	

PRESERVATIVE: H-HCl; N-HNO₃; S-H₂SO₄; Na-NaOH; M-MEON

PROJECT MANAGER: Karen Brody
 COMPANY: IT Corporation
 ADDRESS: 88C Elm Street
 CITY: Hopkinton STATE: MA ZIP: 01748
 PHONE: (508) 497-6101 EXT: _____
 FAX: (508) 435-9641
 E-MAIL: kbrody@theitgroup.com
 SITE NAME: Varian Beverly
 PROJECT #: 823398-03
 STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

EPA 8021B - Site Specific List

NOTES: (i.e., Special Detection Limits, Billing Info, if different)

COOLER #8

☐ 8 RCRA Metals ☐ Fe, Mn ☐ 13 PP Metals
 Other Metals _____
 Dissolved Metals Field Filtered? ☐ Yes ☐ No

RESULTS NEEDED BY

(enter preferred date): _____

(Guaranteed rapid turnaround needs pre-approval)

QA/QC Reporting Level

☐ A ☒ B ☐ C

Reporting Options:

☐ Hard Copy ☒ Fax

Electronic:

☒ E-Mail ☐ Disk

FOR LAB USE ONLY

Adhered to EPA Protocol

☐ Yes ☐ No (see attached)

Temp. _____ °C

Ice: ☒ Yes ☐ No

Custody Seal Intact?

☐ Yes ☐ No

Quote # _____

P.O. # 172451

cjoe@

theitgroup.com

Sampler(s): Sean Neuber

Relinquished by

Relinquished by

Relinquished by

Relinquished by

Relinquished by

Relinquished by

11/29/01 12:30

11/29/01 12:30

11/29/01 12:30

11/29/01 12:30

11/29/01 12:30

(WHITE: Original YELLOW: Lab Files PINK: Project manager)

REQUESTED ANALYSES

(WHITE: Original YELLOW: Lab Files PINK: Project manager)



EAI's Sample Acceptance Policy

NELAC certification standards require that laboratories establish a Sample Acceptance Policy (SAP) and inform customers of this policy. NELAC further requires that laboratories document any deviations of the SAP on the final report. It is the responsibility of Eastern Analytical, Inc. to notify customers immediately of any deviations. All correspondence and communication regarding deviations become part of the case file.

Upon receipt in the laboratory, samples will be inspected according to the following EAI SAP criteria:

1. Completeness of COC documentation including but not limited to:
 - a. Sample collector
 - b. Date and time of collection
 - c. Unique sample identification
 - d. Sample matrix
 - e. Preservation method
 - f. Any special notes regarding the sample
2. Integrity of sample label
3. Use of indelible ink
4. Proper sample container types
5. Proper chemical preservation
6. Proper thermal preservation
All samples requiring thermal preservation should arrive at the laboratory packed in ice.
7. Presence of headspace in VOC vials
8. Adherence to holding time
9. Adequate sample volume
10. Integrity of sample containers
11. Integrity and quantity of custody seals, if applicable.



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29091
Client Identification: Varian Beverly 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/17/01

Date

10

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29091 ITCNor29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 4

Adheres to thermal preservation SAP (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29091.01	RW-1	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.02	RW-2	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.03	RW-3	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.04	RW-4	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.05	RW-5	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.06	RW-17	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.07	RW-22	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.08	Field Blank-1	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP
29091.09	Trip Blank-1	11/30/01	11/30/01	aqueous		4° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varlan Beverly 823398-03

Sample ID:	RW-1	RW-2	RW-3	RW-4	RW-5	RW-17	RW-22
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/13/01	12/8/01	12/9/01	12/9/01	12/13/01	12/8/01	12/8/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	10	100	1000	1000	10	100	100
Chloromethane	< 20	< 200	< 2000	< 2000	< 20	< 200	< 200
Vinyl chloride	30	< 200	< 2000	< 2000	250	< 200	< 200
Bromomethane	< 20	< 200	< 2000	< 2000	< 20	< 200	< 200
Chloroethane	< 50	< 500	< 5000	< 5000	< 50	< 500	< 500
Trichlorofluoromethane	< 20	< 200	< 2000	< 2000	< 20	< 200	< 200
1,1-Dichloroethene	< 10	< 100	< 1000	< 1000	20	< 100	< 100
Methylene chloride	< 50	< 500	< 5000	< 5000	< 50	< 500	< 500
trans-1,2-Dichloroethene	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
1,1-Dichloroethane	< 10	< 100	< 1000	< 1000	40	< 100	< 100
cis-1,2-Dichloroethene	320	100	6000	5000	820	1000	3900
Chloroform	< 10	200	< 1000	< 1000	< 10	< 100	< 100
1,1,1-Trichloroethane	< 10	400	< 1000	6000	40	< 100	< 100
Carbon tetrachloride	< 10	100	< 1000	< 1000	< 10	< 100	< 100
1,2-Dichloroethane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
Trichloroethene	2700	160000	56000	290000	370	30000	2900
1,2-Dichloropropane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
Bromodichloromethane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
cis-1,3-Dichloropropene	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
trans-1,3-Dichloropropene	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
1,1,2-Trichloroethane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
Tetrachloroethene	4100	92000	38000	120000	100	6600	600
Dibromochloromethane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
Chlorobenzene	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
Bromoform	< 20	< 200	< 2000	< 2000	< 20	< 200	< 200
1,1,2,2-Tetrachloroethane	< 10	< 100	< 1000	< 1000	< 10	< 100	< 100
4-Bromofluorobenzene (surr)	98 %R	101 %R	99 %R	101 %R	100 %R	100 %R	99 %R
1,2-Dichlorobenzene-D4 (surr)	103 %R	101 %R	101 %R	99 %R	101 %R	103 %R	102 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	Field Blank-1	Trip Blank-1
Analytical Type:	Sample	Sample
Matrix:	aqueous	aqueous
Date Sampled:	11/30/01	11/30/01
Date Received:	11/30/01	11/30/01
Units:	ug/l	ug/l
Date of Analysis:	12/7/01	12/7/01
Analyst:	JDS	JDS
Method:	8260B	8260B
Dilution Factor:	1	1
Chloromethane	< 10	< 10
Vinyl chloride	< 2	< 2
Bromomethane	< 10	< 10
Chloroethane	< 10	< 10
Trichlorofluoromethane	< 2	< 2
1,1-Dichloroethene	< 1	< 1
Methylene chloride	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Bromodichloromethane	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
Tetrachloroethene	< 2	< 2
Dibromochloromethane	< 2	< 2
Chlorobenzene	< 2	< 2
Bromoform	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
4-Bromofluorobenzene (surr)	99 %R	99 %R
1,2-Dichlorobenzene-D4 (surr)	100 %R	99 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

RW-1: The values for Trichloroethene and Tetrachloroethene were obtained on 12/8/01 at a dilution factor of 100.
RW-2: The values for Trichloroethene and Tetrachloroethene were obtained on 12/11/01 at a dilution factor of 1000.
RW-4: The value for Trichloroethene was obtained on 12/12/01 at a dilution factor of 10000.
RW-17: The value for Trichloroethene was obtained on 12/13/01 at a dilution factor of 10000.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varlan Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/8/01 8260B
Vinyl chloride	< 2			ug/l	12/8/01 8260B
Bromomethane	< 10			ug/l	12/8/01 8260B
Chloroethane	< 10			ug/l	12/8/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethene	< 1	15 (77 %R)	15 (73 %R) (5 RPD)	ug/l	12/8/01 8260B
Methylene chloride	< 5			ug/l	12/8/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/8/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
Chloroform	< 2			ug/l	12/8/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/8/01 8260B
Carbon tetrachloride	< 2			ug/l	12/8/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/8/01 8260B
Trichloroethene	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	ug/l	12/8/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/8/01 8260B
Bromodichloromethane	< 2			ug/l	12/8/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/8/01 8260B
Tetrachloroethene	< 2			ug/l	12/8/01 8260B
Dibromochloromethane	< 2			ug/l	12/8/01 8260B
Chlorobenzene	< 2	22 (112 %R)	21 (107 %R) (5 RPD)	ug/l	12/8/01 8260B
Bromoform	< 2			ug/l	12/8/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/8/01 8260B
4-Bromofluorobenzene (surr)	99 %R	102 %R	100 %R	ug/l	12/8/01 8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	100 %R	98 %R	ug/l	12/8/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Chloromethane	< 10			ug/l	12/9/01	8260B
Vinyl chloride	< 2			ug/l	12/9/01	8260B
Bromomethane	< 10			ug/l	12/9/01	8260B
Chloroethane	< 10			ug/l	12/9/01	8260B
Trichlorofluoromethane	< 2			ug/l	12/9/01	8260B
1,1-Dichloroethene	< 1	14 (72 %R)	13 (67 %R) (7 RPD)	ug/l	12/9/01	8260B
Methylene chloride	< 5			ug/l	12/9/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/9/01	8260B
1,1-Dichloroethane	< 2			ug/l	12/9/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/9/01	8260B
Chloroform	< 2			ug/l	12/9/01	8260B
1,1,1-Trichloroethane	< 2			ug/l	12/9/01	8260B
Carbon tetrachloride	< 2			ug/l	12/9/01	8260B
1,2-Dichloroethane	< 2			ug/l	12/9/01	8260B
Trichloroethene	< 2	21 (103 %R)	20 (100 %R) (3 RPD)	ug/l	12/9/01	8260B
1,2-Dichloropropane	< 2			ug/l	12/9/01	8260B
Bromodichloromethane	< 2			ug/l	12/9/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/9/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/9/01	8260B
1,1,2-Trichloroethane	< 2			ug/l	12/9/01	8260B
Tetrachloroethene	< 2			ug/l	12/9/01	8260B
Dibromochloromethane	< 2			ug/l	12/9/01	8260B
Chlorobenzene	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	ug/l	12/9/01	8260B
Bromoform	< 2			ug/l	12/9/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/9/01	8260B
4-Bromofluorobenzene (surr)	100 %R	99 %R	98 %R	ug/l	12/9/01	8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	103 %R	99 %R	ug/l	12/9/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	MS/MSD Parent	Matrix Spike	MSD	Units	Method
Dichlorodifluoromethane	< 5				ug/l	12/13/01 8021Bmod
Chloromethane	< 5				ug/l	12/13/01 8021Bmod
Vinyl chloride	< 2				ug/l	12/13/01 8021Bmod
Bromomethane	< 2				ug/l	12/13/01 8021Bmod
Chloroethane	< 5				ug/l	12/13/01 8021Bmod
Trichlorofluoromethane	< 5				ug/l	12/13/01 8021Bmod
1,1-Dichloroethene	< 1	< 1	26 (130 %R)	23 (117 %R) (11 RPD)	ug/l	12/13/01 8021Bmod
Methylene chloride	< 5				ug/l	12/13/01 8021Bmod
trans-1,2-Dichloroethene	< 2				ug/l	12/13/01 8021Bmod
1,1-Dichloroethane	< 2				ug/l	12/13/01 8021Bmod
cis-1,2-Dichloroethene	< 2				ug/l	12/13/01 8021Bmod
Chloroform	< 2				ug/l	12/13/01 8021Bmod
1,1,1-Trichloroethane	< 2				ug/l	12/13/01 8021Bmod
Carbon tetrachloride	< 2				ug/l	12/13/01 8021Bmod
1,2-Dichloroethane	< 2				ug/l	12/13/01 8021Bmod
Trichloroethene	< 2	< 2	23 (113 %R)	22 (109 %R) (4 RPD)	ug/l	12/13/01 8021Bmod
1,2-Dichloropropane	< 2				ug/l	12/13/01 8021Bmod
Bromodichloromethane	< 2				ug/l	12/13/01 8021Bmod
cis-1,3-Dichloropropene	< 2				ug/l	12/13/01 8021Bmod
trans-1,3-Dichloropropene	< 2				ug/l	12/13/01 8021Bmod
1,1,2-Trichloroethane	< 2				ug/l	12/13/01 8021Bmod
Tetrachloroethene	< 2				ug/l	12/13/01 8021Bmod
Dibromochloromethane	< 2				ug/l	12/13/01 8021Bmod
Chlorobenzene	< 2	< 2	23 (117 %R)	23 (113 %R) (3 RPD)	ug/l	12/13/01 8021Bmod
Bromoform	< 2				ug/l	12/13/01 8021Bmod
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/13/01 8021Bmod
1,3-Dichlorobenzene	< 1				ug/l	12/13/01 8021Bmod
1,4-Dichlorobenzene	< 1				ug/l	12/13/01 8021Bmod
1,2-Dichlorobenzene	< 1				ug/l	12/13/01 8021Bmod
Methyl-t-butyl ether(MTBE)	< 5				ug/l	12/13/01 8021Bmod
Benzene	< 1	< 1	22 (109 %R)	20 (102 %R) (7 RPD)	ug/l	12/13/01 8021Bmod
Toluene	< 1	< 1	23 (114 %R)	22 (110 %R) (4 RPD)	ug/l	12/13/01 8021Bmod
Ethylbenzene	< 1				ug/l	12/13/01 8021Bmod
mp-Xylene	< 1				ug/l	12/13/01 8021Bmod
o-Xylene	< 1				ug/l	12/13/01 8021Bmod
Naphthalene	< 5				ug/l	12/13/01 8021Bmod
4-Bromofluorobenzene (surr)	90 %R	92 %R	97 %R	98 %R	ug/l	12/13/01 8021Bmod
1,2-Dichlorobenzene-D4 (surr)	108 %R	112 %R	96 %R	97 %R	ug/l	12/13/01 8021Bmod



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/13/01 8260B
Vinyl chloride	< 2			ug/l	12/13/01 8260B
Bromomethane	< 10			ug/l	12/13/01 8260B
Chloroethane	< 10			ug/l	12/13/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/13/01 8260B
1,1-Dichloroethene	< 1	12 (61 %R)	16 (78 %R) (24 RPD)	ug/l	12/13/01 8260B
Methylene chloride	< 5			ug/l	12/13/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/13/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/13/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/13/01 8260B
Chloroform	< 2			ug/l	12/13/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/13/01 8260B
Carbon tetrachloride	< 2			ug/l	12/13/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/13/01 8260B
Trichloroethene	< 2	19 (94 %R)	22 (112 %R) (17 RPD)	ug/l	12/13/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/13/01 8260B
Bromodichloromethane	< 2			ug/l	12/13/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/13/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/13/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/13/01 8260B
Tetrachloroethene	< 2			ug/l	12/13/01 8260B
Dibromochloromethane	< 2			ug/l	12/13/01 8260B
Chlorobenzene	< 2	21 (107 %R)	23 (115 %R) (7 RPD)	ug/l	12/13/01 8260B
Bromoform	< 2			ug/l	12/13/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/13/01 8260B
4-Bromofluorobenzene (surr)	97 %R	98 %R	98 %R	ug/l	12/13/01 8260B
1,2-Dichlorobenzene-D4 (surr)	101 %R	104 %R	105 %R	ug/l	12/13/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29091

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W SW - Surface W DW - Ditching W WW - Waste W ☐ Other	G-Grab, C-Comp ☐ 8260B ☐ 824.2 ☐ 624 ☐ 8260B plus 10 TICs ☐ 8021B ☐ 801 / 802 ☐ 8021B-Halbs (8010 list) ☐ 601 ☐ 8021B-BTEX (8020 list) ☐ 602 ☐ MA VPH ☐ ME GRO ☐ 8015B GRO ☐ MA EPH ☐ ME DRO ☐ 8015B DRO TPH Fingerprint ☐ I ☐ LI ☐ LIII ☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ PAH ☐ 8081/8082 ☐ 608 ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (list below) TCMP METALS (LIST BELOW) ☐ TSS ☐ TDS ☐ TS ☐ OF ☐ Cl ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ ☐ pH ☐ Spec. Con. ☐ BOD ☐ T. Alk ☐ Carb. Alk ☐ B. Alk ☐ TKN ☐ NH ₃ ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH (list method below) ☐ CN ☐ Flash ☐ Ignit ☐ React CN ☐ React S ₂ ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F. Strip	# of Containers	NOTES Tenaxtube #s MEOH Vial #
1	RW-1	11-30/0835	GW	2		
2	RW-2	11-30/1050		2		
3	RW-3	11-30/0845		2		
4	RW-4	11-30/0855		2		
5	RW-5	11-30/0905		2		
6	RW-17	11-30/0915		2		
7	RW-22	11-30/1040		2		
8	Field Blank-1	11-30/0930		2		
9	Trip Blank-1	11-30/0930		1		
PRESERVATIVE: H-HCl; N-HNO ₃ ; S-H ₂ SO ₄ ; Na-NaOH; M-MEON						

NOTES: (i.e., Special Detection Limits, Billing Info. if different)

COOLER #1

EPA 8021B - Site Specific List

PROJECT MANAGER: Karen Brody
COMPANY: IT Corporation
ADDRESS: 88C Elm Street
CITY: Hopkinton STATE: MA ZIP: 01748
PHONE: (508) 497-6101 EXT: _____
FAX: (508) 435-9641
E-MAIL: kbrody@theitgroup.com
SITE NAME: Varian Beverly
PROJECT #: 823398-03
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER
☐ Site historically contaminated

RESULTS NEEDED BY

(enter preferred date):
(Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☒ B ☐ C

Reporting Options:
☐ Hard Copy ☒ Fax
Electronic:
☒ E-Mail ☐ Disk

FOR LAB USE ONLY
Adhered to EPA Protocol
Yes ☐ No ☐ (see attached)
Temp. 4 °C
Ice: ☒ Yes ☐ No

Quote #

P.O. # 172451

cjoe@theitgroup.com

Sampler(s):

Var Swager, Wayne Holt

Relinquished by

11/30/08 12:30 PM

Received by

Relinquished by

11/30/08 2:40 PM

Received by

Relinquished by

Date

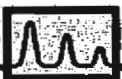
Time

Received by

(WHITE: Original

YELLOW: Lab Files

PINK: Project manager)



EAI's Sample Acceptance Policy

NELAC certification standards require that laboratories establish a Sample Acceptance Policy (SAP) and inform customers of this policy. NELAC further requires that laboratories document any deviations of the SAP on the final report. It is the responsibility of Eastern Analytical, Inc. to notify customers immediately of any deviations. All correspondence and communication regarding deviations become part of the case file.

Upon receipt in the laboratory, samples will be inspected according to the following EAI SAP criteria:

1. Completeness of COC documentation including but not limited to:
 - a. Sample collector
 - b. Date and time of collection
 - c. Unique sample identification
 - d. Sample matrix
 - e. Preservation method
 - f. Any special notes regarding the sample
2. Integrity of sample label
3. Use of indelible ink
4. Proper sample container types
5. Proper chemical preservation
6. Proper thermal preservation
All samples requiring thermal preservation should arrive at the laboratory packed in ice.
7. Presence of headspace in VOC vials
8. Adherence to holding time
9. Adequate sample volume
10. Integrity of sample containers
11. Integrity and quantity of custody seals, if applicable.



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29043
Client Identification: Varian Beverly 823398-03
Date Received: 11/28/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

Date

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29043 ITCNor29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 6

Adheres to thermal preservation SAP (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29043.01	MW-5	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.02	MW-8	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.03	MW-9A	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.04	B-3	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.05	STR-1	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.06	STR-3	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.07	Field Blank-7	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29043.08	Trip Blank-7	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	MW-5	MW-8	MW-9A	B-3	STR-1	STR-3	Field Blank-7
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/12/01	12/12/01	12/7/01	12/11/01	12/7/01	12/10/01	12/7/01
Analyst:	JDS	JDS	RLB	RLB	RLB	RLB	RLB
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	10	1	1	1
Chloromethane	< 10	< 10	< 10	< 20	< 10	< 10	< 10
Vinyl chloride	34	45	16	< 20	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 20	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 50	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 20	< 2	< 2	< 2
1,1-Dichloroethene	5	< 1	2	< 10	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 50	< 5	< 5	< 5
trans-1,2-Dichloroethene	3	< 2	< 2	< 10	< 2	< 2	< 2
1,1-Dichloroethane	6	< 2	< 2	< 10	< 2	< 2	< 2
cis-1,2-Dichloroethene	840	8	300	< 10	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 10	< 2	< 2	< 2
1,1,1-Trichloroethane	68	< 2	< 2	660	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 10	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
Trichloroethene	690	6	500	40	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 10	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 10	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
Tetrachloroethene	700	9	2200	250	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 10	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 20	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 10	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	101 %R	99 %R	98 %R	91 %R	102 %R	101 %R	98 %R
1,2-Dichlorobenzene-D4 (surr)	101 %R	103 %R	101 %R	105 %R	110 %R	104 %R	109 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID: Trip Blank-7

Analytical Type: Sample

Matrix: aqueous

Date Sampled: 11/28/01

Date Received: 11/28/01

Units: ug/l

Date of Analysis: 12/7/01

Analyst: RLB

Method: 8260B

Dilution Factor: 1

Chloromethane < 10

Vinyl chloride < 2

Bromomethane < 10

Chloroethane < 10

Trichlorofluoromethane < 2

1,1-Dichloroethene < 1

Methylene chloride < 5

trans-1,2-Dichloroethene < 2

1,1-Dichloroethane < 2

cis-1,2-Dichloroethene < 2

Chloroform < 2

1,1,1-Trichloroethane < 2

Carbon tetrachloride < 2

1,2-Dichloroethane < 2

Trichloroethene < 2

1,2-Dichloropropane < 2

Bromodichloromethane < 2

cis-1,3-Dichloropropene < 2

trans-1,3-Dichloropropene < 2

1,1,2-Trichloroethane < 2

Tetrachloroethene < 2

Dibromochloromethane < 2

Chlorobenzene < 2

Bromoform < 2

1,1,2,2-Tetrachloroethane < 2

4-Bromofluorobenzene (surr) 100 %R

1,2-Dichlorobenzene-D4 (surr) 98 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

MW-5: The values for cis-1,2-dichloroethene, trichloroethene and tetrachloroethene were obtained on 12/11/01 at a dilution factor of 10.

MW-9A: The values for cis-1,2-dichloroethene, trichloroethene and tetrachloroethene were obtained on 12/10/01 at a dilution factor of 100.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/13/01 8260B
Vinyl chloride	< 2			ug/l	12/13/01 8260B
Bromomethane	< 10			ug/l	12/13/01 8260B
Chloroethane	< 10			ug/l	12/13/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/13/01 8260B
1,1-Dichloroethene	< 1	12 (61 %R)	16 (78 %R) (24 RPD)	ug/l	12/13/01 8260B
Methylene chloride	< 5			ug/l	12/13/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/13/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/13/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/13/01 8260B
Chloroform	< 2			ug/l	12/13/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/13/01 8260B
Carbon tetrachloride	< 2			ug/l	12/13/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/13/01 8260B
Trichloroethene	< 2	19 (94 %R)	22 (112 %R) (17 RPD)	ug/l	12/13/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/13/01 8260B
Bromodichloromethane	< 2			ug/l	12/13/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/13/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/13/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/13/01 8260B
Tetrachloroethene	< 2			ug/l	12/13/01 8260B
Dibromochloromethane	< 2			ug/l	12/13/01 8260B
Chlorobenzene	< 2	21 (107 %R)	23 (115 %R) (7 RPD)	ug/l	12/13/01 8260B
Bromoform	< 2			ug/l	12/13/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/13/01 8260B
4-Bromofluorobenzene (surr)	97 %R	98 %R	98 %R	ug/l	12/13/01 8260B
1,2-Dichlorobenzene-D4 (surr)	101 %R	104 %R	105 %R	ug/l	12/13/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l 12/11/01	8260B
Vinyl chloride	< 2			ug/l 12/11/01	8260B
Bromomethane	< 10			ug/l 12/11/01	8260B
Chloroethane	< 10			ug/l 12/11/01	8260B
Trichlorofluoromethane	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethene	< 1	14 (68 %R)	13 (65 %R) (5 RPD)	ug/l 12/11/01	8260B
Methylene chloride	< 5			ug/l 12/11/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethane	< 2			ug/l 12/11/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
Chloroform	< 2			ug/l 12/11/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 12/11/01	8260B
Carbon tetrachloride	< 2			ug/l 12/11/01	8260B
1,2-Dichloroethane	< 2			ug/l 12/11/01	8260B
Trichloroethene	< 2	21 (106 %R)	21 (107 %R) (0 RPD)	ug/l 12/11/01	8260B
1,2-Dichloropropane	< 2			ug/l 12/11/01	8260B
Bromodichloromethane	< 2			ug/l 12/11/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 12/11/01	8260B
Tetrachloroethene	< 2			ug/l 12/11/01	8260B
Dibromochloromethane	< 2			ug/l 12/11/01	8260B
Chlorobenzene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	ug/l 12/11/01	8260B
Bromoform	< 2			ug/l 12/11/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 12/11/01	8260B
4-Bromofluorobenzene (surr)	100 %R	103 %R	101 %R	ug/l 12/11/01	8260B
1,2-Dichlorobenzene-D4 (surr)	104 %R	102 %R	101 %R	ug/l 12/11/01	8260B



LABORATORY REPORT

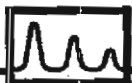
Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	MS/MSD		MSD	Date of Analysis	
		Parent	Matrix Spike		Units	Method
Chloromethane	< 10				ug/l	12/7/01 8260B
Vinyl chloride	< 2				ug/l	12/7/01 8260B
Bromomethane	< 10				ug/l	12/7/01 8260B
Chloroethane	< 10				ug/l	12/7/01 8260B
Trichlorofluoromethane	< 2				ug/l	12/7/01 8260B
1,1-Dichloroethene	< 1	< 1	22 (108 %R) 24 (119 %R) (10 RPD)		ug/l	12/7/01 8260B
Methylene chloride	< 5				ug/l	12/7/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/7/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/7/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/7/01 8260B
Chloroform	< 2				ug/l	12/7/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/7/01 8260B
Carbon tetrachloride	< 2				ug/l	12/7/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/7/01 8260B
Trichloroethene	< 2	< 2	19 (97 %R) 23 (113 %R) (15 RPD)		ug/l	12/7/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/7/01 8260B
Bromodichloromethane	< 2				ug/l	12/7/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/7/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/7/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/7/01 8260B
Tetrachloroethene	< 2				ug/l	12/7/01 8260B
Dibromochloromethane	< 2				ug/l	12/7/01 8260B
Chlorobenzene	< 2	< 2	19 (95 %R) 22 (109 %R) (14 RPD)		ug/l	12/7/01 8260B
Bromoform	< 2				ug/l	12/7/01 8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/7/01 8260B
4-Bromofluorobenzene (surr)	102 %R	102 %R	100 %R	102 %R	ug/l	12/7/01 8260B
1,2-Dichlorobenzene-D4 (surr)	107 %R	110 %R	96 %R	103 %R	ug/l	12/7/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29043

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

REQUESTED ANALYSES

PINK: Project manager)



Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29093
Client Identification: Varian Beverly 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
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TNR: Testing Not Requested
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RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/14/01

Date

5

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29093 ITCNor29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 4

Adheres to thermal preservation SAP (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29093.01	CL1-S	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.02	CL1-DO	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.03	CL1-BR	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.04	CL6-DO	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.05	CL6-BR	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.06	Field Blank-10	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP
29093.07	Trip Blank-10	11/30/01	11/27/01	aqueous		4° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29093

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	CL1-S	CL1-DO	CL1-BR	CL6-DO	CL6-BR	Field Trip Blank-10 Blank-10	Blank-10
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/6/01	12/6/01	12/6/01	12/6/01	12/6/01	12/6/01	12/6/01
Analyst:	RLB	RLB	RLB	RLB	RLB	RLB	RLB
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	17	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	106 %R	106 %R	105 %R	108 %R	101 %R	107 %R	100 %R
1,2-Dichlorobenzene-D4 (surr)	112 %R	105 %R	104 %R	112 %R	112 %R	97 %R	109 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29093

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	MS/MSD		Matrix Spike	MSD	Date of Analysis		Method
	Blank	Parent			Units		
Chloromethane	< 10				ug/l	12/6/01	8260B
Vinyl chloride	< 2				ug/l	12/6/01	8260B
Bromomethane	< 10				ug/l	12/6/01	8260B
Chloroethane	< 10				ug/l	12/6/01	8260B
Trichlorofluoromethane	< 2				ug/l	12/6/01	8260B
1,1-Dichloroethene	< 1	< 1	25 (124 %R)	24 (119 %R) (4 RPD)	ug/l	12/6/01	8260B
Methylene chloride	< 5				ug/l	12/6/01	8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/6/01	8260B
1,1-Dichloroethane	< 2				ug/l	12/6/01	8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/6/01	8260B
Chloroform	< 2				ug/l	12/6/01	8260B
1,1,1-Trichloroethane	< 2				ug/l	12/6/01	8260B
Carbon tetrachloride	< 2				ug/l	12/6/01	8260B
1,2-Dichloroethane	< 2				ug/l	12/6/01	8260B
Trichloroethene	< 2	< 2	22 (111 %R)	22 (110 %R) (1 RPD)	ug/l	12/6/01	8260B
1,2-Dichloropropane	< 2				ug/l	12/6/01	8260B
Bromodichloromethane	< 2				ug/l	12/6/01	8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/6/01	8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/6/01	8260B
1,1,2-Trichloroethane	< 2				ug/l	12/6/01	8260B
Tetrachloroethene	< 2				ug/l	12/6/01	8260B
Dibromochloromethane	< 2				ug/l	12/6/01	8260B
Chlorobenzene	< 2	< 2	20 (102 %R)	21 (107 %R) (5 RPD)	ug/l	12/6/01	8260B
Bromoform	< 2				ug/l	12/6/01	8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/6/01	8260B
4-Bromofluorobenzene (surr)	98 %R	101 %R	101 %R	104 %R	ug/l	12/6/01	8260B
1,2-Dichlorobenzene-D4 (surr)	106 %R	112 %R	112 %R	101 %R	ug/l	12/6/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29093

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

REQUESTED ANALYSES

PROJECT MANAGER: Karen Brody
COMPANY: IT Corporation
ADDRESS: 88C Elm Street
CITY: Hopkinton STATE MA ZIP 01748
PHONE: (508) 497-6101 EXT: _____
FAX: (508) 435-9641
E-MAIL: kbrody@theitgroup.com
SITE NAME: Varian Beverly
PROJECT # 823398-03
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

COOLER #10

EPA 8021B - Site Specific List

Date _____ Time _____

NOTES
Tenax tube #s
MEOH Vial #



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29040
Client Identification: Varian Beverly 823398-03
Date Received: 11/28/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/13/01

Date

10

of pages (excluding cover letter)



Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 17

Adheres to thermal preservation SAP (Yes/No):N

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29040.01	BR2 Zone1	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.02	BR2 Zone2	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.03	BR2 Zone3	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.04	BR3 Zone1	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.05	BR3 Zone2	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.06	BR3 Zone3	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.07	BR4 Zone1	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.08	BR4 Zone2	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.09	BR4 Zone3	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.1	MW-35	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.11	Field Blank-2	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation
29040.12	Trip Blank-2	11/28/01	11/28/01	aqueous		17° C	Adheres to SAP except for thermal preservation

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	BR2 Zone1	BR2 Zone2	BR2 Zone3	BR3 Zone1	BR3 Zone2	BR3 Zone3	BR4 Zone1
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/10/01	12/9/01	12/11/01	12/9/01	12/10/01	12/9/01	12/9/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	10	10	10	1	1	1	1
Chloromethane	< 20	< 20	< 20	< 10	< 10	< 10	< 10
Vinyl chloride	< 20	< 20	< 20	< 2	< 2	< 2	< 2
Bromomethane	< 20	< 20	< 20	< 10	< 10	< 10	< 10
Chloroethane	< 50	< 50	< 50	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 20	< 20	< 20	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 10	< 10	< 10	< 1	< 1	< 1	< 1
Methylene chloride	< 50	< 50	< 50	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 10	< 10	< 10	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	80	120	110	< 2	< 2	< 2	< 2
Chloroform	< 10	< 10	< 10	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 10	< 10	< 10	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Trichloroethene	1000	900	930	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Bromodichloromethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 10	< 10	< 10	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 10	< 10	< 10	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Tetrachloroethene	400	450	470	< 2	< 2	< 2	< 2
Dibromochloromethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Chlorobenzene	< 10	< 10	< 10	< 2	< 2	< 2	< 2
Bromoform	< 20	< 20	< 20	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 10	< 10	< 10	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	87 %R	86 %R	87 %R	87 %R	90 %R	88 %R	88 %R
1,2-Dichlorobenzene-D4 (surr)	109 %R	113 %R	113 %R	113 %R	110 %R	110 %R	110 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	BR4 Zone2	BR4 Zone3	MW-35	Field Blank-2	Trip Blank-2
Analytical Type:	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/9/01	12/9/01	12/9/01	12/10/01	12/10/01
Analyst:	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	88 %R	88 %R	86 %R	86 %R	90 %R
1,2-Dichlorobenzene-D4 (surr)	112 %R	109 %R	113 %R	115 %R	111 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	8260B
Vinyl chloride	< 2			ug/l	8260B
Bromomethane	< 10			ug/l	8260B
Chloroethane	< 10			ug/l	8260B
Trichlorofluoromethane	< 2			ug/l	8260B
1,1-Dichloroethene	< 1	22 (112 %R)	21 (107 %R) (5 RPD)	ug/l	8260B
Methylene chloride	< 5			ug/l	8260B
trans-1,2-Dichloroethene	< 2			ug/l	8260B
1,1-Dichloroethane	< 2			ug/l	8260B
cis-1,2-Dichloroethene	< 2			ug/l	8260B
Chloroform	< 2			ug/l	8260B
1,1,1-Trichloroethane	< 2			ug/l	8260B
Carbon tetrachloride	< 2			ug/l	8260B
1,2-Dichloroethane	< 2			ug/l	8260B
Trichloroethene	< 2	20 (102 %R)	20 (99 %R) (3 RPD)	ug/l	8260B
1,2-Dichloropropane	< 2			ug/l	8260B
Bromodichloromethane	< 2			ug/l	8260B
cis-1,3-Dichloropropene	< 2			ug/l	8260B
trans-1,3-Dichloropropene	< 2			ug/l	8260B
1,1,2-Trichloroethane	< 2			ug/l	8260B
Tetrachloroethene	< 2			ug/l	8260B
Dibromochloromethane	< 2			ug/l	8260B
Chlorobenzene	< 2	23 (116 %R)	22 (110 %R) (5 RPD)	ug/l	8260B
Bromoform	< 2			ug/l	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	8260B
4-Bromofluorobenzene (sum)	88 %R	94 %R	91 %R	ug/l	8260B
1,2-Dichlorobenzene-D4 (sum)	107 %R	99 %R	97 %R	ug/l	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Date of Analysis	
				Units	Method
Chloromethane	< 10			ug/l 12/10/01	8260B
Vinyl chloride	< 2			ug/l 12/10/01	8260B
Bromomethane	< 10			ug/l 12/10/01	8260B
Chloroethane	< 10			ug/l 12/10/01	8260B
Trichlorofluoromethane	< 2			ug/l 12/10/01	8260B
1,1-Dichloroethene	< 1	26 (131 %R)	25 (126 %R) (4 RPD)	ug/l 12/10/01	8260B
Methylene chloride	< 5			ug/l 12/10/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 12/10/01	8260B
1,1-Dichloroethane	< 2			ug/l 12/10/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 12/10/01	8260B
Chloroform	< 2			ug/l 12/10/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 12/10/01	8260B
Carbon tetrachloride	< 2			ug/l 12/10/01	8260B
1,2-Dichloroethane	< 2			ug/l 12/10/01	8260B
Trichloroethene	< 2	41 (106 %R)	40 (100 %R) (6 RPD)	ug/l 12/10/01	8260B
1,2-Dichloropropane	< 2			ug/l 12/10/01	8260B
Bromodichloromethane	< 2			ug/l 12/10/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 12/10/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 12/10/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 12/10/01	8260B
Tetrachloroethene	< 2			ug/l 12/10/01	8260B
Dibromochloromethane	< 2			ug/l 12/10/01	8260B
Chlorobenzene	< 2	24 (120 %R)	24 (118 %R) (2 RPD)	ug/l 12/10/01	8260B
Bromoform	< 2			ug/l 12/10/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 12/10/01	8260B
4-Bromofluorobenzene (surr)	89 %R	88 %R	87 %R	ug/l 12/10/01	8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	96 %R	98 %R	ug/l 12/10/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/10/01 3260E
Vinyl chloride	< 2			ug/l	12/10/01 3260B
Bromomethane	< 10			ug/l	12/10/01 3260E
Chloroethane	< 10			ug/l	12/10/01 3260E
Trichlorofluoromethane	< 2			ug/l	12/10/01 3260B
1,1-Dichloroethene	< 1	25 (125 %R)	24 (121 %R) (3 RPD)	ug/l	12/10/01 3260E
Methylene chloride	< 5			ug/l	12/10/01 3260E
trans-1,2-Dichloroethene	< 2			ug/l	12/10/01 3260B
1,1-Dichloroethane	< 2			ug/l	12/10/01 3260B
cis-1,2-Dichloroethene	< 2			ug/l	12/10/01 3260E
Chloroform	< 2			ug/l	12/10/01 3260B
1,1,1-Trichloroethane	< 2			ug/l	12/10/01 3260B
Carbon tetrachloride	< 2			ug/l	12/10/01 3260B
1,2-Dichloroethane	< 2			ug/l	12/10/01 3260B
Trichloroethene	< 2	23 (115 %R)	22 (109 %R) (5 RPD)	ug/l	12/10/01 3260B
1,2-Dichloropropane	< 2			ug/l	12/10/01 3260B
Bromodichloromethane	< 2			ug/l	12/10/01 3260B
cis-1,3-Dichloropropene	< 2			ug/l	12/10/01 3260B
trans-1,3-Dichloropropene	< 2			ug/l	12/10/01 3260B
1,1,2-Trichloroethane	< 2			ug/l	12/10/01 3260B
Tetrachloroethene	< 2			ug/l	12/10/01 3260B
Dibromochloromethane	< 2			ug/l	12/10/01 3260B
Chlorobenzene	< 2	24 (119 %R)	24 (121 %R) (2 RPD)	ug/l	12/10/01 3260B
Bromoform	< 2			ug/l	12/10/01 3260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/10/01 3260B
4-Bromofluorobenzene (surr)	90 %R	89 %R	91 %R	ug/l	12/10/01 3260B
1,2-Dichlorobenzene-D4 (surr)	106 %R	97 %R	98 %R	ug/l	12/10/01 3260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	MS/MSD Parent	Matrix Spike	MSD	Units	Method
Chloromethane	< 10				ug/l	12/11/01 8260B
Vinyl chloride	< 2				ug/l	12/11/01 8260B
Bromomethane	< 10				ug/l	12/11/01 8260B
Chloroethane	< 10				ug/l	12/11/01 8260B
Trichlorofluoromethane	< 2				ug/l	12/11/01 8260B
1,1-Dichloroethene	< 1	< 1	28 (134 %R)	26 (126 %R) (6 RPD)	ug/l	12/11/01 8260B
Methylene chloride	< 5				ug/l	12/11/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/11/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/11/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/11/01 8260B
Chloroform	< 2				ug/l	12/11/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/11/01 8260B
Carbon tetrachloride	< 2				ug/l	12/11/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/11/01 8260B
Trichloroethene	< 2	17	39 (112 %R)	38 (106 %R) (6 RPD)	ug/l	12/11/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/11/01 8260B
Bromodichloromethane	< 2				ug/l	12/11/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/11/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/11/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/11/01 8260B
Tetrachloroethene	< 2				ug/l	12/11/01 8260B
Dibromochloromethane	< 2				ug/l	12/11/01 8260B
Chlorobenzene	< 2	< 2	25 (124 %R)	23 (117 %R) (6 RPD)	ug/l	12/11/01 8260B
Bromoform	< 2				ug/l	12/11/01 8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/11/01 8260B
4-Bromofluorobenzene (surr)	88 %R	93 %R	93 %R	89 %R	ug/l	12/11/01 8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	109 %R	99 %R	99 %R	ug/l	12/11/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29040

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B
Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120
Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drinking W. WW - Waste W. Other	ANALYSES	# of Containers	NOTES Tenaxtube #s MEOH Vial #
1	BR2-Zone1	11-28/1005	GN	G-Grab, C-Comp ☐ 8260B ☐ 524.2 ☐ 624 ☐ 8260B plus 10 TICS ☐ 8021B ☐ 601 / 602 ☐ 8021B-Halos (8010 list) ☐ 601 ☐ 8021B-BTEX (8020 list) ☐ 602 ☐ MA VPH ☐ ME GRO ☐ 8015B GRO ☐ MA EPH ☐ ME DRO ☐ 8015B DRO TPH Fingerprint ☐ LI ☐ LII ☐ LIII ☐ 8270 ☐ 825 ☐ ABN ☐ A ☐ BN ☐ PAH ☐ 8081/8082 ☐ 808 ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (list below) TCMP METALS (LIST BELOW) ☐ TSS ☐ TDS ☐ TS ☐ F ☐ Cl ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ ☐ pH ☐ Spec. Con. ☐ BOD ☐ QT. Alk ☐ Carb. Alk ☐ BL Alk ☐ TKN ☐ NH ₃ ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH (list method below) ☐ CN ☐ Flash ☐ Ignit ☐ React CN ☐ React S ₂ ☐ T. Coli ☐ E. Coli ☐ F. Coli ☐ F. Strap	2	
2	BR2-Zone2	11-28/1005				
3	BR2-Zone3	11-28/1005				
4	BR3-Zone1	11/28/1005				
5	BR3-Zone2	11/28/1005				
6	BR3-Zone3	11/28/1005				
7	BR4-Zone1	11-28/1200				
8	BR4-Zone2	11-28/1205				
9	BR4-Zone3	11-28/1245				
10						

NOTES: (i.e., Special Detection Limits, Billing Info, if different)

COOLER #2

EPA 8021B - Site Specific List

PROJECT MANAGER: Karen Brody
 COMPANY: IT Corporation
 ADDRESS: 88C Elm Street
 CITY: Hopkinton STATE: MA ZIP: 01748
 PHONE: (508) 497-6101 EXT:
 FAX: (508) 435-9641
 E-MAIL: kbrody@theitgroup.com
 SITE NAME: Varian Beverly
 PROJECT #: 823398-03
 STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER
☐ Site historically contaminated

RESULTS NEEDED BY

(enter preferred date):
 (Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☒ B ☐ C
 Reporting Options:
☒ Hard Copy ☐ Fax
 Electronic:
☐ E-Mail ☐ Disk

FOR LAB USE ONLY
 Adhered to EPA Protocol
☐ Yes ☐ No (see attached)
 Temp. 17 °C
 Ice: ☐ Yes ☒ No

Quote # 172451
 P.O. # 172451
 Sample(s):
 Relinquished by: Mr. Sturges
 Date: 11/28/01
 Time: 1:50 p
 Relinquished by: Mr. Sturges
 Date: 11/28/01
 Time: 4:20 p
 Relinquished by: Mr. Sturges
 Date: 11/28/01
 Time: 4:20 p

Relinquished by Date Time Received by



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29041
Client Identification: Varian Beverly 823398-03
Date Received: 11/28/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

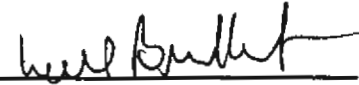
Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Will Brunkhorst, Lab Director

12/13/01
Date

9
of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29041 ITCNor29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 12

Adheres to thermal preservation SAP (Yes/No):Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29041.01	MW-13	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.02	MW-14A	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.03	MW-105R	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.04	GZ-1	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.05	GZ-2	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.06	GZ-3	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.07	GZ-4	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.08	Field Blank-5	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP
29041.09	Trip Blank-5	11/28/01	11/27/01	aqueous		12° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	MW-13	MW-14A	MW-105R	GZ-1	GZ-2	GZ-3	GZ-4
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/7/01	12/10/01	12/7/01	12/7/01	12/10/01	12/7/01	12/11/01
Analyst:	RLB	RLB	RLB	RLB	RLB	RLB	RLB
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	100	1	1	1	1	1	1
Chloromethane	< 200	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 200	< 2	< 2	< 2	< 2	< 2	6
Bromomethane	< 200	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 500	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 200	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 100	< 1	< 1	< 1	< 1	4	6
Methylene chloride	< 500	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 100	< 2	< 2	< 2	13	5	< 2
1,1-Dichloroethane	< 100	< 2	< 2	< 2	2	7	7
cis-1,2-Dichloroethene	200	12	8	20	130	51	140
Chloroform	< 100	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 100	< 2	< 2	< 2	< 2	2	3
Carbon tetrachloride	< 100	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	21000	1200	6	67	610	390	1000
1,2-Dichloropropane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 100	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 100	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	45000	7	3	11	49	67	92
Dibromochloromethane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 100	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 200	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 100	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	108 %R	100 %R	96 %R	103 %R	100 %R	103 %R	100 %R
1,2-Dichlorobenzene-D4 (surr)	101 %R	100 %R	107 %R	111 %R	101 %R	-109 %R	100 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID: Field Blank-5 Trip Blank-5

Analytical Type:	Sample	Sample
Matrix:	aqueous	aqueous
Date Sampled:	11/27/01	11/27/01
Date Received:	11/28/01	11/28/01
Units:	ug/l	ug/l
Date of Analysis:	12/6/01	12/6/01
Analyst:	RLB	RLB
Method:	8260B	8260B
Dilution Factor:	1	1

Chloromethane	< 10	< 10
Vinyl chloride	< 2	< 2
Bromomethane	< 10	< 10
Chloroethane	< 10	< 10
Trichlorofluoromethane	< 2	< 2
1,1-Dichloroethene	< 1	< 1
Methylene chloride	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Bromodichloromethane	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
Tetrachloroethene	< 2	< 2
Dibromochloromethane	< 2	< 2
Chlorobenzene	< 2	< 2
Bromoform	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
4-Bromofluorobenzene (surr)	104 %R	99 %R
1,2-Dichlorobenzene-D4 (surr)	107 %R	100 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

MW-13: The values for trichloroethene & tetrachloroethene were obtained on 12/7/01 at a dilution factor of 1000.

MW-14A: The value for trichloroethene was obtained on 12/7/01 at a dilution factor of 10.

GZ-2, GZ-3, GZ-4: The value for trichloroethene was obtained on 12/7/01 at a dilution factor of 10.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l 12/11/01	8260B
Vinyl chloride	< 2			ug/l 12/11/01	8260B
Bromomethane	< 10			ug/l 12/11/01	8260B
Chloroethane	< 10			ug/l 12/11/01	8260B
Trichlorofluoromethane	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethene	< 1	14 (68 %R)	13 (65 %R) (5 RPD)	ug/l 12/11/01	8260B
Methylene chloride	< 5			ug/l 12/11/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethane	< 2			ug/l 12/11/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
Chloroform	< 2			ug/l 12/11/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 12/11/01	8260B
Carbon tetrachloride	< 2			ug/l 12/11/01	8260B
1,2-Dichloroethane	< 2			ug/l 12/11/01	8260B
Trichloroethene	< 2	21 (106 %R)	21 (107 %R) (0 RPD)	ug/l 12/11/01	8260B
1,2-Dichloropropane	< 2			ug/l 12/11/01	8260B
Bromodichloromethane	< 2			ug/l 12/11/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 12/11/01	8260B
Tetrachloroethene	< 2			ug/l 12/11/01	8260B
Dibromochloromethane	< 2			ug/l 12/11/01	8260B
Chlorobenzene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	ug/l 12/11/01	8260B
Bromoform	< 2			ug/l 12/11/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 12/11/01	8260B
4-Bromofluorobenzene (surr)	100 %R	103 %R	101 %R	ug/l 12/11/01	8260B
1,2-Dichlorobenzene-D4 (surr)	104 %R	102 %R	101 %R	ug/l 12/11/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	MS/MSD		Matrix Spike	MSD	Date of Analysis	
	Blank	Parent			Units	Method
Chloromethane	< 10				ug/l	12/6/01 8260B
Vinyl chloride	< 2				ug/l	12/6/01 8260B
Bromomethane	< 10				ug/l	12/6/01 8260B
Chloroethane	< 10				ug/l	12/6/01 8260B
Trichlorofluoromethane	< 2				ug/l	12/6/01 8260B
1,1-Dichloroethene	< 1	< 1	25 (124 %R)	24 (119 %R) (4 RPD)	ug/l	12/6/01 8260B
Methylene chloride	< 5				ug/l	12/6/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/6/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/6/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/6/01 8260B
Chloroform	< 2				ug/l	12/6/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/6/01 8260B
Carbon tetrachloride	< 2				ug/l	12/6/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/6/01 8260B
Trichloroethene	< 2	< 2	22 (111 %R)	22 (110 %R) (1 RPD)	ug/l	12/6/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/6/01 8260B
Bromodichloromethane	< 2				ug/l	12/6/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/6/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/6/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/6/01 8260B
Tetrachloroethene	< 2				ug/l	12/6/01 8260B
Dibromochloromethane	< 2				ug/l	12/6/01 8260B
Chlorobenzene	< 2	< 2	20 (102 %R)	21 (107 %R) (5 RPD)	ug/l	12/6/01 8260B
Bromoform	< 2				ug/l	12/6/01 8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/6/01 8260B
4-Bromofluorobenzene (surr)	98 %R	101 %R	101 %R	104 %R	ug/l	12/6/01 8260B
1,2-Dichlorobenzene-D4 (surr)	106 %R	112 %R	112 %R	101 %R	ug/l	12/6/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	MS/MSD Parent	Matrix Spike	MSD	Units	Method
Chloromethane	< 10				ug/l	12/7/01 8260B
Vinyl chloride	< 2				ug/l	12/7/01 8260B
Bromomethane	< 10				ug/l	12/7/01 8260B
Chloroethane	< 10				ug/l	12/7/01 8260B
Trichlorofluoromethane	< 2				ug/l	12/7/01 8260B
1,1-Dichloroethene	< 1	< 1	22 (108 %R)	24 (119 %R) (10 RPD)	ug/l	12/7/01 8260B
Methylene chloride	< 5				ug/l	12/7/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/7/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/7/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/7/01 8260B
Chloroform	< 2				ug/l	12/7/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/7/01 8260B
Carbon tetrachloride	< 2				ug/l	12/7/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/7/01 8260B
Trichloroethene	< 2	< 2	19 (97 %R)	23 (113 %R) (15 RPD)	ug/l	12/7/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/7/01 8260B
Bromodichloromethane	< 2				ug/l	12/7/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/7/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/7/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/7/01 8260B
Tetrachloroethene	< 2				ug/l	12/7/01 8260B
Dibromochloromethane	< 2				ug/l	12/7/01 8260B
Chlorobenzene	< 2	< 2	19 (95 %R)	22 (109 %R) (14 RPD)	ug/l	12/7/01 8260B
Bromoform	< 2				ug/l	12/7/01 8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/7/01 8260B
4-Bromofluorobenzene (surr)	102 %R	102 %R	100 %R	102 %R	ug/l	12/7/01 8260B
1,2-Dichlorobenzene-D4 (surr)	107 %R	110 %R	96 %R	103 %R	ug/l	12/7/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29041

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC Limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drinking W. WW - Waste W. Other	# of Containers	Requested Analyses	Notes
1	MU-13	11/27/01 14:30	GW	2	☐ 524.2 ☐ BTX only ☐ 8260B ☐ Oxygenates ☐ 8260B plus TICS ☐ 624 ☐ 8021B ☐ 8021B-Haloes ☐ 8021B-Aromatics ☐ 601/602 ☐ 601 ☐ 602 ☐ Methane Only ☐ Methane & Ethane/Ethane ☐ MA VPH ☐ ME GRO ☐ 8015 GRO ☐ MA EPH ☐ PAH 8270 ☐ TPH Fingerprint ☐ U ☐ LI ☐ ME DRO ☐ 8015B DRO ☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ TICS ☐ Pesticides/PCBs ☐ PCBs ☐ Pesticides ☐ Dissolved Metals (List below) ☐ Total Metals (List Below) ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ FOC ☐ SO4 ☐ NO2 ☐ NO3 ☐ pH ☐ Spec. Con. ☐ BOD ☐ OT. Alk ☐ Carb. Alk ☐ BL Alk ☐ TKN ☐ NH3 ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH Method 1664 ☐ Cyanide ☐ Sulfide ☐ Flash ☐ Ignit ☐ React CN ☐ React S2 ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F Strep ☐ TCLP ☐ Metals ☐ VOC ☐ ABN ☐ Herbicides ☐ Pesticides	
2	MU-14A	11/27/01 13:30		2		
3	MU-103	11/27/01 15:45		2		
4	MU-105R	11/27/01 10:30		2		
5	GZ-1	11/27/01 9:47		2		
6	GZ-2	11/27/01 11:20		2		
7	GZ-3	11/27/01 12:00		2		
8	GZ-4	11/27/01 14:45		2		
9	TRIP BLANK-5			2		

PROJECT MANAGER: Karen Brody
COMPANY: IT Corporation
ADDRESS: 83C Elm Street
CITY: Hockinton STATE MA ZIP 01748
PHONE (508) 497-6101 EXT: 508-435-9641
FAX: 508-435-9641
E-MAIL: kbrody@theitgroup.com
SITE NAME: Varian Beverly
PROJECT #: 823398-03
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER
☐ Site historically contaminated

Other Metals: ☐ 8 RCRA Metals ☐ Fe, Mn ☐ 13 PP Metals
Dissolved Metals Field Filtered? ☐ Yes ☐ No
NOTES: (i.e., Special Detection Limits, Billing Info, if different)
EPA 8021B - Site Specific List
COOLER #5

RESULTS NEEDED BY (enter preferred date):
(Guaranteed rapid turnaround needs pre-approval)
QA/QC Reporting Level: ☐ A ☒ B ☐ C
Reporting Options: ☐ Hard Copy ☒ Fax
Electronic: ☒ E-Mail ☐ Disk
Adhered to EPA Protocol: ☐ Yes ☐ No (see attached)
Temp: 12 °C
Ice: ☐ Yes ☐ No
Custody Seal Intact? ☐ Yes ☐ No
Sample(s): STEPHEN BRODY
P.O. # 172451
CJOE@theitgroup.com
Relinquished by: 11/27/01 1:50 PM
Relinquished by: 11/28/01 4:30 PM
Relinquished by: 11/28/01 11:00 AM
Relinquished by: 11/28/01 11:00 AM
Received by: 11/28/01 11:00 AM
Received by: 11/28/01 11:00 AM

(WHITE: Original) (YELLOW: Lab Files) (PINK: Project manager)



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton, MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29044
Client Identification: Varian Beverly 823398-03
Date Received: 11/28/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/13/01

Date

7

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29044 ITCNor

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Chain of Custody for these samples is attached.

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments
29044.01	STR-16	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.02	STR-17	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.03	STRHA-7A	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.04	STRHA-7B	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.05	STRHA-8	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.06	STRHA-9	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.07	Culvert OF	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.08	Field Blank-6	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP
29044.09	Trip Blank-6	11/28/01	11/28/01	aqueous		6° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29044

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	STR-16	STR-17	STRHA-7A	STRHA-7B	STRHA-8	STRHA-9	Culvert OF
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/8/01	12/8/01	12/8/01	12/8/01	12/8/01	12/8/01	12/8/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	2	2	< 1	< 1	< 1	2
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	2	< 2	< 2	< 2	< 2	2
cis-1,2-Dichloroethene	< 2	47	57	< 2	5	< 2	55
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	76	71	< 2	7	3	79
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	12	12	< 2	< 2	< 2	12
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	93 %R	86 %R	88 %R	90 %R	88 %R	91 %R	90 %R
1,2-Dichlorobenzene-D4 (surr)	110 %R	106 %R	107 %R	115 %R	113 %R	114 %R	109 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29044

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID: Field Blank-6 Trip Blank-6

Analytical Type:	Sample	Sample
Matrix:	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01
Date Received:	11/28/01	11/28/01
Units:	ug/l	ug/l
Date of Analysis:	12/8/01	12/8/01
Analyst:	JDS	JDS
Method:	8260B	8260B
Dilution Factor:	1	1

Chloromethane	< 10	< 10
Vinyl chloride	< 2	< 2
Bromomethane	< 10	< 10
Chloroethane	< 10	< 10
Trichlorofluoromethane	< 2	< 2
1,1-Dichloroethene	< 1	< 1
Methylene chloride	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Bromodichloromethane	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
Tetrachloroethene	< 2	< 2
Dibromochloromethane	< 2	< 2
Chlorobenzene	< 2	< 2
Bromoform	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
4-Bromofluorobenzene (surr)	89 %R	88 %R
1,2-Dichlorobenzene-D4 (surr)	111 %R	111 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29044

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Units	Method
Chloromethane	< 10			ug/l	12/8/01 8260B
Vinyl chloride	< 2			ug/l	12/8/01 8260B
Bromomethane	< 10			ug/l	12/8/01 8260B
Chloroethane	< 10			ug/l	12/8/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethene	< 1	26 (129 %R)	26 (132 %R) (2 RPD)	ug/l	12/8/01 8260B
Methylene chloride	< 5			ug/l	12/8/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/8/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
Chloroform	< 2			ug/l	12/8/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/8/01 8260B
Carbon tetrachloride	< 2			ug/l	12/8/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/8/01 8260B
Trichloroethene	< 2	26 (115 %R)	25 (113 %R) (2 RPD)	ug/l	12/8/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/8/01 8260B
Bromodichloromethane	< 2			ug/l	12/8/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/8/01 8260B
Tetrachloroethene	< 2			ug/l	12/8/01 8260B
Dibromochloromethane	< 2			ug/l	12/8/01 8260B
Chlorobenzene	< 2	24 (121 %R)	24 (119 %R) (2 RPD)	ug/l	12/8/01 8260B
Bromoform	< 2			ug/l	12/8/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/8/01 8260B
4-Bromofluorobenzene (surr)	92 %R	91 %R	89 %R	ug/l	12/8/01 8260B
1,2-Dichlorobenzene-D4 (surr)	110 %R	97 %R	100 %R	ug/l	12/8/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29044

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

PRESERVATIVE: H-HCl; N-HNO₃; S-H₂SO₄; Na-NaOH; M-MEOL

Site historically contaminated

EPA 8021B - Site Specific List

COOLER #6

(enter preferred date):

(Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level

Electronic:

☒ E-Mail ☐ Disk

Quote #

PQ# 172451

Sampler(s): STEPHEN SAPPIONE

W. J. D.

Relinquished by WAC Date 12/21/81 Time 11:00

1989 11/28/89

Relinquished by _____ Date _____ Time _____

Relinquished by

Time

Date

Relinquished by

(WHITE: Original

YELLOW: Lab Files

PINK: Project manager)

Site historically contaminated



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29094
Client Identification: Varian Beverly / 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/18/01

Date

10

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

29094 ITCNor29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 2

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments (other than thermal preservation)
29094.01	BR6-Zone 1	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.02	BR6-Zone 2	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.03	BR6-Zone 3	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.04	BR8-Zone 1	11/30/01	11/28/01	aqueous		2° C	Adheres to SAP
29094.05	BR8-Zone 2	11/30/01	11/28/01	aqueous		2° C	Adheres to SAP
29094.06	BR8-Zone 3	11/30/01	11/28/01	aqueous		2° C	Adheres to SAP
29094.07	CL8BR-Zone 1	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.08	CL8BR-Zone 2	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.09	CL8BR-Zone 3	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.1	Field Blank-3	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP
29094.11	Trip Blank-3	11/30/01	11/29/01	aqueous		2° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample ID:	BR6-Zone 1	BR6-Zone 2	BR6-Zone 3	BR8-Zone 1	BR8-Zone 2	BR8-Zone 3	CL8BR-Zone 1
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01	11/29/01	11/28/01	11/28/01	11/28/01	11/29/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/8/01	12/8/01	12/9/01	12/9/01	12/9/01	12/9/01	12/9/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	6	100	45	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	3	3	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	300	180	11	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	5	4	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	90 %R	88 %R	92 %R	88 %R	91 %R	87 %R	86 %R
1,2-Dichlorobenzene-D4 (surr)	111 %R	118 %R	95 %R	108 %R	111 %R	115 %R	107 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample ID:	CL8BR-Zone 2	CL8BR-Zone 3	Field Blank-3	Trip Blank-3
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01	11/29/01	11/29/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/9/01	12/9/01	12/9/01	12/10/01
Analyst:	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	87 %R	88 %R	86 %R	93 %R
1,2-Dichlorobenzene-D4 (surr)	110 %R	107 %R	110 %R	108 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

BR6-Zone 1: The value for Cis-1,2-Dichloroethene was obtained on 12/10/01 at a dilution factor of 10.

BR6-Zone 2: The value for Cis-1,2-Dichloroethene was obtained on 12/10/01 at a dilution factor of 10.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

QC Report

Parameter Name	Blank	MS/MSD		MSD	Date of Analysis	
		Parent	Matrix Spike		Units	Method
Chloromethane	< 10				ug/l	12/8/01 8260B
Vinyl chloride	< 2				ug/l	12/8/01 8260B
Bromomethane	< 10				ug/l	12/8/01 8260B
Chloroethane	< 10				ug/l	12/8/01 8260B
Trichlorofluoromethane	< 2				ug/l	12/8/01 8260B
1,1-Dichloroethene	< 1	< 1	26 (129 %R)	26 (132 %R) (2 RPD)	ug/l	12/8/01 8260B
Methylene chloride	< 5				ug/l	12/8/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/8/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/8/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/8/01 8260B
Chloroform	< 2				ug/l	12/8/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/8/01 8260B
Carbon tetrachloride	< 2				ug/l	12/8/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/8/01 8260B
Trichloroethene	< 2	3	26 (115 %R)	25 (113 %R) (2 RPD)	ug/l	12/8/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/8/01 8260B
Bromodichloromethane	< 2				ug/l	12/8/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/8/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/8/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/8/01 8260B
Tetrachloroethene	< 2				ug/l	12/8/01 8260B
Dibromochloromethane	< 2				ug/l	12/8/01 8260B
Chlorobenzene	< 2	< 2	24 (121 %R)	24 (119 %R) (2 RPD)	ug/l	12/8/01 8260B
Bromoform	< 2				ug/l	12/8/01 8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/8/01 8260B
4-Bromofluorobenzene (surr)	92 %R	91 %R	91 %R	89 %R	ug/l	12/8/01 8260B
1,2-Dichlorobenzene-D4 (surr)	110 %R	114 %R	97 %R	100 %R	ug/l	12/8/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/9/01 8260B
Vinyl chloride	< 2			ug/l	12/9/01 8260B
Bromomethane	< 10			ug/l	12/9/01 8260B
Chloroethane	< 10			ug/l	12/9/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/9/01 8260B
1,1-Dichloroethene	< 1	22 (112 %R)	21 (107 %R) (5 RPD)	ug/l	12/9/01 8260B
Methylene chloride	< 5			ug/l	12/9/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/9/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/9/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/9/01 8260B
Chloroform	< 2			ug/l	12/9/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/9/01 8260B
Carbon tetrachloride	< 2			ug/l	12/9/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/9/01 8260B
Trichloroethene	< 2	20 (102 %R)	20 (99 %R) (3 RPD)	ug/l	12/9/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/9/01 8260B
Bromodichloromethane	< 2			ug/l	12/9/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/9/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/9/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/9/01 8260B
Tetrachloroethene	< 2			ug/l	12/9/01 8260B
Dibromochloromethane	< 2			ug/l	12/9/01 8260B
Chlorobenzene	< 2	23 (116 %R)	22 (110 %R) (5 RPD)	ug/l	12/9/01 8260B
Bromoform	< 2			ug/l	12/9/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/9/01 8260B
4-Bromofluorobenzene (surr)	88 %R	94 %R	91 %R	ug/l	12/9/01 8260B
1,2-Dichlorobenzene-D4 (surr)	107 %R	99 %R	97 %R	ug/l	12/9/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	
						Method
Chloromethane	< 10			ug/l	12/10/01	8260B
Vinyl chloride	< 2			ug/l	12/10/01	8260B
Bromomethane	< 10			ug/l	12/10/01	8260B
Chloroethane	< 10			ug/l	12/10/01	8260B
Trichlorofluoromethane	< 2			ug/l	12/10/01	8260B
1,1-Dichloroethene	< 1	25 (125 %R)	24 (121 %R) (3 RPD)	ug/l	12/10/01	8260B
Methylene chloride	< 5			ug/l	12/10/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/10/01	8260B
1,1-Dichloroethane	< 2			ug/l	12/10/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/10/01	8260B
Chloroform	< 2			ug/l	12/10/01	8260B
1,1,1-Trichloroethane	< 2			ug/l	12/10/01	8260B
Carbon tetrachloride	< 2			ug/l	12/10/01	8260B
1,2-Dichloroethane	< 2			ug/l	12/10/01	8260B
Trichloroethene	< 2	23 (115 %R)	22 (109 %R) (5 RPD)	ug/l	12/10/01	8260B
1,2-Dichloropropane	< 2			ug/l	12/10/01	8260B
Bromodichloromethane	< 2			ug/l	12/10/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/10/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/10/01	8260B
1,1,2-Trichloroethane	< 2			ug/l	12/10/01	8260B
Tetrachloroethene	< 2			ug/l	12/10/01	8260B
Dibromochloromethane	< 2			ug/l	12/10/01	8260B
Chlorobenzene	< 2	24 (119 %R)	24 (121 %R) (2 RPD)	ug/l	12/10/01	8260B
Bromoform	< 2			ug/l	12/10/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/10/01	8260B
4-Bromofluorobenzene (surr)	90 %R	89 %R	91 %R	ug/l	12/10/01	8260B
1,2-Dichlorobenzene-D4 (surr)	106 %R	97 %R	98 %R	ug/l	12/10/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29094

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Volatile Organic Compounds QC Limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B
Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120
Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

(WHITE: Original YELLOW: Lab Files PINK: Project manager)

CHAIN-OF-CUSTODY RECORD

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX ☐ A - Air ☒ S - Soil ☐ GW - Ground W. ☐ SW - Surface W. ☐ DW - Drinking W. ☐ WW - Waste W. ☐ Other
10 Field Blank-3	11-29/1230	GM	G Grab, C-Comp
11 Trip Blank-3		G	☐ 8260B ☐ 5242 ☐ 624 ☐ 8260B plus 10 TICS ☒ 8021B ☐ 801 / 602 ☐ 8021B-Halos (8010 list) ☐ 801 ☐ 8021B-BTEX (8020 list) ☐ 602 ☐ MA VPH ☐ ME GRO ☐ 801SB GRO ☐ MA EPH ☐ ME DRO ☐ 801SB DRO TPH Fingerprint ☐ LI ☐ LII ☐ LIII ☐ 8270 ☐ 825 ☐ ABN ☐ A ☐ BN ☐ PAH ☐ 8081/8082 ☐ 608 ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☐ TSS ☐ TDS ☐ TS ☐ Cl ☐ SO4 ☐ NO2 ☐ NO3 ☐ pH ☐ Spec. Con. ☐ BOD ☐ OT Alk ☐ Carb. Alk ☐ BL Alk ☐ TKN ☐ NH3 ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH (list method below) ☐ CN ☐ Flash ☐ Ignit ☐ React CN ☐ React S2 ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F Strep
			# of Containers
			NOTES Tenaxtube #s MEOH Vial #

NOTES: (i.e., Special Detection Limits, Billing Info. if different)

RESULTS NEEDED BY

(enter preferred date)

EPD 8021B- Site Specific List

QA / QC Reporting Level

☐ A ☒ B ☐ C

•

4 00035

11291

 (signature)

8/12
Ratified/signed by

22-260-11

Reinquirished by /

Ballmaulshed by

Date _____ Time _____

Received by

COOLER #3

PROJECT MANAGER: Karen Brody
COMPANY: IT Corporation
ADDRESS: 88C Elm Street
CITY: Hopkinton STATE: MA ZIP: 01748
PHONE: (508) 497-6101 EXT: _____
FAX: (508) 435-9641
E-MAIL: kbrody@theitgroup.com
SITE NAME: Varian Beverly
PROJECT # 823398-03
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

NOTES: (i.e., Special Detection Limits, Billing Info. if different)

EPA 8021B- Site Specific List

COOLER #3

RESULTS NEEDED BY _____
(enter preferred date): _____
(guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☒ B ☐ C

Reporting Options:
☒ Hard Copy ☐ Fax
☒ E-Mail ☐ Disk

Electronic:

FOR LAB USE ONLY
Admitted to EPA Protocol
☐ Yes ☐ No (see attached)

Temp. 2 C
Ice: ☐ Yes ☐ No

Quota # _____

P.O. # 172451

Sampler(s): WATER STATION

Relinquished by 11/30/01 12:35 MR
Date Time

Received by Donna M. Dwyer
Date Time

Relinquished by _____
Date Time

Received by _____
Date Time



EAI's Sample Acceptance Policy

NELAC certification standards require that laboratories establish a Sample Acceptance Policy (SAP) and inform customers of this policy. NELAC further requires that laboratories document any deviations of the SAP on the final report. It is the responsibility of Eastern Analytical, Inc. to notify customers immediately of any deviations. All correspondence and communication regarding deviations become part of the case file.

Upon receipt in the laboratory, samples will be inspected according to the following EAI SAP criteria:

1. Completeness of COC documentation including but not limited to:
 - a. Sample collector
 - b. Date and time of collection
 - c. Unique sample identification
 - d. Sample matrix
 - e. Preservation method
 - f. Any special notes regarding the sample
2. Integrity of sample label
3. Use of indelible ink
4. Proper sample container types
5. Proper chemical preservation
6. Proper thermal preservation
All samples requiring thermal preservation should arrive at the laboratory packed in ice.
7. Presence of headspace in VOC vials
8. Adherence to holding time
9. Adequate sample volume
10. Integrity of sample containers
11. Integrity and quantity of custody seals, if applicable.



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29096
Client Identification: Varian Beverly / 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/18/01

Date

7

of pages (excluding cover letter)



Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 10

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
29096.01	CL2-BR	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.02	CL2-DO	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.03	MW-2R	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.04	MW-5R	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.05	CL13-DO	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.06	CL13-BR	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.07	CL13-S	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.08	Field Blank-9	11/30/01	11/28/01	aqueous		Adheres to SAP
29096.09	Trip Blank-9	11/30/01	11/28/01	aqueous		Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample ID:	CL2-BR	CL2-DO	MW-2R	MW-5R	CL13-DO	CL13-BR	CL13-S
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/11/01	12/7/01	12/7/01	12/7/01	12/7/01	12/7/01	12/7/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	10	10	1	1	1	1	1
Chloromethane	< 20	< 20	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 20	< 20	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 20	< 20	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 50	< 50	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 20	< 20	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 10	< 10	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 50	< 50	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 10	< 10	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	110	260	< 2	27	< 2	< 2	< 2
Chloroform	< 10	< 10	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 10	< 10	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Trichloroethene	1100	1500	< 2	62	< 2	< 2	< 2
1,2-Dichloropropane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 10	< 10	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 10	< 10	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	150	230	< 2	32	< 2	< 2	< 2
Dibromochloromethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 10	< 10	< 2	< 2	< 2	< 2	< 2
Bromoform	< 20	< 20	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 10	< 10	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	99 %R	102 %R	99 %R	100 %R	100 %R	99 %R	100 %R
1,2-Dichlorobenzene-D4 (surr)	99 %R	101 %R	102 %R	100 %R	101 %R	101 %R	100 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Sample ID: Field Blank-9 Trip Blank-9

Analytical Type:	Sample	Sample
Matrix:	aqueous	aqueous
Date Sampled:	11/28/01	11/28/01
Date Received:	11/30/01	11/30/01
Units:	ug/l	ug/l
Date of Analysis:	12/7/01	12/7/01
Analyst:	JDS	JDS
Method:	8260B	8260B
Dilution Factor:	1	1

Chloromethane	< 10	< 10
Vinyl chloride	< 2	< 2
Bromomethane	< 10	< 10
Chloroethane	< 10	< 10
Trichlorofluoromethane	< 2	< 2
1,1-Dichloroethene	< 1	< 1
Methylene chloride	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Bromodichloromethane	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
Tetrachloroethene	< 2	< 2
Dibromochloromethane	< 2	< 2
Chlorobenzene	< 2	< 2
Bromoform	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
4-Bromofluorobenzene (surr)	100 %R	98 %R
1,2-Dichlorobenzene-D4 (surr)	98 %R	103 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/8/01 8260B
Vinyl chloride	< 2			ug/l	12/8/01 8260B
Bromomethane	< 10			ug/l	12/8/01 8260B
Chloroethane	< 10			ug/l	12/8/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethene	< 1	15 (77 %R)	15 (73 %R) (5 RPD)	ug/l	12/8/01 8260B
Methylene chloride	< 5			ug/l	12/8/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/8/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/8/01 8260B
Chloroform	< 2			ug/l	12/8/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/8/01 8260B
Carbon tetrachloride	< 2			ug/l	12/8/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/8/01 8260B
Trichloroethene	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	ug/l	12/8/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/8/01 8260B
Bromodichloromethane	< 2			ug/l	12/8/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/8/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/8/01 8260B
Tetrachloroethene	< 2			ug/l	12/8/01 8260B
Dibromochloromethane	< 2			ug/l	12/8/01 8260B
Chlorobenzene	< 2	22 (112 %R)	21 (107 %R) (5 RPD)	ug/l	12/8/01 8260B
Bromoform	< 2			ug/l	12/8/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/8/01 8260B
4-Bromofluorobenzene (surr)	99 %R	102 %R	100 %R	ug/l	12/8/01 8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	100 %R	98 %R	ug/l	12/8/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/12/01 8260B
Vinyl chloride	< 2			ug/l	12/12/01 8260B
Bromomethane	< 10			ug/l	12/12/01 8260B
Chloroethane	< 10			ug/l	12/12/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/12/01 8260B
1,1-Dichloroethene	< 1	13 (65 %R)	13 (66 %R) (2 RPD)	ug/l	12/12/01 8260B
Methylene chloride	< 5			ug/l	12/12/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/12/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/12/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/12/01 8260B
Chloroform	< 2			ug/l	12/12/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/12/01 8260B
Carbon tetrachloride	< 2			ug/l	12/12/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/12/01 8260B
Trichloroethene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	ug/l	12/12/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/12/01 8260B
Bromodichloromethane	< 2			ug/l	12/12/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/12/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/12/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/12/01 8260B
Tetrachloroethene	< 2			ug/l	12/12/01 8260B
Dibromochloromethane	< 2			ug/l	12/12/01 8260B
Chlorobenzene	< 2	21 (106 %R)	21 (106 %R) (0 RPD)	ug/l	12/12/01 8260B
Bromoform	< 2			ug/l	12/12/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/12/01 8260B
4-Bromofluorobenzene (surr)	100 %R	98 %R	102 %R	ug/l	12/12/01 8260B
1,2-Dichlorobenzene-D4 (surr)	103 %R	102 %R	102 %R	ug/l	12/12/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29096

Client: IT Corp. (Hop)

Client Designation: Varian Beverly / 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29042
Client Identification: Varian Beverly 823398-03
Date Received: 11/28/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

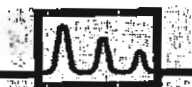
Will Brunkhorst, Lab Director

12/14/01

Date

18

of pages (excluding cover letter)



Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 15

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments (other than thermal preservation)
29042.01	BR5-Zone1	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.02	BR5-Zone2	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.03	BR5-Zone3	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.04	BR1-Zone1	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.05	BR1-Zone2	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.06	BR1-Zone3	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.07	BR9-Zone1	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.08	BR9-Zone2	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.09	BR9-Zone3	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.1	CL9-S	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.11	CL9-DO	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.12	Field Blank-4	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP
29042.13	Trip Blank-4	11/28/01	11/27/01	aqueous		15° C	Adheres to SAP

SAP = Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	BR5-Zone1	BR5-Zone2	BR5-Zone3	BR1-Zone1	BR1-Zone2	BR1-Zone3	BR9-Zone1
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/10/01	12/10/01	12/6/01	12/5/01	12/5/01	12/5/01	12/6/01
Analyst:	RLB	RLB	RLB	RLB	RLB	RLB	RLB
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	10	10	1	1	1	10
Chloromethane	< 10	< 20	< 20	< 10	< 10	< 10	< 20
Vinyl chloride	610	820	530	< 2	< 2	< 2	< 20
Bromomethane	< 10	< 20	< 20	< 10	< 10	< 10	< 20
Chloroethane	< 10	< 50	< 50	< 10	< 10	< 10	< 50
Trichlorofluoromethane	< 2	< 20	< 20	< 2	< 2	< 2	< 20
1,1-Dichloroethene	3	20	140	< 1	< 1	< 1	< 10
Methylene chloride	< 5	< 50	< 50	< 5	< 5	< 5	< 50
trans-1,2-Dichloroethene	< 2	< 10	30	< 2	4	< 2	< 10
1,1-Dichloroethane	< 2	< 10	60	< 2	< 2	< 2	< 10
cis-1,2-Dichloroethene	510	1100	17000	1200	190	< 2	2000
Chloroform	< 2	< 10	< 10	< 2	< 2	< 2	< 10
1,1,1-Trichloroethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Carbon tetrachloride	< 2	< 10	< 10	< 2	< 2	< 2	< 10
1,2-Dichloroethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Trichloroethene	76	1500	15000	710	730	< 2	570
1,2-Dichloropropane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Bromodichloromethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
cis-1,3-Dichloropropene	< 2	< 10	< 10	< 2	< 2	< 2	< 10
trans-1,3-Dichloropropene	< 2	< 10	< 10	< 2	< 2	< 2	< 10
1,1,2-Trichloroethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Tetrachloroethene	14	470	3500	170	58	< 2	290
Dibromochloromethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Chlorobenzene	< 2	< 10	< 10	< 2	< 2	< 2	< 10
Bromoform	< 2	< 20	< 20	< 2	< 2	< 2	< 20
1,1,2,2-Tetrachloroethane	< 2	< 10	< 10	< 2	< 2	< 2	< 10
4-Bromofluorobenzene (surr)	100 %R	101 %R	101 %R	103 %R	98 %R	104 %R	107 %R
1,2-Dichlorobenzene-D4 (surr)	103 %R	103 %R	105 %R	102 %R	99 %R	104 %R	96 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	BR9-Zone2	BR9-Zone3	CL9-S	CL9-DO	Field Blank-4	Trip Blank-4
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01	11/27/01
Date Received:	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01	11/28/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/6/01	12/6/01	12/6/01	12/6/01	12/5/01	12/5/01
Analyst:	RLB	RLB	RLB	RLB	RLB	RLB
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	10	10	1	1	1	1
Chloromethane	< 20	< 20	< 10	< 10	< 10	< 10
Vinyl chloride	220	1600	< 2	< 2	< 2	< 2
Bromomethane	< 20	< 20	< 10	< 10	< 10	< 10
Chloroethane	< 50	< 50	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 20	< 20	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 10	< 10	< 1	< 1	< 1	< 1
Methylene chloride	< 50	< 50	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 10	< 10	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 10	< 10	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	750	1300	< 2	31	< 2	< 2
Chloroform	< 10	< 10	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 10	< 10	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 10	< 10	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 10	< 10	< 2	< 2	< 2	< 2
Trichloroethene	480	1000	< 2	560	< 2	< 2
1,2-Dichloropropane	< 10	< 10	< 2	< 2	< 2	< 2
Bromodichloromethane	< 10	< 10	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 10	< 10	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 10	< 10	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 10	< 10	< 2	< 2	< 2	< 2
Tetrachloroethene	330	740	< 2	400	< 2	< 2
Dibromochloromethane	< 10	< 10	< 2	< 2	< 2	< 2
Chlorobenzene	< 10	< 10	< 2	< 2	< 2	< 2
Bromoform	< 20	< 20	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 10	< 10	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	99 %R	95 %R	97 %R	101 %R	95 %R	97 %R
1,2-Dichlorobenzene-D4 (surr)	108 %R	107 %R	100 %R	105 %R	103 %R	103 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

BR5-Zone1: The values for vinyl chloride and cis-1,2-dichloroethene were obtained on 12/6/01 at a dilution factor of 10.

BR9-Zone1: The value for cis-1,2-dichloroethene was obtained on 12/7/01 at a dilution factor of 100.

BR5-Zone3: The values for cis-1,2-dichloroethene, trichloroethene, & tetrachloroethene were obtained on 12/7/01 at a dilution factor of 100.

BR1-Zone1: The values for cis-1,2-dichloroethene & trichloroethene were obtained on 12/7/01 at a dilution factor of 10.

BR1-Zone2: The value for trichloroethene was obtained on 12/7/01 at a dilution factor of 10.

CL9-DO: The values for trichloroethene & tetrachloroethene were obtained on 12/7/01 at a dilution factor of 10.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Date of Analysis	
				Units	Method
Dichlorodifluoromethane	< 5			ug/l	12/5/01 8260B
Chloromethane	< 5			ug/l	12/5/01 8260B
Vinyl chloride	< 2			ug/l	12/5/01 8260B
Bromomethane	< 2			ug/l	12/5/01 8260B
Chloroethane	< 5			ug/l	12/5/01 8260B
Trichlorofluoromethane	< 5			ug/l	12/5/01 8260B
Diethyl ether	< 5			ug/l	12/5/01 8260B
Acetone	< 10			ug/l	12/5/01 8260B
1,1-Dichloroethene	< 1	25 (127 %R)	23 (113 %R) (12 RPD)	ug/l	12/5/01 8260B
Methylene chloride	< 5			ug/l	12/5/01 8260B
Carbon disulfide	< 5			ug/l	12/5/01 8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l	12/5/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/5/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/5/01 8260B
2,2-Dichloropropane	< 2			ug/l	12/5/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/5/01 8260B
2-Butanone(MEK)	< 10			ug/l	12/5/01 8260B
Bromochloromethane	< 2			ug/l	12/5/01 8260B
Tetrahydrofuran(THF)	< 10			ug/l	12/5/01 8260B
Chloroform	< 2			ug/l	12/5/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/5/01 8260B
Carbon tetrachloride	< 2			ug/l	12/5/01 8260B
1,1-Dichloropropene	< 2			ug/l	12/5/01 8260B
Benzene	< 1	22 (111 %R)	21 (105 %R) (6 RPD)	ug/l	12/5/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/5/01 8260B
Trichloroethene	< 2	22 (110 %R)	21 (103 %R) (7 RPD)	ug/l	12/5/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/5/01 8260B
Dibromomethane	< 2			ug/l	12/5/01 8260B
Bromodichloromethane	< 2			ug/l	12/5/01 8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l	12/5/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/5/01 8260B
Toluene	< 1	19 (97 %R)	20 (100 %R) (3 RPD)	ug/l	12/5/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/5/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/5/01 8260B
2-Hexanone	< 10			ug/l	12/5/01 8260B
Tetrachloroethene	< 2			ug/l	12/5/01 8260B
1,3-Dichloropropane	< 2			ug/l	12/5/01 8260B
Dibromochloromethane	< 2			ug/l	12/5/01 8260B
1,2-Dibromoethane	< 2			ug/l	12/5/01 8260B
Chlorobenzene	< 2	20 (99 %R)	20 (98 %R) (1 RPD)	ug/l	12/5/01 8260B
1,1,1,2-Tetrachloroethane	< 2			ug/l	12/5/01 8260B
Ethylbenzene	< 1			ug/l	12/5/01 8260B
mp-Xylene	< 1			ug/l	12/5/01 8260B
o-Xylene	< 1			ug/l	12/5/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Date of Analysis		Method
				Units		
Styrene	< 1			ug/l	12/5/01	8260B
Bromoform	< 2			ug/l	12/5/01	8260B
Iso-Propylbenzene	< 1			ug/l	12/5/01	8260B
Bromobenzene	< 2			ug/l	12/5/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/5/01	8260B
1,2,3-Trichloropropane	< 2			ug/l	12/5/01	8260B
n-Propylbenzene	< 1			ug/l	12/5/01	8260B
2-Chlorotoluene	< 2			ug/l	12/5/01	8260B
4-Chlorotoluene	< 2			ug/l	12/5/01	8260B
1,3,5-Trimethylbenzene	< 1			ug/l	12/5/01	8260B
tert-Butylbenzene	< 1			ug/l	12/5/01	8260B
1,2,4-Trimethylbenzene	< 1			ug/l	12/5/01	8260B
sec-Butylbenzene	< 1			ug/l	12/5/01	8260B
1,3-Dichlorobenzene	< 1			ug/l	12/5/01	8260B
p-isopropyltoluene	< 1			ug/l	12/5/01	8260B
1,4-Dichlorobenzene	< 1			ug/l	12/5/01	8260B
1,2-Dichlorobenzene	< 1			ug/l	12/5/01	8260B
n-Butylbenzene	< 1			ug/l	12/5/01	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l	12/5/01	8260B
1,2,4-Trichlorobenzene	1			ug/l	12/5/01	8260B
Hexachlorobutadiene	2			ug/l	12/5/01	8260B
Naphthalene	< 5			ug/l	12/5/01	8260B
1,2,3-Trichlorobenzene	3			ug/l	12/5/01	8260B
4-Bromofluorobenzene (surr)	100 %R	101 %R	99 %R	% Rec	12/5/01	8260B
1,2-Dichlorobenzene-D4 (surr)	103 %R	105 %R	108 %R	% Rec	12/5/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varlan Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l 12/11/01	8260B
Vinyl chloride	< 2			ug/l 12/11/01	8260B
Bromomethane	< 10			ug/l 12/11/01	8260B
Chloroethane	< 10			ug/l 12/11/01	8260B
Trichlorofluoromethane	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethene	< 1	14 (68 %R)	13 (65 %R) (5 RPD)	ug/l 12/11/01	8260B
Methylene chloride	< 5			ug/l 12/11/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
1,1-Dichloroethane	< 2			ug/l 12/11/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 12/11/01	8260B
Chloroform	< 2			ug/l 12/11/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 12/11/01	8260B
Carbon tetrachloride	< 2			ug/l 12/11/01	8260B
1,2-Dichloroethane	< 2			ug/l 12/11/01	8260B
Trichloroethene	< 2	21 (106 %R)	21 (107 %R) (0 RPD)	ug/l 12/11/01	8260B
1,2-Dichloropropane	< 2			ug/l 12/11/01	8260B
Bromodichloromethane	< 2			ug/l 12/11/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 12/11/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 12/11/01	8260B
Tetrachloroethene	< 2			ug/l 12/11/01	8260B
Dibromochloromethane	< 2			ug/l 12/11/01	8260B
Chlorobenzene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	ug/l 12/11/01	8260B
Bromoform	< 2			ug/l 12/11/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 12/11/01	8260B
4-Bromofluorobenzene (surr)	100 %R	103 %R	101 %R	ug/l 12/11/01	8260B
1,2-Dichlorobenzene-D4 (surr)	104 %R	102 %R	101 %R	ug/l 12/11/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29042

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

BR1-Zone1, BR1-Zone2: for each of these samples, both vials were analyzed. Duplication of results between Vial A and Vial B for each sample were larger than can be attributable to the standard analytical variability of the method.

Data File : G:\1\DATA\DEC0801\SA120843.D

Vial: 43

Acq On : 11 Dec 2001 6:05 am

Operator: VG

Sample : 29042.04

Inst : VOAMS2

Misc : X1;5mL 1ST RUN

Multiplr: 1.00

MS Integration Params: INTP23.P

Quant Time: Dec 11 08:36:27 2001

Quant Results File: 2VID1206.RES

Quant Method : G:\1\METHODS\2VID1206.M (RTE Integrator)

Title : VOAMS2 624/8260B 12/6/01

Last Update : Fri Dec 07 10:12:21 2001

Response via : Initial Calibration

DataAcq Meth : 624

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	10.05	96	80833	10.00	ug/L	-0.05
44) Chlorobenzene-D5 IS	15.94	117	76836	10.00	ug/L	0.00
63) 1,4-Dichlorobenzene-D4 IS	19.11	152	39006	10.00	ug/L	0.00

System Monitoring Compounds

62) SS 4-BFB_MS	17.64	95	42638	9.98	ug/L	0.00
Spiked Amount	10.000	Range	86 - 115	Recovery	=	99.80%
79) SS 1,2-DCB-D4_MS	19.53	152	35482	10.01	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.10%
85) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount	40.000	Range	70 - 130	Recovery	=	0.00%#

Target Compounds

Qvalue

11) acetone	3.82	43	642	1.20	ug/L	#	39
25) cis-1,2-dichloroethene	7.32	96	658605	286.12	ug/L		94
26) 2-butanone (MEK)	6.95	43	907	1.16	ug/L	#	62
37) trichloroethene	11.00	95	198602	74.44	ug/L		89
50) tetrachloroethene	14.74	166	46789	18.13	ug/L		93
83) naphthaleneV	21.77	128	6412	1.29	ug/L		88
84) 1,2,3-trichlorobenzV	22.07	180	1023	0.52	ug/L	#	74

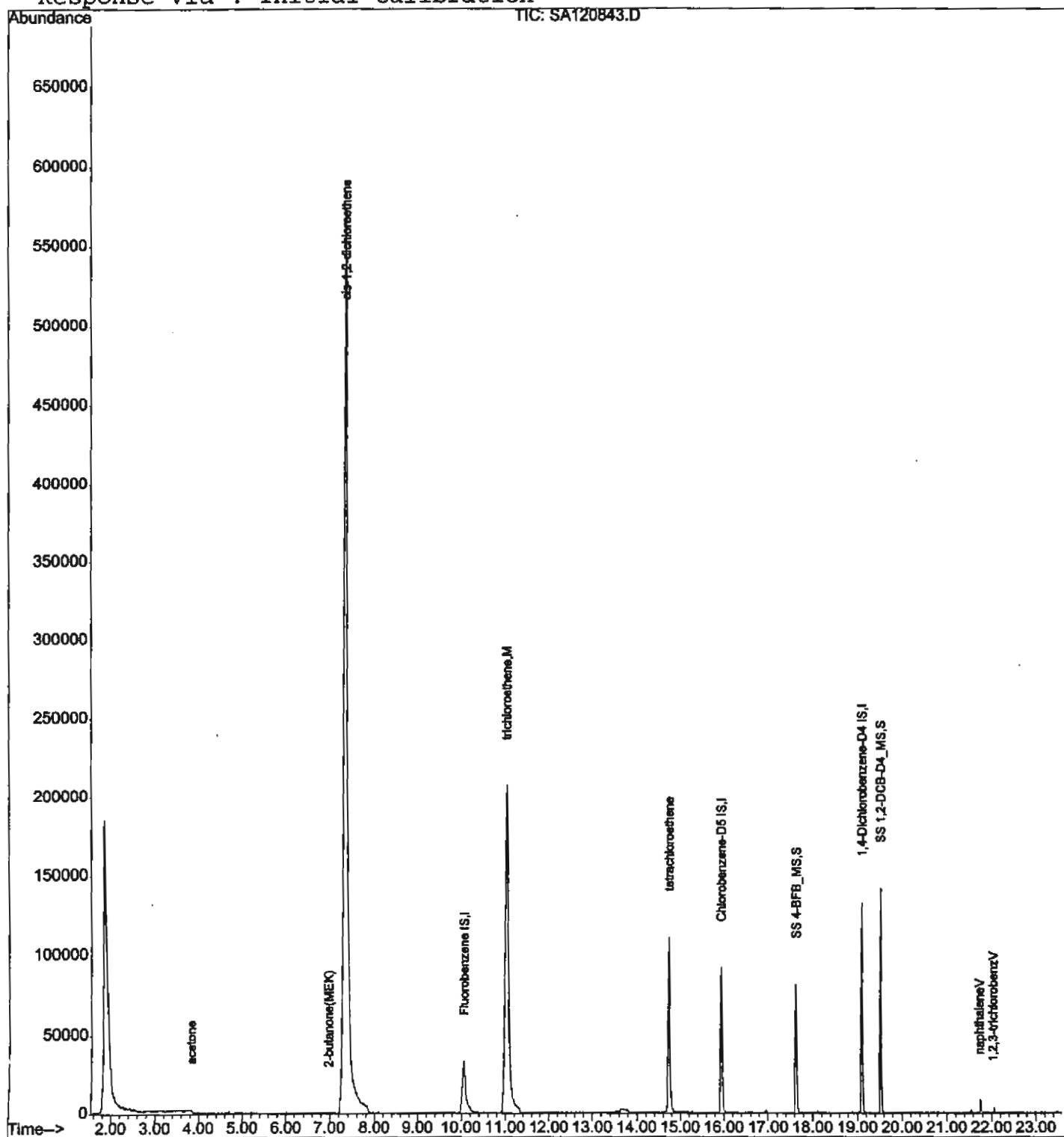
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\DEC0801\SA120843.D
Acq On : 11 Dec 2001 6:05 am
Sample : 29042.04
Misc : X1;5mL 1ST RUN
MS Integration Params: INTP23.P
Quant Time: Dec 11 8:28 2001

Vial: 43
Operator: VG
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2VID1206.RE

Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
Title : VOAMS2 624/8260B 12/6/01
Last Update : Fri Dec 07 10:12:21 2001
Response via : Initial Calibration



Data File : G:\1\DATA\DEC0801\SA120844.D
 Acq On : 11 Dec 2001 6:39 am
 Sample : 29042.04
 Misc : X1;5mL 2ND RUN
 MS Integration Params: INTP23.P
 Quant Time: Dec 11 08:36:33 2001

Vial: 44
 Operator: VG
 Inst : VOAMS2
 Multiplr: 1.00

Quant Results File: 2VID1206.RES

Quant Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
 Title : VOAMS2 624/8260B 12/6/01
 Last Update : Fri Dec 07 10:12:21 2001
 Response via : Initial Calibration
 DataAcq Meth : 624

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	10.04	96	82580	10.00	ug/L	-0.06
44) Chlorobenzene-D5 IS	15.94	117	76159	10.00	ug/L	0.00
63) 1,4-Dichlorobenzene-D4 IS	19.11	152	39978	10.00	ug/L	0.00

System Monitoring Compounds

62) SS 4-BFB MS	17.63	95	43542	10.28	ug/L	0.00
Spiked Amount	10.000	Range	86 - 115	Recovery	=	102.80%
79) SS 1,2-DCB-D4 MS	19.53	152	36491	10.05	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.50%
85) SS 2,5-DBT MS	0.00	250	0	0.00	ug/L	
Spiked Amount	40.000	Range	70 - 130	Recovery	=	0.00%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) acetone	3.81	43	329	0.60	ug/L	# 39
25) cis-1,2-dichloroethene	7.32	96	922687	392.37	ug/L	93
26) 2-butanone (MEK)	6.97	43	1483	1.86	ug/L	# 58
37) trichloroethene	11.02	95	372164	136.54	ug/L	88
45) toluene	13.64	91	5407	0.63	ug/L	90
50) tetrachloroethene	14.74	166	102658	40.12	ug/L	96

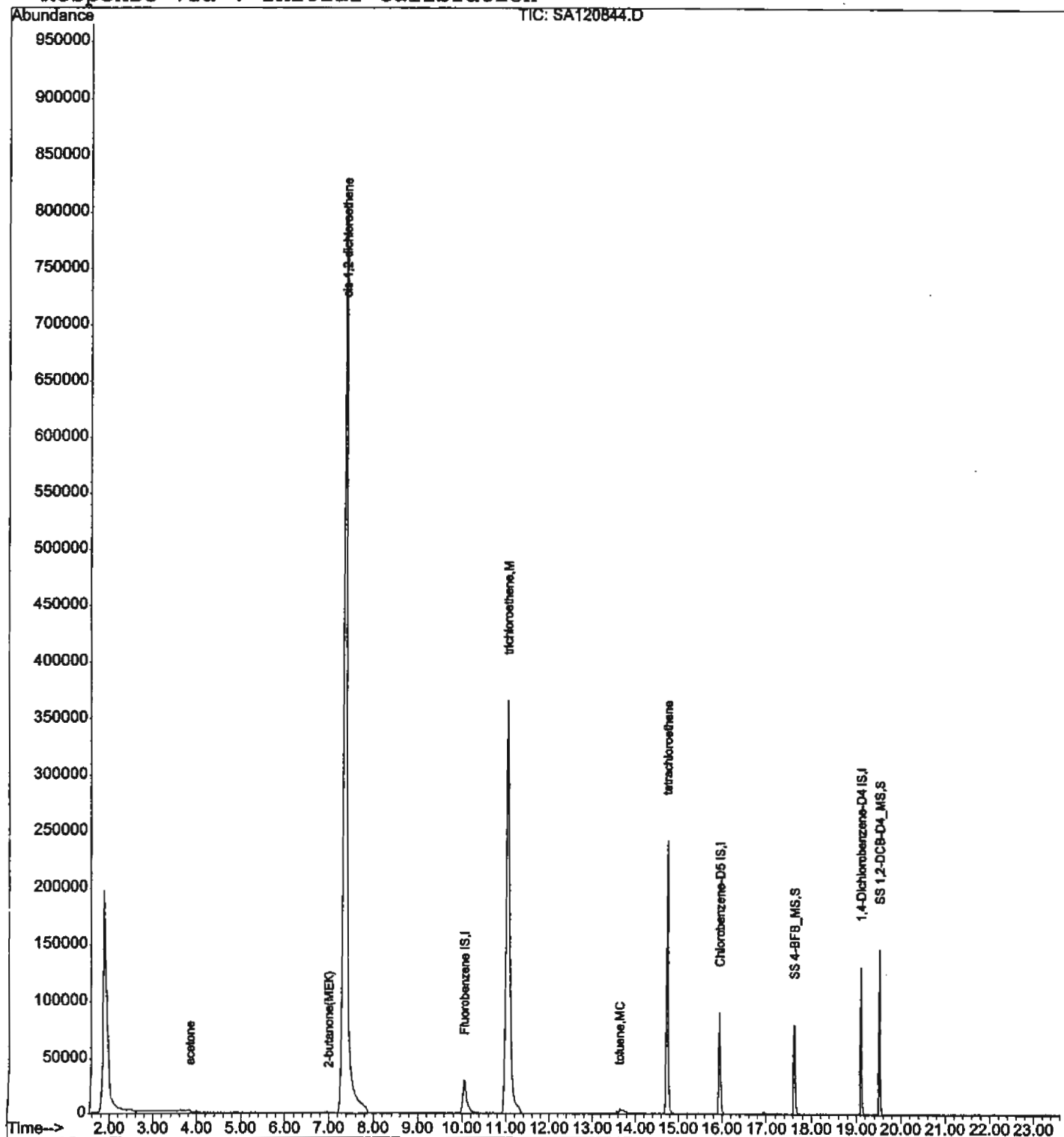
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\DEC0801\SA120844.D
Acq On : 11 Dec 2001 6:39 am
Sample : 29042.04
Misc : X1;5mL 2ND RUN
MS Integration Params: INTP23.P
Quant Time: Dec 11 8:28 2001

Vial: 44
Operator: VG
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2VID1206.RES

Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
Title : VOAMS2 624/8260B 12/6/01
Last Update : Fri Dec 07 10:12:21 2001
Response via : Initial Calibration



Data File : G:\1\DATA\DEC0801\SA120845.D
Acq On : 11 Dec 2001 7:13 am
Sample : 29042.05
Misc : X1;5mL 1ST RUN
MS Integration Params: INTP23.P
Quant Time: Dec 11 08:36:39 2001

Vial: 45
Operator: VG
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2VID1206.RES

Quant Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
Title : VOAMS2 624/8260B 12/6/01
Last Update : Fri Dec 07 10:12:21 2001
Response via : Initial Calibration
DataAcq Meth : 624

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene IS	10.05	96	89282	10.00	ug/L	-0.06
44) Chlorobenzene-D5 IS	15.94	117	77761	10.00	ug/L	0.00
63) 1,4-Dichlorobenzene-D4 IS	19.11	152	39915	10.00	ug/L	0.00

System Monitoring Compounds

62) SS 4-BFB_MS	17.63	95	42990	9.94	ug/L	0.00
Spiked Amount	10.000	Range 86 - 115	Recovery	=	99.40%	
79) SS 1,2-DCB-D4_MS	19.53	152	37368	10.30	ug/L	0.00
Spiked Amount	10.000	Range 80 - 120	Recovery	=	103.00%	
85) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount	40.000	Range 70 - 130	Recovery	=	0.00%#	

Target Compounds

Qvalue

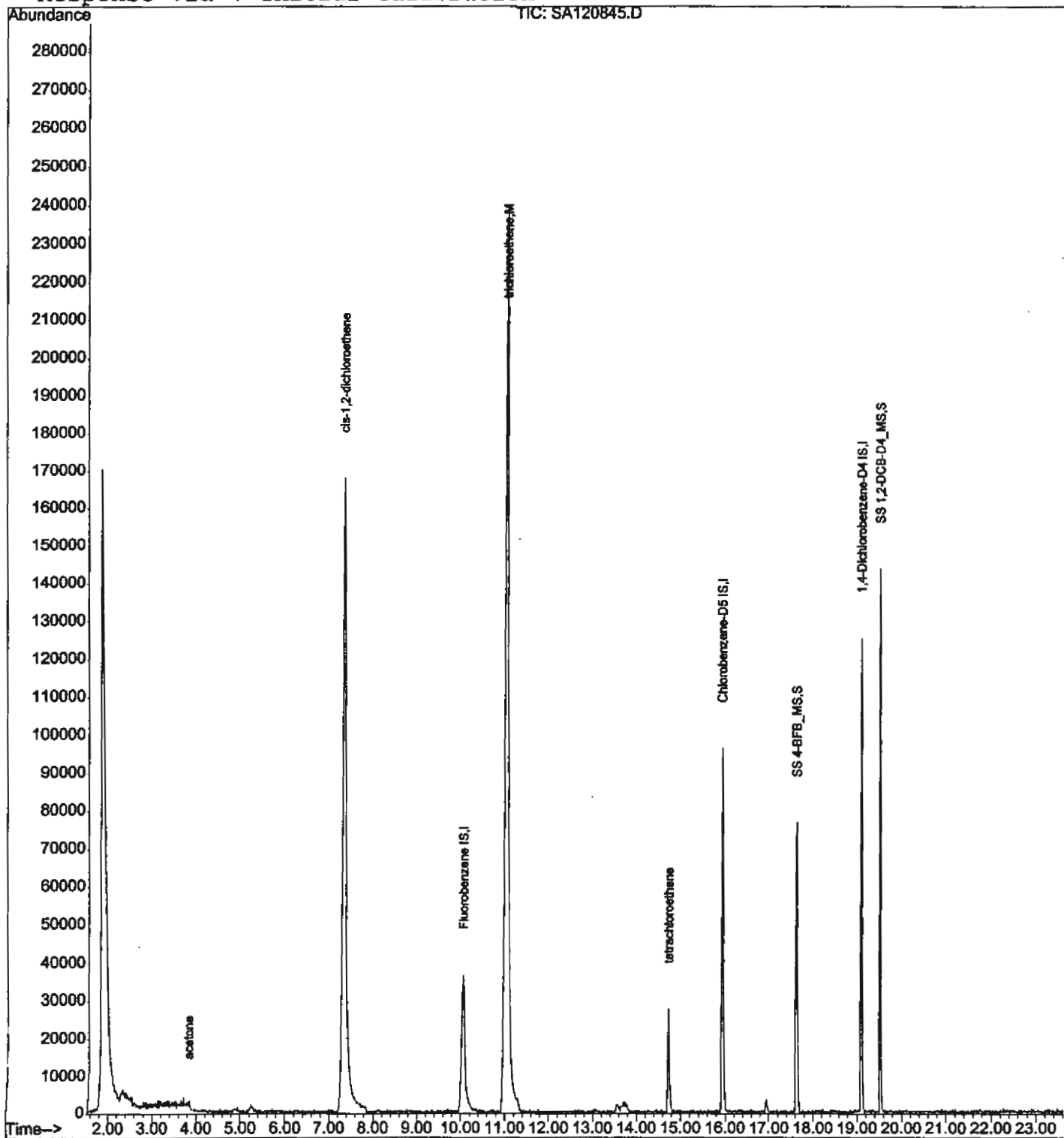
11) acetone	3.80	43	513	0.87	ug/L	64
25) cis-1,2-dichloroethene	7.31	96	199911	78.63	ug/L	91
37) trichloroethene	11.01	95	219438	74.46	ug/L	91
50) tetrachloroethene	14.74	166	10934	4.19	ug/L	97

Data File : G:\1\DATA\DEC0801\SA120845.D
Acq On : 11 Dec 2001 7:13 am
Sample : 29042.05
Misc : X1;5mL 1ST RUN
MS Integration Params: INTP23.P
Quant Time: Dec 11 8:29 2001

Vial: 45
Operator: VG
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2VID1206.RE

Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
Title : VOAMS2 624/8260B 12/6/01
Last Update : Fri Dec 07 10:12:21 2001
Response via : Initial Calibration



Data File : G:\1\DATA\DEC0801\SA120846.D
 Acq On : 11 Dec 2001 7:47 am
 Sample : 29042.05
 Misc : X1;5mL 2ND RUN
 MS Integration Params: INTP23.P
 Quant Time: Dec 11 08:31:54 2001

Vial: 46
 Operator: VG
 Inst : VOAMS2
 Multiplr: 1.00

Quant Results File: 2VID1206.RES

Quant Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
 Title : VOAMS2 624/8260B 12/6/01
 Last Update : Fri Dec 07 10:12:21 2001
 Response via : Initial Calibration
 DataAcq Meth : 624

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	10.05	96	88723	10.00	ug/L	-0.06
44) Chlorobenzene-D5 IS	15.93	117	77863	10.00	ug/L	-0.01
63) 1,4-Dichlorobenzene-D4 IS	19.11	152	38280	10.00	ug/L	0.00

System Monitoring Compounds

62) SS 4-BFB_MS	17.63	95	43146	9.96	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery =	99.60%		
79) SS 1,2-DCB-D4_MS	19.53	152	36413	10.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery =	104.70%		
85) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery =	0.00%#		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) acetone	3.77	43	477	0.81	ug/L	58
18) trans-1,2-dichloroethene	5.25	96	2388	1.12	ug/L #	46
25) cis-1,2-dichloroethene	7.31	96	280538	111.04	ug/L	92
37) trichloroethene	11.01	95	441572	150.78	ug/L	93
50) tetrachloroethene	14.73	166	26749	10.23	ug/L	96

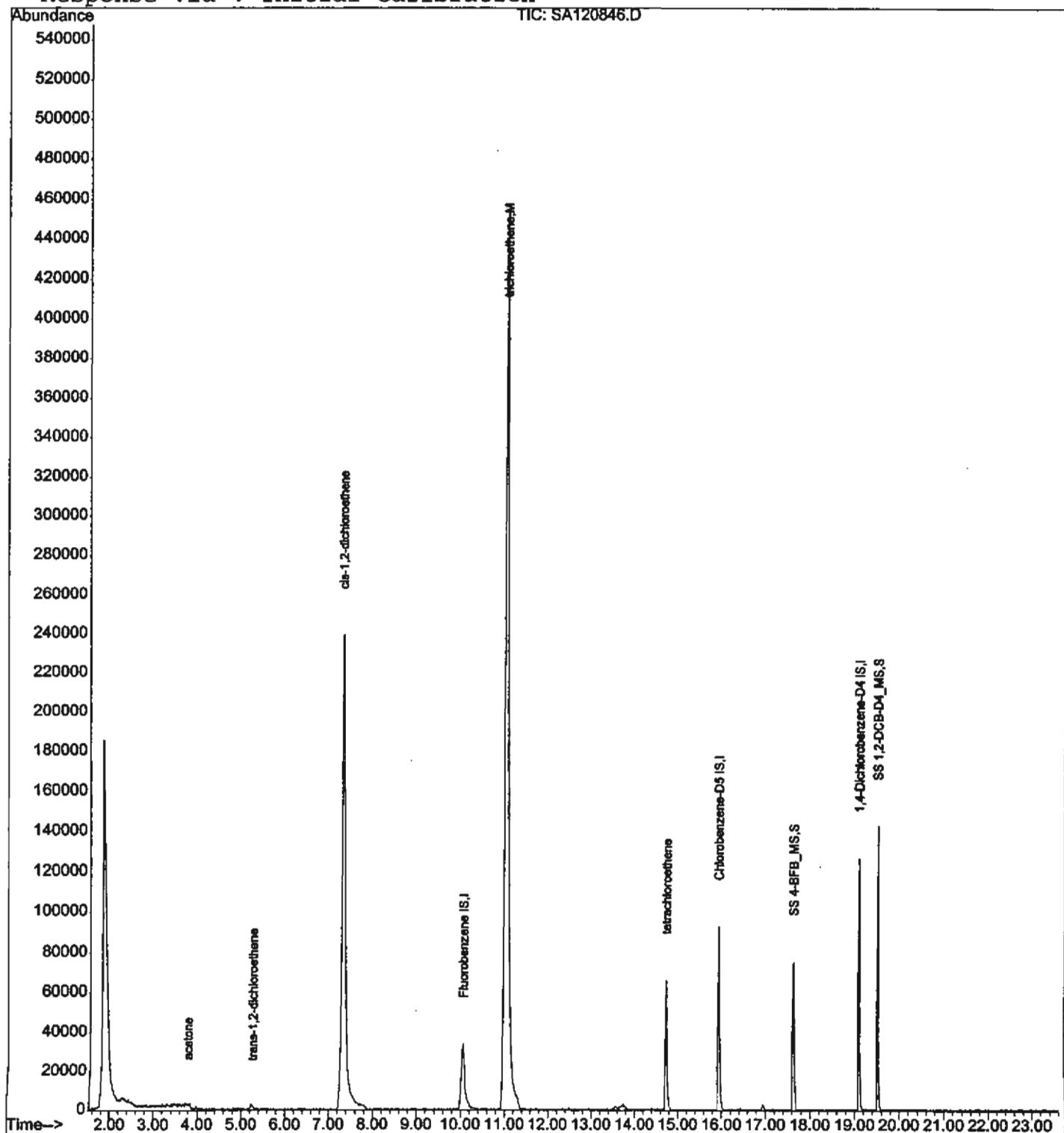
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\DEC0801\SA120846.D
Acq On : 11 Dec 2001 7:47 am
Sample : 29042.05
Misc : X1;5mL 2ND RUN
MS Integration Params: INTP23.P
Quant Time: Dec 11 8:24 2001

Vial: 46
Operator: VG
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2VID1206.RE

Method : G:\1\METHODS\2VID1206.M (RTE Integrator)
Title : VOAMS2 624/8260B 12/6/01
Last Update : Fri Dec 07 10:12:21 2001
Response via : Initial Calibration





EAI's Sample Acceptance Policy

NELAC certification standards require that laboratories establish a Sample Acceptance Policy (SAP) and inform customers of this policy. NELAC further requires that laboratories document any deviations of the SAP on the final report. It is the responsibility of Eastern Analytical, Inc. to notify customers immediately of any deviations. All correspondence and communication regarding deviations become part of the case file.

Upon receipt in the laboratory, samples will be inspected according to the following EAI SAP criteria:

1. Completeness of COC documentation including but not limited to:
 - a. Sample collector
 - b. Date and time of collection
 - c. Unique sample identification
 - d. Sample matrix
 - e. Preservation method
 - f. Any special notes regarding the sample
2. Integrity of sample label
3. Use of indelible ink
4. Proper sample container types
5. Proper chemical preservation
6. Proper thermal preservation
All samples requiring thermal preservation should arrive at the laboratory packed in ice.
7. Presence of headspace in VOC vials
8. Adherence to holding time
9. Adequate sample volume
10. Integrity of sample containers
11. Integrity and quantity of custody seals, if applicable.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drinking W. WW - Waste W. ☐ Other	# of Containers	Requested Analyses	Notes
1	AP-2	11/24/01 9:35	GW	2	☐ 524.2 ☐ BTEX only ☐ 8260B ☐ Oxygenates ☐ 8260B plus TICS ☐ 624 ☐ 8021B ☐ 8021B-Halos ☐ 8021B-Aromatics ☐ 601/602 ☐ 601 ☐ 602 ☐ Methane Only ☐ Methane & Ethane/Ethane ☐ MA VPH ☐ ME GRO ☐ 8015 GRO ☐ MA EPH ☐ PAH 8270 ☐ TPH Fingerprint ☐ U ☐ LI ☐ ME DRO ☐ 8015B DRO ☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ TICS ☐ Pesticides/PCBs ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (List Below) ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ F ☐ Cl ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ ☐ pH ☐ Spec. Con. ☐ BOD ☐ T. Alk ☐ Carb. Alk ☐ Bi. Alk ☐ TKN ☐ NH ₃ ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH Method 1664 ☐ Cyanide ☐ Sulfide ☐ Flash ☐ Ignit ☐ React CN ☐ React S ₂ ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F Strip TCUP ☐ Metals ☐ VOC ☐ ABN ☐ Herbicides ☐ Pesticides	
2	P-9A	11/30/01 10:10		2		
3	P-9B	11/30/01 10:15		2		
4	P-18			2		
5	P-20			2		
6	P-21			2		
7	P-23			2		
8	STR-11	11/29/01 8:50		2		
9	Field Blank-12			2		
10	Tripp Blank-12			2		

PROJECT MANAGER: Karen Brody

COMPANY: IT Corporation

ADDRESS: 88C Elm Street

CITY: Hopkinton STATE MA ZIP 01748

PHONE: (508) 497-6101 EXT: _____

FAX: (508) 435-9641

E-MAIL: kbrody@theitgroup.com

SITE NAME: Varian Beverly

PROJECT # 823398-03

STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____

☐ Site historically contaminated

RESULTS NEEDED BY

(either preferred date):
 (Guaranteed report turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☒ B ☐ C

Reporting Options:
☒ Hard Copy ☐ Fax
☐ Electronic
☐ E-Mail ☐ Disk

FOR LAB USE ONLY
 Adhered to EPA Protocol
☐ Yes ☒ No (see attached)
 Temp: _____
 Ice: ☒ Yes ☐ No
 Custody Seal Intact?
☐ Yes ☐ No

Other Metals: ☐ 8 RCRA Metals ☐ Fe, Mn ☐ 13 PP Metals

Dissolved Metals Field Filtered? ☐ Yes ☒ No

NOTES: (i.e., Special Detection Limits, Billing info, if different)

EPA 8021B- Site Specific List

AP-2 HAS

PERMANENT

Vials for P-9B in cooler.

COOLER #12

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____



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 - b. Date and time of collection
 - c. Unique sample identification
 - d. Sample matrix
 - e. Preservation method
 - f. Any special notes regarding the sample
2. Integrity of sample label
3. Use of indelible ink
4. Proper sample container types
5. Proper chemical preservation
6. Proper thermal preservation
All samples requiring thermal preservation should arrive at the laboratory packed in ice.
7. Presence of headspace in VOC vials
8. Adherence to holding time
9. Adequate sample volume
10. Integrity of sample containers
11. Integrity and quantity of custody seals, if applicable.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29095

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B
Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120
Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29095

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/11/01 8260B
Vinyl chloride	< 2			ug/l	12/11/01 8260B
Bromomethane	< 10			ug/l	12/11/01 8260B
Chloroethane	< 10			ug/l	12/11/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/11/01 8260B
1,1-Dichloroethene	< 1	24 (120 %R)	23 (113 %R) (6 RPD)	ug/l	12/11/01 8260B
Methylene chloride	< 5			ug/l	12/11/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/11/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/11/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/11/01 8260B
Chloroform	< 2			ug/l	12/11/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/11/01 8260B
Carbon tetrachloride	< 2			ug/l	12/11/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/11/01 8260B
Trichloroethene	< 2	22 (111 %R)	21 (104 %R) (7 RPD)	ug/l	12/11/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/11/01 8260B
Bromodichloromethane	< 2			ug/l	12/11/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/11/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/11/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/11/01 8260B
Tetrachloroethene	< 2			ug/l	12/11/01 8260B
Dibromochloromethane	< 2			ug/l	12/11/01 8260B
Chlorobenzene	< 2	25 (125 %R)	24 (121 %R) (3 RPD)	ug/l	12/11/01 8260B
Bromoform	< 2			ug/l	12/11/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/11/01 8260B
4-Bromofluorobenzene (surr)	90 %R	91 %R	87 %R	ug/l	12/11/01 8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	100 %R	96 %R	ug/l	12/11/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29095

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	MS/MSD		Matrix Spike	MSD	Date of Analysis		Method
		Parent				Units		
Chloromethane	< 10					ug/l	12/11/01	8260B
Vinyl chloride	< 2					ug/l	12/11/01	8260B
Bromomethane	< 10					ug/l	12/11/01	8260B
Chloroethane	< 10					ug/l	12/11/01	8260B
Trichlorofluoromethane	< 2					ug/l	12/11/01	8260B
1,1-Dichloroethene	< 1	< 1	28 (134 %R)	26 (126 %R) (6 RPD)		ug/l	12/11/01	8260B
Methylene chloride	< 5					ug/l	12/11/01	8260B
trans-1,2-Dichloroethene	< 2					ug/l	12/11/01	8260B
1,1-Dichloroethane	< 2					ug/l	12/11/01	8260B
cis-1,2-Dichloroethene	< 2					ug/l	12/11/01	8260B
Chloroform	< 2					ug/l	12/11/01	8260B
1,1,1-Trichloroethane	< 2					ug/l	12/11/01	8260B
Carbon tetrachloride	< 2					ug/l	12/11/01	8260B
1,2-Dichloroethane	< 2					ug/l	12/11/01	8260B
Trichloroethene	< 2	17	39 (112 %R)	38 (106 %R) (6 RPD)		ug/l	12/11/01	8260B
1,2-Dichloropropane	< 2					ug/l	12/11/01	8260B
Bromodichloromethane	< 2					ug/l	12/11/01	8260B
cis-1,3-Dichloropropene	< 2					ug/l	12/11/01	8260B
trans-1,3-Dichloropropene	< 2					ug/l	12/11/01	8260B
1,1,2-Trichloroethane	< 2					ug/l	12/11/01	8260B
Tetrachloroethene	< 2					ug/l	12/11/01	8260B
Dibromochloromethane	< 2					ug/l	12/11/01	8260B
Chlorobenzene	< 2	< 2	25 (124 %R)	23 (117 %R) (6 RPD)		ug/l	12/11/01	8260B
Bromoform	< 2					ug/l	12/11/01	8260B
1,1,2,2-Tetrachloroethane	< 2					ug/l	12/11/01	8260B
4-Bromofluorobenzene (surr)	88 %R	93 %R	93 %R		89 %R	ug/l	12/11/01	8260B
1,2-Dichlorobenzene-D4 (surr)	112 %R	109 %R	99 %R		99 %R	ug/l	12/11/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29095

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	AP-2	STR-11	Field Trip Blank-12	Blank-12
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01	11/29/01	11/29/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/11/01	12/11/01	12/11/01	12/11/01
Analyst:	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B
Dilution Factor:	10	1	1	1
Chloromethane	< 20	< 10	< 10	< 10
Vinyl chloride	< 20	4	< 2	< 2
Bromomethane	< 20	< 10	< 10	< 10
Chloroethane	< 50	< 10	< 10	< 10
Trichlorofluoromethane	< 20	< 2	< 2	< 2
1,1-Dichloroethene	< 10	< 1	< 1	< 1
Methylene chloride	< 50	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 10	< 2	< 2	< 2
1,1-Dichloroethane	30	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 10	33	< 2	< 2
Chloroform	500	< 2	< 2	< 2
1,1,1-Trichloroethane	1000	< 2	< 2	< 2
Carbon tetrachloride	660	< 2	< 2	< 2
1,2-Dichloroethane	< 10	< 2	< 2	< 2
Trichloroethene	< 10	17	< 2	< 2
1,2-Dichloropropane	< 10	< 2	< 2	< 2
Bromodichloromethane	< 10	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 10	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 10	< 2	< 2	< 2
1,1,2-Trichloroethane	40	< 2	< 2	< 2
Tetrachloroethene	< 10	5	< 2	< 2
Dibromochloromethane	< 10	< 2	< 2	< 2
Chlorobenzene	< 10	< 2	< 2	< 2
Bromoform	< 20	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 10	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	89 %R	93 %R	89 %R	89 %R
1,2-Dichlorobenzene-D4 (surr)	106 %R	109 %R	116 %R	115 %R



Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

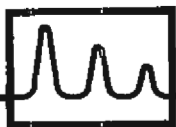
Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 6

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Temp.	Exceptions/Comments (other than thermal preservation)
29095.01	AP-2	11/30/01	11/29/01	aqueous		6° C	Adheres to SAP
29095.03	STR-11	11/30/01	11/29/01	aqueous		6° C	Adheres to SAP
29095.04	Field Blank-12	11/30/01	11/29/01	aqueous		6° C	Adheres to SAP
29095.05	Trip Blank-12	11/30/01	11/29/01	aqueous		6° C	Adheres to SAP

SAP = Sample Acceptance Policy



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton, MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29095
Client Identification: Varian Beverly 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/18/01

Date

6

of pages (excluding cover letter)



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29097
Client Identification: Varian Beverly 823398-03
Date Received: 11/30/2001

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/18/01

Date

9

of pages (excluding cover letter)



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	MW1-DO	MW-36	CL5-DOA	CL8-DO	CL3-DO	CL3-S	Field Blank-11
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01	11/29/01	11/29/01	11/29/01	11/29/01	11/29/01
Date Received:	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	12/8/01	12/13/01	12/9/01	12/8/01	12/7/01	12/13/01	12/7/01
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1000	1	100	1	1
Chloromethane	< 10	< 10	< 2000	< 10	< 200	< 10	< 10
Vinyl chloride	< 2	< 2	< 2000	< 2	< 200	< 2	< 2
Bromomethane	< 10	< 10	< 2000	< 10	< 200	< 10	< 10
Chloroethane	< 10	< 10	< 5000	< 10	< 500	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2000	< 2	< 200	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1000	< 1	< 100	< 1	< 1
Methylene chloride	< 5	< 5	< 5000	< 5	< 500	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
cis-1,2-Dichloroethene	30	< 2	4000	< 2	8600	< 2	< 2
Chloroform	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	3000	< 2	< 100	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
Trichloroethene	120	6	190000	5	28000	4	< 2
1,2-Dichloropropane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
Bromodichloromethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
Tetrachloroethene	36	< 2	75000	< 2	6700	< 2	< 2
Dibromochloromethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
Chlorobenzene	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
Bromoform	< 2	< 2	< 2000	< 2	< 200	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 1000	< 2	< 100	< 2	< 2
4-Bromofluorobenzene (surr)	97 %R	99 %R	98 %R	100 %R	96 %R	98 %R	101 %R
1,2-Dichlorobenzene-D4 (surr)	92 %R	103 %R	102 %R	99 %R	100 %R	102 %R	101 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varlan Beverly 823398-03

Sample ID:	Trip Blank-11	CL3-BR
Analytical Type:	Sample	Sample
Matrix:	aqueous	aqueous
Date Sampled:	11/29/01	11/29/01
Date Received:	11/30/01	11/30/01
Units:	ug/l	ug/l
Date of Analysis:	12/7/01	12/8/01
Analyst:	JDS	JDS
Method:	8260B	8260B
Dilution Factor:	1	100
Chloromethane	< 10	< 200
Vinyl chloride	< 2	< 200
Bromomethane	< 10	< 200
Chloroethane	< 10	< 500
Trichlorofluoromethane	< 2	< 200
1,1-Dichloroethene	< 1	< 100
Methylene chloride	< 5	< 500
trans-1,2-Dichloroethene	< 2	< 100
1,1-Dichloroethane	< 2	< 100
cis-1,2-Dichloroethene	< 2	11000
Chloroform	< 2	< 100
1,1,1-Trichloroethane	< 2	< 100
Carbon tetrachloride	< 2	< 100
1,2-Dichloroethane	< 2	< 100
Trichloroethene	< 2	42000
1,2-Dichloropropane	< 2	< 100
Bromodichloromethane	< 2	< 100
cis-1,3-Dichloropropene	< 2	< 100
trans-1,3-Dichloropropene	< 2	< 100
1,1,2-Trichloroethane	< 2	< 100
Tetrachloroethene	< 2	11000
Dibromochloromethane	< 2	< 100
Chlorobenzene	< 2	< 100
Bromoform	< 2	< 200
1,1,2,2-Tetrachloroethane	< 2	< 100
4-Bromofluorobenzene (surr)	99 %R	98 %R
1,2-Dichlorobenzene-D4 (surr)	100 %R	101 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

CL5-DOA: The value for Trichloroethene was obtained on 12/12/01 at a dilution factor of 10000.

CL3-DO: The value for Trichloroethene was obtained on 12/12/01 at a dilution factor of 1000.

CL3-BR: The value for Trichloroethene was obtained on 12/11/01 at a dilution factor of 1000.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	
						Method
Chloromethane	< 10			ug/l	12/8/01	8260B
Vinyl chloride	< 2			ug/l	12/8/01	8260B
Bromomethane	< 10			ug/l	12/8/01	8260B
Chloroethane	< 10			ug/l	12/8/01	8260B
Trichlorofluoromethane	< 2			ug/l	12/8/01	8260B
1,1-Dichloroethene	< 1	15 (77 %R)	15 (73 %R) (5 RPD)	ug/l	12/8/01	8260B
Methylene chloride	< 5			ug/l	12/8/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/8/01	8260B
1,1-Dichloroethane	< 2			ug/l	12/8/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/8/01	8260B
Chloroform	< 2			ug/l	12/8/01	8260B
1,1,1-Trichloroethane	< 2			ug/l	12/8/01	8260B
Carbon tetrachloride	< 2			ug/l	12/8/01	8260B
1,2-Dichloroethane	< 2			ug/l	12/8/01	8260B
Trichloroethene	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	ug/l	12/8/01	8260B
1,2-Dichloropropane	< 2			ug/l	12/8/01	8260B
Bromodichloromethane	< 2			ug/l	12/8/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/8/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/8/01	8260B
1,1,2-Trichloroethane	< 2			ug/l	12/8/01	8260B
Tetrachloroethene	< 2			ug/l	12/8/01	8260B
Dibromochloromethane	< 2			ug/l	12/8/01	8260B
Chlorobenzene	< 2	22 (112 %R)	21 (107 %R) (5 RPD)	ug/l	12/8/01	8260B
Bromoform	< 2			ug/l	12/8/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/8/01	8260B
4-Bromofluorobenzene (surr)	99 %R	102 %R	100 %R	ug/l	12/8/01	8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	100 %R	98 %R	ug/l	12/8/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	12/9/01 8260B
Vinyl chloride	< 2			ug/l	12/9/01 8260B
Bromomethane	< 10			ug/l	12/9/01 8260B
Chloroethane	< 10			ug/l	12/9/01 8260B
Trichlorofluoromethane	< 2			ug/l	12/9/01 8260B
1,1-Dichloroethene	< 1	14 (72 %R)	13 (67 %R) (7 RPD)	ug/l	12/9/01 8260B
Methylene chloride	< 5			ug/l	12/9/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/9/01 8260B
1,1-Dichloroethane	< 2			ug/l	12/9/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/9/01 8260B
Chloroform	< 2			ug/l	12/9/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	12/9/01 8260B
Carbon tetrachloride	< 2			ug/l	12/9/01 8260B
1,2-Dichloroethane	< 2			ug/l	12/9/01 8260B
Trichloroethene	< 2	21 (103 %R)	20 (100 %R) (3 RPD)	ug/l	12/9/01 8260B
1,2-Dichloropropane	< 2			ug/l	12/9/01 8260B
Bromodichloromethane	< 2			ug/l	12/9/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/9/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/9/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	12/9/01 8260B
Tetrachloroethene	< 2			ug/l	12/9/01 8260B
Dibromochloromethane	< 2			ug/l	12/9/01 8260B
Chlorobenzene	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	ug/l	12/9/01 8260B
Bromoform	< 2			ug/l	12/9/01 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/9/01 8260B
4-Bromofluorobenzene (surr)	100 %R	99 %R	98 %R	ug/l	12/9/01 8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	103 %R	99 %R	ug/l	12/9/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	
						Method
Chloromethane	< 10			ug/l	12/13/01	8260B
Vinyl chloride	< 2			ug/l	12/13/01	8260B
Bromomethane	< 10			ug/l	12/13/01	8260B
Chloroethane	< 10			ug/l	12/13/01	8260B
Trichlorofluoromethane	< 2			ug/l	12/13/01	8260B
1,1-Dichloroethene	< 1	12 (61 %R)	16 (78 %R) (24 RPD)	ug/l	12/13/01	8260B
Methylene chloride	< 5			ug/l	12/13/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l	12/13/01	8260B
1,1-Dichloroethane	< 2			ug/l	12/13/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l	12/13/01	8260B
Chloroform	< 2			ug/l	12/13/01	8260B
1,1,1-Trichloroethane	< 2			ug/l	12/13/01	8260B
Carbon tetrachloride	< 2			ug/l	12/13/01	8260B
1,2-Dichloroethane	< 2			ug/l	12/13/01	8260B
Trichloroethene	< 2	19 (94 %R)	22 (112 %R) (17 RPD)	ug/l	12/13/01	8260B
1,2-Dichloropropane	< 2			ug/l	12/13/01	8260B
Bromodichloromethane	< 2			ug/l	12/13/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l	12/13/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l	12/13/01	8260B
1,1,2-Trichloroethane	< 2			ug/l	12/13/01	8260B
Tetrachloroethene	< 2			ug/l	12/13/01	8260B
Dibromochloromethane	< 2			ug/l	12/13/01	8260B
Chlorobenzene	< 2	21 (107 %R)	23 (115 %R) (7 RPD)	ug/l	12/13/01	8260B
Bromoform	< 2			ug/l	12/13/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	12/13/01	8260B
4-Bromofluorobenzene (surr)	97 %R	98 %R	98 %R	ug/l	12/13/01	8260B
1,2-Dichlorobenzene-D4 (surr)	101 %R	104 %R	105 %R	ug/l	12/13/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29097

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

ITEM # for lab use only	SAMPLE ID.	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. CW - Drinking W. WW - Waste W. ☐ Other	G-Grab, C-Comp	# Containers	NOTES Tenax tube #s MEOH Vial #
1	MWJ-DO	11/29/01/14:08	GW	☒	2	
2	MW-36	11/29/01/10:55		☒	2	
3	CL5-D0A	11/29/01/14:15		☒	2	
	CL8-S	SAE				
4	CL8-D0	11/29/01/11:55		☒	2	
5	CL3-D0	11/29/01/13:10		☒	2	
6	CL3-S	11/29/01/12:20		☒	2	
7	Field Blank-11	11/29/01 1500		☒	1	
8	Trip Blank-11	11/29/01/14:35		☒	1	
9	CL3-BR	11/29/01/12:30		☒	H	

COOLER #11

EPA 8021B-Site Specific List

NOTES: (I.e., Special Detection Limits, Billing Info. if different)

RESULTS NEEDED BY

(enter preferred date): _____

QA / QC Reporting Level

□A □B □C

Electronic:
☒ E-Mail ☐ Disk

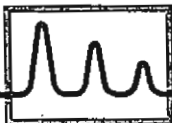
Order # 172451
P.O.# cjoe@theitgroup.com

Sample(s): Sean Metivill
 Relinquished by: ~~Sean Metivill~~ 11/29/01 15:00
 Date: 11/29/01 Time: 15:00
 Received by: ast

Requisitioned by	Date	Time	Received by
<i>[Signature]</i>	11/30/07	12:25	<i>[Signature]</i>
<i>[Signature]</i>	11/30/07	2:40	<i>[Signature]</i>
<i>[Signature]</i>	11/30/07	2:40	<i>[Signature]</i>

FOR LAB USE ONLY
Adhered to EPA Protocol
☐ Yes ☐ No (see attached)
Temp. 5 °C
Ice: ☒ Yes ☐ No

(WHITE: Original YELLOW: Lab Files PINK: Project manager)



eastern analytical

professional laboratory services

Karen Brody
IT Corp. (Hop)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29554
Client Identification: Varian Beverly 823398-03
Date Received: 1/15/2002

Dear Ms. Brody :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

1/29/02

Date

10

of pages (excluding cover letter)



Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Temperature upon receipt (°C): 3

Received on ice or cold packs (Yes/No): Y

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
29554.01	P-4	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.02	P-5	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.03	P-9	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.04	P-10	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.05	P-11	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.06	P-12	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.07	P-13	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.08	P-14	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.09	P-18	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.1	P-19A	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.11	P-20	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.12	P-21	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.13	P-23	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.14	P-24	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.15	CL6-S	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.16	CL8-S	1/15/02	1/10/02	aqueous		Adheres to Sample Acceptance Policy
29554.17	Field Blank	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy
29554.18	Trip Blank	1/15/02	1/11/02	aqueous		Adheres to Sample Acceptance Policy



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	P-4	P-5	P-9	P-10	P-11	P-12	P-13
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	1/11/02	1/11/02	1/11/02	1/11/02	1/11/02	1/11/02	1/11/02
Date Received:	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	1/21/02	1/22/02	1/25/02	1/22/02	1/22/02	1/22/02	1/21/02
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260Bmod	8260Bmod	8260B	8260Bmod	8260Bmod	8260Bmod	8260Bmod
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	78	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	2	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	3	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	350	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	98 %R	97 %R	103 %R	98 %R	98 %R	100 %R	100 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R	102 %R	102 %R	101 %R	101 %R	103 %R	100 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	P-14	P-18	P-19A	P-20	P-21	P-23	P-24
Analytical Type:	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	1/11/02	1/11/02	1/10/02	1/11/02	1/10/02	1/10/02	1/10/02
Date Received:	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02	1/15/02
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	1/21/02	1/21/02	1/21/02	1/22/02	1/22/02	1/22/02	1/22/02
Analyst:	JDS	JDS	JDS	JDS	JDS	JDS	JDS
Method:	8260Bmod	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	2	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	2	2	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	5	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	2	3	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	38	270	26	21	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	15	22	110	5	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	3	5	13	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	102 %R	98 %R	99 %R	102 %R	100 %R	100 %R	98 %R
1,2-Dichlorobenzene-d4 (surr)	100 %R	103 %R	101 %R	102 %R	99 %R	96 %R	105 %R



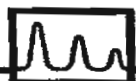
LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Sample ID:	CL6-S	CL8-S	Field Blank	Trip Blank
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	1/10/02	1/10/02	1/11/02	1/11/02
Date Received:	1/15/02	1/15/02	1/15/02	1/15/02
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	1/22/02	1/22/02	1/23/02	1/21/02
Analyst:	JDS	JDS	JDS	JDS
Method:	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1
Chloromethane	< 10	< 10	< 10	< 10
Vinyl chloride	< 2	< 2	< 2	< 2
Bromomethane	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2
Chloroform	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2
1,2-Dichloroethane	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2	< 2
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2
Tetrachloroethene	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2
Bromoform	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2
4-Bromofluorobenzene (surr)	98 %R	100 %R	97 %R	101 %R
1,2-Dichlorobenzene-d4 (surr)	102 %R	100 %R	98 %R	98 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	1/21/02 8260B
Vinyl chloride	< 2			ug/l	1/21/02 8260B
Bromomethane	< 10			ug/l	1/21/02 8260B
Chloroethane	< 10			ug/l	1/21/02 8260B
Trichlorofluoromethane	< 2			ug/l	1/21/02 8260B
1,1-Dichloroethene	< 1	22 (108 %R)	21 (106 %R) (2 RPD)	ug/l	1/21/02 8260B
Methylene chloride	< 5			ug/l	1/21/02 8260B
trans-1,2-Dichloroethene	< 2			ug/l	1/21/02 8260B
1,1-Dichloroethane	< 2			ug/l	1/21/02 8260B
cis-1,2-Dichloroethene	< 2			ug/l	1/21/02 8260B
Chloroform	< 2			ug/l	1/21/02 8260B
1,1,1-Trichloroethane	< 2			ug/l	1/21/02 8260B
Carbon tetrachloride	< 2			ug/l	1/21/02 8260B
1,2-Dichloroethane	< 2			ug/l	1/21/02 8260B
Trichloroethene	< 2	21 (106 %R)	21 (103 %R) (3 RPD)	ug/l	1/21/02 8260B
1,2-Dichloropropane	< 2			ug/l	1/21/02 8260B
Bromodichloromethane	< 2			ug/l	1/21/02 8260B
cis-1,3-Dichloropropene	< 2			ug/l	1/21/02 8260B
trans-1,3-Dichloropropene	< 2			ug/l	1/21/02 8260B
1,1,2-Trichloroethane	< 2			ug/l	1/21/02 8260B
Tetrachloroethene	< 2			ug/l	1/21/02 8260B
Dibromochloromethane	< 2			ug/l	1/21/02 8260B
Chlorobenzene	< 2	22 (109 %R)	21 (107 %R) (2 RPD)	ug/l	1/21/02 8260B
Bromoform	< 2			ug/l	1/21/02 8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	1/21/02 8260B
4-Bromofluorobenzene (surr)	101 %R	99 %R	99 %R	ug/l	1/21/02 8260B
1,2-Dichlorobenzene-d4 (surr)	99 %R	102 %R	102 %R	ug/l	1/21/02 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

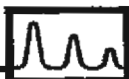
Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Chloromethane	< 10			ug/l	8260B
Vinyl chloride	< 2			ug/l	8260B
Bromomethane	< 10			ug/l	8260B
Chloroethane	< 10			ug/l	8260B
Trichlorofluoromethane	< 2			ug/l	8260B
1,1-Dichloroethene	< 1	25 (124 %R)	26 (131 %R) (5 RPD)	ug/l	8260B
Methylene chloride	< 5			ug/l	8260B
trans-1,2-Dichloroethene	< 2			ug/l	8260B
1,1-Dichloroethane	< 2			ug/l	8260B
cis-1,2-Dichloroethene	< 2			ug/l	8260B
Chloroform	< 2			ug/l	8260B
1,1,1-Trichloroethane	< 2			ug/l	8260B
Carbon tetrachloride	< 2			ug/l	8260B
1,2-Dichloroethane	< 2			ug/l	8260B
Trichloroethene	< 2	23 (117 %R)	24 (120 %R) (3 RPD)	ug/l	8260B
1,2-Dichloropropane	< 2			ug/l	8260B
Bromodichloromethane	< 2			ug/l	8260B
cis-1,3-Dichloropropene	< 2			ug/l	8260B
trans-1,3-Dichloropropene	< 2			ug/l	8260B
1,1,2-Trichloroethane	< 2			ug/l	8260B
Tetrachloroethene	< 2			ug/l	8260B
Dibromochloromethane	< 2			ug/l	8260B
Chlorobenzene	< 2	24 (118 %R)	24 (121 %R) (3 RPD)	ug/l	8260B
Bromoform	< 2			ug/l	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	8260B
4-Bromofluorobenzene (surr)	106 %R	105 %R	113 %R	ug/l	8260B
1,2-Dichlorobenzene-d4 (surr)	108 %R	104 %R	111 %R	ug/l	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29554

Client: IT Corp. (Hop)

Client Designation: Varian Beverly 823398-03

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	8260B
Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120
Matrix Spike Recovery	
1,1-Dichloroethene	61-145
Trichloroethene	71-120
Chlorobenzene	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

P-9: The value for cis-1,2-Dichloroethene was obtained on 1/22/2002 at a dilution factor of 10.

P-19A: The value for cis-1,2-Dichloroethene was obtained on 1/22/2002 at a dilution factor of 10.

CHAIN-OF-CUSTODY RECORD

eastern analytical
professional laboratory services

29554

Sample ID	Date/Time	Matrix	Parameters	Sample Notes	# of containers
Groundwater <u>P-4</u>	<u>12:30</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	
Groundwater <u>P-5</u>	<u>13:00</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	
Groundwater <u>P-9</u>	<u>17:05</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	
Groundwater <u>P-10</u>	<u>11:30</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	
Groundwater <u>P-11</u>	<u>01:45</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	
Groundwater <u>P-12</u>	<u>10:50</u> 1-11-02	aqueous	AqToV8260BITCVarian		<u>2</u>
preservative (HCL) HNO3 H2SO4 NaOH MEOH				Field Filtered Metals Check here ☐	

Project Name Varian Beverly 823398-03

Project # State MA

Client (Pro Mgr) Karen Brody

Customer IT Corp. (Hop)

Address 88 C Elm St.

City Hopkinton MA 01748

Phone 508-435-9561 Fax 508-435-9641 (25)

Email/Address: cjoetheitgroup.com

Results Needed by: Preferred date _____
Notes about project _____
Varian Site Specific List _____

Complete double run on P-9

Reporting Options

- ☒ HC ☒ EDD email
☐ NO FAX
☐ Partial Fax
☐ EDD Disk

PONumber: 172451

Quote No:

Temperature

3 °C

Samples Collected by: STEPHEN STRAUSS

Ice present

Yes ☐ No ☐

Relinquished by

Date/Time

Received by

Relinquished by

Date/Time

Received by

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603) 228-0525

1-800-287-0525

Fax: (603) 228-4591

VARIABLES IODY RECORD

eastern analytical
professional laboratory services

29554
ITCNo2909

aSampleId	Date/Time	Matrix	Parameters	Sample Notes	# of containers
Groundwater P-13 preservative: HCL HNO3 H2SO4 NaOH MEOH	8:50 1-11-02	aqueous	AqToV8260BITCVarian		2
Groundwater P-14 preservative: HCL HNO3 H2SO4 NaOH MEOH	9:30 1-11-02	aqueous	AqToV8260BITCVarian		2
Groundwater P-18 preservative: HCL HNO3 H2SO4 NaOH MEOH	10:05 1-11-02	aqueous	AqToV8260BITCVarian		2
Groundwater P-19A preservative: HCL HNO3 H2SO4 NaOH MEOH	11:10/02 8:00	aqueous	AqToV8260BITCVarian		2
Groundwater P-20 preservative: HCL HNO3 H2SO4 NaOH MEOH	10:50 1-11-02	aqueous	AqToV8260BITCVarian		2
Groundwater P-21 preservative: HCL HNO3 H2SO4 NaOH MEOH	11/10/02 9:45	aqueous	AqToV8260BITCVarian		2

Project Name Varian Beverly 823398-03

Project # _____ State MA

Client (Pro Mgr) Karen Brody

Customer IT Corp. (Hop)

Address 88 C Elm St.

City Hopkinton MA 01748

Phone 508-435-9561 Fax 508-435-9641 (25)

EmailAddress: cjoetheitgroup.com

Results Needed by: Preferred date _____

Notes about project _____

Varian Site Specific List _____

Complete double run on P-18, P-19A and P-21

Reporting Options

☒ HC ☒ EDD email

☐ NO FAX ☐ Partial Fax

☐ EDD Disk

Samples Collected by: STEPHEN STACEY

Relinquished by: _____ Date/Time: 1-11-02 15:00

Relinquished by: _____ Date/Time: _____

Received by: _____

PONumber: 185740

Quote No: 47245+

Temperature: 3 °C

ice present Yes ☐ No ☐

Field Filtered Metals Check here ☐

CHAIN-OF-CUSTODY RECORD

Eastern Analytical
Professional Laboratory Services

29554
ITCNo2909

aSampleID Date/Time Matrix Parameters

Sample Notes # of containers

Groundwater 1-10-02 aqueous AqTot/V8260BITCVarian

P-23 10:00 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Groundwater 1-10-02 aqueous AqTot/V8260BITCVarian

P-24 10:00 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Groundwater 1-10-02 aqueous AqTot/V8260BITCVarian

C6-S 13:30 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Groundwater 1-10-02 aqueous AqTot/V8260BITCVarian

C6-S 10:50 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Groundwater 1-11-02 aqueous AqTot/V8260BITCVarian

Fidel Blank 13:30 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Groundwater 1-11-02 aqueous AqTot/V8260BITCVarian

Trip Blank 13:40 2

preservative: HCL HNO3 H2SO4 NaOH MEOH Field Filtered Metals Check here

Project Name Varian Beverly 823398-03

Project # State MA

Client (Pro Mgr) Karen Brody

Customer IT Corp. (Hop)

Address 88 C Elm St.

City Hopkinton MA 01748

Phone 508-435-9561 Fax 508-435-9641 (25)

EmailAddress: cjoetheitgroup.com

Results Needed by: Preferred date

Notes about project

Varian Site Specific List

Reporting Options

☒ HC ☒ EDD email

☐ NO FAX ☐ Partial Fax

☐ EDD Disk

Samples Collected by: STEPHEN S. BRYSTLER

Relinquished by: STEPHEN S. BRYSTLER

Relinquished by: STEPHEN S. BRYSTLER

Relinquished by: STEPHEN S. BRYSTLER

Relinquished by: STEPHEN S. BRYSTLER

PONumber: 185740

Quote No:

Temperature 3 °C

Ice present Yes ☒ No ☐

Date/Time 1-11-02 15:00

Received by: STEPHEN S. BRYSTLER

Received by: STEPHEN S. BRYSTLER

Received by: STEPHEN S. BRYSTLER

Received by: STEPHEN S. BRYSTLER

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603)228-0525

1-800-287-0525

Fax: (603)228-4591

APPENDIX F

GROUNDWATER TREATMENT SYSTEM INFLUENT, MIDFLUENT, AND EFFLUENT ANALYTICAL RESULTS



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 29251
Client Identification: Varian 821926-01
Date Received: 12/13/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

12/27/01

Date

6

of pages (excluding cover letter)



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29251

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Sample ID:	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	12/12/01	12/12/01	12/12/01
Date Received:	12/13/01	12/13/01	12/13/01
Units:	ug/l	ug/l	ug/l
Date of Analysis:	12/19/01	12/19/01	12/20/01
Analyst:	JDS	JDS	JDS
Method:	624	624	624
Dilution Factor:	1	1	1000
Chloromethane	< 5	< 5	< 5000
Vinyl chloride	< 2	< 2	< 2000
Bromomethane	< 2	< 2	< 2000
Chloroethane	< 5	< 5	< 5000
Acetone	< 50	< 50	< 50000
1,1-Dichloroethene	< 1	< 1	< 1000
Methylene chloride	< 5	< 5	< 5000
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 1000
trans-1,2-Dichloroethene	< 2	< 2	< 2000
Vinyl acetate	< 10	< 10	< 10000
1,1-Dichloroethane	< 2	< 2	< 2000
cis-1,2-Dichloroethene	< 2	9	< 2000
2-Butanone(MEK)	< 10	< 10	< 10000
Chloroform	< 2	< 2	< 2000
1,1,1-Trichloroethane	< 2	< 2	< 2000
Carbon tetrachloride	< 2	< 2	< 2000
Benzene	< 1	< 1	< 1000
1,2-Dichloroethane	< 2	< 2	< 2000
Trichloroethene	< 2	85	29000
1,2-Dichloropropane	< 2	< 2	< 2000
Bromodichloromethane	< 2	< 2	< 2000
2-Chloroethoxyethene	< 2	< 2	< 2000
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10000
cis-1,3-Dichloropropene	< 2	< 2	< 2000
Toluene	< 1	< 1	< 1000
trans-1,3-Dichloropropene	< 2	< 2	< 2000
1,1,2-Trichloroethane	< 2	< 2	< 2000
2-Hexanone	< 10	< 10	< 10000
Tetrachloroethene	< 2	32	13000
Dibromochloromethane	< 2	< 2	< 2000
Chlorobenzene	< 2	< 2	< 2000
Ethylbenzene	< 1	< 1	< 1000
mp-Xylene	< 1	< 1	< 1000
o-Xylene	< 1	< 1	< 1000
Styrene	< 1	< 1	< 1000
Bromoform	< 2	< 2	< 2000
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2000
1,3-Dichlorobenzene	< 1	< 1	< 1000
1,4-Dichlorobenzene	< 1	< 1	< 1000
1,2-Dichlorobenzene	< 1	< 1	< 1000



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29251

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Sample ID: Effluent

Analytical Type: Sample

Matrix: aqueous

Date Sampled: 12/12/01

Date Received: 12/13/01

Units: ug/l

Date of Analysis: 12/19/01

Analyst: JDS

Method: 624

Dilution Factor: 1

Chloromethane < 5

Vinyl chloride < 2

Bromomethane < 2

Chloroethane < 5

Acetone < 50

1,1-Dichloroethene < 1

Methylene chloride < 5

Methyl-t-butyl ether(MTBE) < 10

trans-1,2-Dichloroethene < 2

Vinyl acetate < 10

1,1-Dichloroethane < 2

cis-1,2-Dichloroethene < 2

2-Butanone(MEK) < 10

Chloroform < 2

1,1,1-Trichloroethane < 2

Carbon tetrachloride < 2

Benzene < 1

1,2-Dichloroethane < 2

Trichloroethene < 2

1,2-Dichloropropane < 2

Bromodichloromethane < 2

2-Chloroethoxyethene < 2

4-Methyl-2-pentanone(MIBK) < 10

cis-1,3-Dichloropropene < 2

Toluene < 1

trans-1,3-Dichloropropene < 2

1,1,2-Trichloroethane < 2

2-Hexanone < 10

Tetrachloroethene < 2

Dibromochloromethane < 2

Chlorobenzene < 2

Ethylbenzene < 1

mp-Xylene < 1

o-Xylene < 1

Styrene < 1

Bromoform < 2

1,1,2,2-Tetrachloroethane < 2

1,3-Dichlorobenzene < 1

1,4-Dichlorobenzene < 1

1,2-Dichlorobenzene < 1

4-Bromofluorobenzene (surr) 93 %R

1,2-Dichlorobenzene-D4 (surr) 104 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29251

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

QC Report

Parameter Name	Blank	MS/MSD		MSD	Date of Analysis	
		Parent	Matrix Spike		Units	Method
Dichlorodifluoromethane	< 5				ug/l	12/19/01 8260B
Chloromethane	< 5				ug/l	12/19/01 8260B
Vinyl chloride	< 2				ug/l	12/19/01 8260B
Bromomethane	< 2				ug/l	12/19/01 8260B
Chloroethane	< 5				ug/l	12/19/01 8260B
Trichlorofluoromethane	< 5				ug/l	12/19/01 8260B
Diethyl ether	< 5				ug/l	12/19/01 8260B
Acetone	< 10				ug/l	12/19/01 8260B
1,1-Dichloroethene	< 1	< 1	21 (104 %R)	21 (103 %R) (1 RPD)	ug/l	12/19/01 8260B
Methylene chloride	< 5				ug/l	12/19/01 8260B
Carbon disulfide	< 5				ug/l	12/19/01 8260B
Methyl-t-butyl ether(MTBE)	< 5				ug/l	12/19/01 8260B
trans-1,2-Dichloroethene	< 2				ug/l	12/19/01 8260B
1,1-Dichloroethane	< 2				ug/l	12/19/01 8260B
2,2-Dichloropropane	< 2				ug/l	12/19/01 8260B
cis-1,2-Dichloroethene	< 2				ug/l	12/19/01 8260B
2-Butanone(MEK)	< 10				ug/l	12/19/01 8260B
Bromochloromethane	< 2				ug/l	12/19/01 8260B
Tetrahydrofuran(THF)	< 10				ug/l	12/19/01 8260B
Chloroform	< 2				ug/l	12/19/01 8260B
1,1,1-Trichloroethane	< 2				ug/l	12/19/01 8260B
Carbon tetrachloride	< 2				ug/l	12/19/01 8260B
1,1-Dichloropropene	< 2				ug/l	12/19/01 8260B
Benzene	< 1	< 1	21 (106 %R)	21 (105 %R) (1 RPD)	ug/l	12/19/01 8260B
1,2-Dichloroethane	< 2				ug/l	12/19/01 8260B
Trichloroethene	< 2	< 2	21 (105 %R)	20 (102 %R) (3 RPD)	ug/l	12/19/01 8260B
1,2-Dichloropropane	< 2				ug/l	12/19/01 8260B
Dibromomethane	< 2				ug/l	12/19/01 8260B
Bromodichloromethane	< 2				ug/l	12/19/01 8260B
4-Methyl-2-pentanone(MIBK)	< 10				ug/l	12/19/01 8260B
cis-1,3-Dichloropropene	< 2				ug/l	12/19/01 8260B
Toluene	< 1	< 1	23 (113 %R)	22 (109 %R) (4 RPD)	ug/l	12/19/01 8260B
trans-1,3-Dichloropropene	< 2				ug/l	12/19/01 8260B
1,1,2-Trichloroethane	< 2				ug/l	12/19/01 8260B
2-Hexanone	< 10				ug/l	12/19/01 8260B
Tetrachloroethene	< 2				ug/l	12/19/01 8260B
1,3-Dichloropropane	< 2				ug/l	12/19/01 8260B
Dibromochloromethane	< 2				ug/l	12/19/01 8260B
1,2-Dibromoethane	< 2				ug/l	12/19/01 8260B
Chlorobenzene	< 2	< 2	22 (110 %R)	21 (107 %R) (3 RPD)	ug/l	12/19/01 8260B
1,1,1,2-Tetrachloroethane	< 2				ug/l	12/19/01 8260B
Ethylbenzene	< 1				ug/l	12/19/01 8260B
mp-Xylene	< 1				ug/l	12/19/01 8260B
o-Xylene	< 1				ug/l	12/19/01 8260B
Styrene	< 1				ug/l	12/19/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29251

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

QC Report

Parameter Name	Blank	MS/MSD		MSD	Date of Analysis		
		Parent	Matrix Spike		Units		Method
Bromoform	< 2				ug/l	12/19/01	8260B
iso-Propylbenzene	< 1				ug/l	12/19/01	8260B
Bromobenzene	< 2				ug/l	12/19/01	8260B
1,1,2,2-Tetrachloroethane	< 2				ug/l	12/19/01	8260B
1,2,3-Trichloropropane	< 2				ug/l	12/19/01	8260B
n-Propylbenzene	< 1				ug/l	12/19/01	8260B
2-Chlorotoluene	< 2				ug/l	12/19/01	8260B
4-Chlorotoluene	< 2				ug/l	12/19/01	8260B
1,3,5-Trimethylbenzene	< 1				ug/l	12/19/01	8260B
tert-Butylbenzene	< 1				ug/l	12/19/01	8260B
1,2,4-Trimethylbenzene	< 1				ug/l	12/19/01	8260B
sec-Butylbenzene	< 1				ug/l	12/19/01	8260B
1,3-Dichlorobenzene	< 1				ug/l	12/19/01	8260B
p-isopropyltoluene	< 1				ug/l	12/19/01	8260B
1,4-Dichlorobenzene	< 1				ug/l	12/19/01	8260B
1,2-Dichlorobenzene	< 1				ug/l	12/19/01	8260B
n-Butylbenzene	< 1				ug/l	12/19/01	8260B
1,2-Dibromo-3-chloropropane	< 2				ug/l	12/19/01	8260B
1,2,4-Trichlorobenzene	< 1				ug/l	12/19/01	8260B
Hexachlorobutadiene	< 1				ug/l	12/19/01	8260B
Naphthalene	< 5				ug/l	12/19/01	8260B
1,2,3-Trichlorobenzene	< 1				ug/l	12/19/01	8260B
4-Bromofluorobenzene (surr)	95 %R	99 %R	94 %R	92 %R	% Rec	12/19/01	8260B
1,2-Dichlorobenzene-D4 (surr)	106 %R	103 %R	98 %R	100 %R	% Rec	12/19/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 29251

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	624

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	D-156
Benzene	37-151
Trichloroethene	71-157
Toluene	47-150
Chlorobenzene	37-160

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

ITEM # for lab use only	SAMPLE ID	SAMPLING DATE / TIME	MATRIX A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drinking W. WW - Waste W. ☐ Other	☐ G-Grab, C-Comp ☐ 8260B ☐ 824.2 ☐ 824 ☐ 8260B plus 10 TICs ☐ 8021B ☐ 801 / 602 ☐ 8021B-Halbs (8010 list) ☐ 801 ☐ 8021B-BTEX (8020 list) ☐ 802 ☐ MA VPH ☐ ME GRO ☐ 8015B GRO ☐ MA EPH ☐ ME DRO ☐ 8015B DRO ☐ TPH Fingerprint ☐ U ☐ LII ☐ LIII ☐ 8270 ☐ 625 ☐ ABN ☐ A ☐ BN ☐ PAH ☐ 8081/8082 ☐ 608 ☐ PCBs ☐ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☐ TSS ☐ TDS ☐ TS ☐ OF ☐ Cl ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ ☐ pH ☐ Spec. Con. ☐ BOD ☐ OT, Alk ☐ Carb. Alk ☐ Bl. Alk ☐ TKN ☐ NH ₃ ☐ T. Phos. ☐ COD ☐ TOC ☐ Phenols ☐ Oil & Grease ☐ TPH (list method below) ☐ CN ☐ Flash ☐ Ignit ☐ React CN ☐ React S2 ☐ T. Coll ☐ E. Coll ☐ F. Coll ☐ F. Strip	# of Containers	NOTES Tenatube #s MEOH Vial #
1	EFFLUENT	12/12/1520	6W	☒ 8260B ☒ 824.2 ☒ 824 ☒ 8260B plus 10 TICs ☒ 8021B ☒ 801 / 602 ☒ 8021B-Halbs (8010 list) ☒ 801 ☒ 8021B-BTEX (8020 list) ☒ 802 ☒ MA VPH ☒ ME GRO ☒ 8015B GRO ☒ MA EPH ☒ ME DRO ☒ 8015B DRO ☒ TPH Fingerprint ☒ U ☒ LII ☒ LIII ☒ 8270 ☒ 625 ☒ ABN ☒ A ☒ BN ☒ PAH ☒ 8081/8082 ☒ 608 ☒ PCBs ☒ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☒ TSS ☒ TDS ☒ TS ☒ OF ☒ Cl ☒ SO ₄ ☒ NO ₂ ☒ NO ₃ ☒ pH ☒ Spec. Con. ☒ BOD ☒ OT, Alk ☒ Carb. Alk ☒ Bl. Alk ☒ TKN ☒ NH ₃ ☒ T. Phos. ☒ COD ☒ TOC ☒ Phenols ☒ Oil & Grease ☒ TPH (list method below) ☒ CN ☒ Flash ☒ Ignit ☒ React CN ☒ React S2 ☒ T. Coll ☒ E. Coll ☒ F. Coll ☒ F. Strip	2	
2	EFFLUENT	12/12/1525	6W	☒ 8260B ☒ 824.2 ☒ 824 ☒ 8260B plus 10 TICs ☒ 8021B ☒ 801 / 602 ☒ 8021B-Halbs (8010 list) ☒ 801 ☒ 8021B-BTEX (8020 list) ☒ 802 ☒ MA VPH ☒ ME GRO ☒ 8015B GRO ☒ MA EPH ☒ ME DRO ☒ 8015B DRO ☒ TPH Fingerprint ☒ U ☒ LII ☒ LIII ☒ 8270 ☒ 625 ☒ ABN ☒ A ☒ BN ☒ PAH ☒ 8081/8082 ☒ 608 ☒ PCBs ☒ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☒ TSS ☒ TDS ☒ TS ☒ OF ☒ Cl ☒ SO ₄ ☒ NO ₂ ☒ NO ₃ ☒ pH ☒ Spec. Con. ☒ BOD ☒ OT, Alk ☒ Carb. Alk ☒ Bl. Alk ☒ TKN ☒ NH ₃ ☒ T. Phos. ☒ COD ☒ TOC ☒ Phenols ☒ Oil & Grease ☒ TPH (list method below) ☒ CN ☒ Flash ☒ Ignit ☒ React CN ☒ React S2 ☒ T. Coll ☒ E. Coll ☒ F. Coll ☒ F. Strip	2	
3	MIDFLUENT	12/12/1515	6W	☒ 8260B ☒ 824.2 ☒ 824 ☒ 8260B plus 10 TICs ☒ 8021B ☒ 801 / 602 ☒ 8021B-Halbs (8010 list) ☒ 801 ☒ 8021B-BTEX (8020 list) ☒ 802 ☒ MA VPH ☒ ME GRO ☒ 8015B GRO ☒ MA EPH ☒ ME DRO ☒ 8015B DRO ☒ TPH Fingerprint ☒ U ☒ LII ☒ LIII ☒ 8270 ☒ 625 ☒ ABN ☒ A ☒ BN ☒ PAH ☒ 8081/8082 ☒ 608 ☒ PCBs ☒ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☒ TSS ☒ TDS ☒ TS ☒ OF ☒ Cl ☒ SO ₄ ☒ NO ₂ ☒ NO ₃ ☒ pH ☒ Spec. Con. ☒ BOD ☒ OT, Alk ☒ Carb. Alk ☒ Bl. Alk ☒ TKN ☒ NH ₃ ☒ T. Phos. ☒ COD ☒ TOC ☒ Phenols ☒ Oil & Grease ☒ TPH (list method below) ☒ CN ☒ Flash ☒ Ignit ☒ React CN ☒ React S2 ☒ T. Coll ☒ E. Coll ☒ F. Coll ☒ F. Strip	2	
4	INFLUENT	12/12/1505	6W	☒ 8260B ☒ 824.2 ☒ 824 ☒ 8260B plus 10 TICs ☒ 8021B ☒ 801 / 602 ☒ 8021B-Halbs (8010 list) ☒ 801 ☒ 8021B-BTEX (8020 list) ☒ 802 ☒ MA VPH ☒ ME GRO ☒ 8015B GRO ☒ MA EPH ☒ ME DRO ☒ 8015B DRO ☒ TPH Fingerprint ☒ U ☒ LII ☒ LIII ☒ 8270 ☒ 625 ☒ ABN ☒ A ☒ BN ☒ PAH ☒ 8081/8082 ☒ 608 ☒ PCBs ☒ Pesticides Dissolved Metals (list below) Total Metals (list below) TCLP METALS (LIST BELOW) ☒ TSS ☒ TDS ☒ TS ☒ OF ☒ Cl ☒ SO ₄ ☒ NO ₂ ☒ NO ₃ ☒ pH ☒ Spec. Con. ☒ BOD ☒ OT, Alk ☒ Carb. Alk ☒ Bl. Alk ☒ TKN ☒ NH ₃ ☒ T. Phos. ☒ COD ☒ TOC ☒ Phenols ☒ Oil & Grease ☒ TPH (list method below) ☒ CN ☒ Flash ☒ Ignit ☒ React CN ☒ React S2 ☒ T. Coll ☒ E. Coll ☒ F. Coll ☒ F. Strip	2	

PRESERVATIVE: HClO₄ / HNO₃ / S-H₂SO₄ / Na-NaOH / H-MECHO

PROJECT MANAGER: LARRY MCKINLEY
 COMPANY: IT CORP.
 ADDRESS: 88-C ELM ST
 CITY: Hopkinton STATE: MA ZIP: 01748
 PHONE: (508) 435-9561 EXT: 6125
 FAX: 435-9641
 E-MAIL: _____
 SITE NAME: Verian
 PROJECT #: 821926-01
 STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

NOTES: (i.e., Special Detection Limits, Billing Info, if different)

Effluent only level 6

Please Return Cooler

70!

IT Corp

88-C Elm St,

Hopkinton, MA,

RESULTS NEEDED BY

(enter preferred date): _____
(Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☐ B ☐ C

Reporting Options:
☐ Hard Copy ☐ Fax
☐ Electronic:
☐ E-Mail ☐ Disk

Quote # _____

P.O. # _____

Sample(s): Verian

Mr. Server

Relinquished by Mr. Server

Date 12/15/01 Time 1610

Relinquished by Fed Ex

Date 12/13/01 Time 1020

Relinquished by _____

Date _____ Time _____

Received by _____

FOR LAB USE ONLY
 Adhered to EPA Protocol
☐ Yes ☐ No (see attached)
 Temp. 9 °C
 Ice: ☐ Yes ☐ No

Melted ice



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 27315
Client Identification: Varian 821926
Date Received: 7/19/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

8/8/01

Date

4

of pages (excluding cover letter)



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27315

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926

Sample ID:	Effluent	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	7/18/01	7/18/01	7/18/01	7/18/01
Date Received:	7/19/01	7/19/01	7/19/01	7/19/01
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	7/25/01	7/25/01	7/25/01	7/25/01
Analyst:	VG	VG	VG	VG
Method:	624	624	624	624
Dilution Factor:	1	1	1	100
Chloromethane	< 5	< 5	< 5	< 500
Vinyl chloride	< 2	< 2	< 2	< 200
Bromomethane	< 2	< 2	< 2	< 200
Chloroethane	< 5	< 5	< 5	< 500
Acetone	< 50	< 50	< 50	< 5000
1,1-Dichloroethene	< 1	< 1	< 1	< 100
Methylene chloride	< 5	< 5	< 5	< 500
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 10	< 100
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 200
Vinyl acetate	< 10	< 10	< 10	< 1000
1,1-Dichloroethane	< 2	< 2	< 2	< 200
cis-1,2-Dichloroethene	< 2	< 2	< 2	3800
2-Butanone(MEK)	< 10	< 10	< 10	< 1000
Chloroform	< 2	< 2	< 2	< 200
1,1,1-Trichloroethane	< 2	< 2	< 2	1000
Carbon tetrachloride	< 2	< 2	< 2	< 200
Benzene	< 1	< 1	< 1	< 100
1,2-Dichloroethane	< 2	< 2	< 2	< 200
Trichloroethene	< 2	< 2	12	30000
1,2-Dichloropropane	< 2	< 2	< 2	< 200
Bromodichloromethane	< 2	< 2	< 2	< 200
2-Chloroethoxyethene	< 2	< 2	< 2	< 200
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 1000
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 200
Toluene	< 1	< 1	< 1	< 100
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 200
1,1,2-Trichloroethane	< 2	< 2	< 2	< 200
2-Hexanone	< 10	< 10	< 10	< 1000
Tetrachloroethene	< 2	< 2	3	17000
Dibromochloromethane	< 2	< 2	< 2	< 200
Chlorobenzene	< 2	< 2	< 2	< 200
Ethylbenzene	< 1	< 1	< 1	< 100
mp-Xylene	< 1	< 1	< 1	< 100
o-Xylene	< 1	< 1	< 1	< 100
Styrene	< 1	< 1	< 1	< 100
Bromoform	< 2	< 2	< 2	< 200
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 200
1,3-Dichlorobenzene	< 1	< 1	< 1	< 100
1,4-Dichlorobenzene	< 1	< 1	< 1	< 100
1,2-Dichlorobenzene	< 1	< 1	< 1	< 100
4-Bromofluorobenzene (surr)	103 %R	104 %R	105 %R	103 %R
1,2-Dichlorobenzene-D4 (surr)	105 %R	104 %R	103 %R	103 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27315

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926

QC Report

Parameter Name	Blank	LCS	LCS Dup	Date of Analysis	
				Units	Method
Chloromethane	< 5			ug/l	7/25/01 624
Vinyl chloride	< 2			ug/l	7/25/01 624
Bromomethane	< 2			ug/l	7/25/01 624
Chloroethane	< 5			ug/l	7/25/01 624
Acetone	< 50			ug/l	7/25/01 624
1,1-Dichloroethene	< 1	10 (49 %R)	16 (79 %R) (47 RPD)	ug/l	7/25/01 624
Methylene chloride	< 5			ug/l	7/25/01 624
Methyl-t-butyl ether(MTBE)	< 10			ug/l	7/25/01 624
trans-1,2-Dichloroethene	< 2			ug/l	7/25/01 624
Vinyl acetate	< 10			ug/l	7/25/01 624
1,1-Dichloroethane	< 2			ug/l	7/25/01 624
cis-1,2-Dichloroethene	< 2			ug/l	7/25/01 624
2-Butanone(MEK)	< 10			ug/l	7/25/01 624
Chloroform	< 2			ug/l	7/25/01 624
1,1,1-Trichloroethane	< 2			ug/l	7/25/01 624
Carbon tetrachloride	< 2			ug/l	7/25/01 624
Benzene	< 1	18 (89 %R)	18 (89 %R) (0 RPD)	ug/l	7/25/01 624
1,2-Dichloroethane	< 2			ug/l	7/25/01 624
Trichloroethene	< 2	18 (91 %R)	19 (93 %R) (2 RPD)	ug/l	7/25/01 624
1,2-Dichloropropane	< 2			ug/l	7/25/01 624
Bromodichloromethane	< 2			ug/l	7/25/01 624
2-Chloroethoxyethene	< 2			ug/l	7/25/01 624
4-Methyl-2-pentanone(MIBK)	< 10			ug/l	7/25/01 624
cis-1,3-Dichloropropene	< 2			ug/l	7/25/01 624
Toluene	< 1	19 (97 %R)	20 (98 %R) (1 RPD)	ug/l	7/25/01 624
trans-1,3-Dichloropropene	< 2			ug/l	7/25/01 624
1,1,2-Trichloroethane	< 2			ug/l	7/25/01 624
2-Hexanone	< 10			ug/l	7/25/01 624
Tetrachloroethene	< 2			ug/l	7/25/01 624
Dibromochloromethane	< 2			ug/l	7/25/01 624
Chlorobenzene	< 2	20 (98 %R)	20 (98 %R) (0 RPD)	ug/l	7/25/01 624
Ethylbenzene	< 1			ug/l	7/25/01 624
mp-Xylene	< 1			ug/l	7/25/01 624
o-Xylene	< 1			ug/l	7/25/01 624
Styrene	< 1			ug/l	7/25/01 624
Bromoform	< 2			ug/l	7/25/01 624
1,1,2,2-Tetrachloroethane	< 2			ug/l	7/25/01 624
1,3-Dichlorobenzene	< 1			ug/l	7/25/01 624
1,4-Dichlorobenzene	< 1			ug/l	7/25/01 624
1,2-Dichlorobenzene	< 1			ug/l	7/25/01 624
4-Bromofluorobenzene (surr)	103 %R	110 %R	96 %R	ug/l	7/25/01 624
1,2-Dichlorobenzene-D4 (surr)	105 %R	99 %R	100 %R	ug/l	7/25/01 624



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27315

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	624

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	D-156
Benzene	37-151
Trichloroethene	71-157
Toluene	47-150
Chlorobenzene	37-160

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

REQUESTED, ANALYSES

PROJECT MANAGER: Larry Nesbitt
COMPANY: FT Corp.
ADDRESS: 88-0 ELM ST.
CITY: Hopkinton STATE MA ZIP 01748
PHONE: (508) 435-9561 EXT: 6125
FAX: (508) 435-9691
E-MAIL: _____
SITE NAME: Var120
PROJECT # 821926
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

EFFLUENT ONLY Level B

Please Return Cooler:

IT Corp.
Hopkinton, MA

(enter preferred date): _____
 (Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level

DA DB DC

Reporting Options:
☐ Hard Copy ☐ Fax

☐ E-Mail ☐ Disk

P.O.#

Sampler(s)

Rollingquische

Relinquished by

Relinquished by

Date _____

Time

Received by

(WHITE: Original)

YELLOW: Lab Files

PINK: Project manager)



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 27731
Client Identification: Varian / 821926
Date Received: 8/16/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

9/29/01

Date

4

of pages (excluding cover letter)



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27731

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926

Sample ID:	Effluent	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/15/01	8/15/01	8/15/01	8/15/01
Date Received:	8/16/01	8/16/01	8/16/01	8/16/01
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/17/01	8/17/01	8/17/01	8/24/01
Analyst:	VG	VG	VG	VG
Method:	624	624	624	624
Dilution Factor:	1	1	1	1000

Chloromethane	< 5	< 5	< 5	< 5000
Vinyl chloride	< 2	< 2	< 2	< 2000
Bromomethane	< 2	< 2	< 2	< 2000
Chloroethane	< 5	< 5	< 5	< 5000
Acetone	< 50	< 50	< 50	< 50000
1,1-Dichloroethane	< 1	< 1	< 1	< 1000
Methylene chloride	< 5	< 5	< 5	< 5000
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 10	< 1000
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2000
Vinyl acetate	< 10	< 10	< 10	< 10000
1,1-Dichloroethane	< 2	< 2	< 2	< 2000
cis-1,2-Dichloroethene	< 2	< 2	< 2	2000
2-Butanone(MEK)	< 10	< 10	< 10	< 10000
Chloroform	< 2	< 2	< 2	< 2000
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2000
Carbon tetrachloride	< 2	< 2	< 2	< 2000
Benzene	< 1	< 1	< 1	< 1000
1,2-Dichloroethane	< 2	< 2	< 2	< 2000
Trichloroethene	< 2	< 2	21	39000
1,2-Dichloropropane	< 2	< 2	< 2	< 2000
Bromodichloromethane	< 2	< 2	< 2	< 2000
2-Chloroethoxyethene	< 2	< 2	< 2	< 2000
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10000
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2000
Toluene	< 1	< 1	< 1	< 1000
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2000
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2000
2-Hexanone	< 10	< 10	< 10	< 10000
Tetrachloroethene	< 2	< 2	8	18000
Dibromochloromethane	< 2	< 2	< 2	< 2000
Chlorobenzene	< 2	< 2	< 2	< 2000
Ethylbenzene	< 1	< 1	< 1	< 1000
mp-Xylene	< 1	< 1	< 1	< 1000
o-Xylene	< 1	< 1	< 1	< 1000
Styrene	< 1	< 1	< 1	< 1000
Bromoform	< 2	< 2	< 2	< 2000
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2000
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1000
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1000
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1000
4-Bromofluorobenzene (surr)	94 %R	95 %R	95 %R	100 %R
1,2-Dichlorobenzene-D4 (surr)	104 %R	106 %R	109 %R	101 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27731

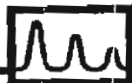
Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926

QC Report

Date of Analysis

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Units	Method
Chloromethane	< 5			ug/l 8/17/01	624
Vinyl chloride	< 2			ug/l 8/17/01	624
Bromomethane	< 2			ug/l 8/17/01	624
Chloroethane	< 5			ug/l 8/17/01	624
Acetone	< 50			ug/l 8/17/01	624
1,1-Dichloroethene	< 1	18 (91 %R)	17 (87 %R) (4 RPD)	ug/l 8/17/01	624
Methylene chloride	< 5			ug/l 8/17/01	624
Methyl-t-butyl ether(MTBE)	< 10			ug/l 8/17/01	624
trans-1,2-Dichloroethene	< 2			ug/l 8/17/01	624
Vinyl acetate	< 10			ug/l 8/17/01	624
1,1-Dichloroethane	< 2			ug/l 8/17/01	624
cis-1,2-Dichloroethene	< 2			ug/l 8/17/01	624
2-Butanone(MEK)	< 10			ug/l 8/17/01	624
Chloroform	< 2			ug/l 8/17/01	624
1,1,1-Trichloroethane	< 2			ug/l 8/17/01	624
Carbon tetrachloride	< 2			ug/l 8/17/01	624
Benzene	< 1	18 (92 %R)	17 (86 %R) (7 RPD)	ug/l 8/17/01	624
1,2-Dichloroethane	< 2			ug/l 8/17/01	624
Trichloroethene	< 2	19 (97 %R)	18 (91 %R) (6 RPD)	ug/l 8/17/01	624
1,2-Dichloropropane	< 2			ug/l 8/17/01	624
Bromodichloromethane	< 2			ug/l 8/17/01	624
2-Chloroethoxyethene	< 2			ug/l 8/17/01	624
4-Methyl-2-pentanone(MIBK)	< 10			ug/l 8/17/01	624
cis-1,3-Dichloropropene	< 2			ug/l 8/17/01	624
Toluene	< 1	20 (98 %R)	19 (94 %R) (4 RPD)	ug/l 8/17/01	624
trans-1,3-Dichloropropene	< 2			ug/l 8/17/01	624
1,1,2-Trichloroethane	< 2			ug/l 8/17/01	624
2-Hexanone	< 10			ug/l 8/17/01	624
Tetrachloroethene	< 2			ug/l 8/17/01	624
Dibromochloromethane	< 2			ug/l 8/17/01	624
Chlorobenzene	< 2	20 (99 %R)	19 (96 %R) (3 RPD)	ug/l 8/17/01	624
Ethylbenzene	< 1			ug/l 8/17/01	624
mp-Xylene	< 1			ug/l 8/17/01	624
o-Xylene	< 1			ug/l 8/17/01	624
Styrene	< 1			ug/l 8/17/01	624
Bromoform	< 2			ug/l 8/17/01	624
1,1,2,2-Tetrachloroethane	< 2			ug/l 8/17/01	624
1,3-Dichlorobenzene	< 1			ug/l 8/17/01	624
1,4-Dichlorobenzene	< 1			ug/l 8/17/01	624
1,2-Dichlorobenzene	< 1			ug/l 8/17/01	624
4-Bromofluorobenzene (surr)	95 %R	94 %R	95 %R	ug/l 8/17/01	624
1,2-Dichlorobenzene-D4 (surr)	110 %R	97 %R	98 %R	ug/l 8/17/01	624



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 27731

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method:	624

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	D-156
Benzene	37-151
Trichloroethene	71-157
Toluene	47-150
Chlorobenzene	37-160

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton, MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 28070
Client Identification: Varian / 821926 - 01
Date Received: 9/18/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Will Brunkhorst, Lab Director

10/2/01
Date

5
of pages (excluding cover letter)



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28070

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926 - 01

Sample ID:	Effluent	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	9/17/01	9/17/01	9/17/01	9/17/01
Date Received:	9/18/01	9/18/01	9/18/01	9/18/01
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	9/20/01	9/20/01	9/20/01	9/20/01
Analyst:	VG	VG	VG	VG
Method:	624	624	624	624
Dilution Factor:	1	1	1	100
Chloromethane	< 5	< 5	< 5	< 500
Vinyl chloride	< 2	< 2	< 2	< 200
Bromomethane	< 2	< 2	< 2	< 200
Chloroethane	< 5	< 5	< 5	< 500
Acetone	< 50	< 50	60	< 5000
1,1-Dichloroethene	< 1	< 1	< 1	< 100
Methylene chloride	< 5	< 5	< 5	< 500
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 10	< 100
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 200
Vinyl acetate	< 10	< 10	< 10	< 1000
1,1-Dichloroethane	< 2	< 2	< 2	< 200
cis-1,2-Dichloroethene	< 2	< 2	2	2900
2-Butanone(MEK)	< 10	< 10	< 10	< 1000
Chloroform	< 2	< 2	< 2	< 200
1,1,1-Trichloroethane	< 2	< 2	< 2	600
Carbon tetrachloride	< 2	< 2	< 2	< 200
Benzene	< 1	< 1	< 1	< 100
1,2-Dichloroethane	< 2	< 2	< 2	< 200
Trichloroethene	< 2	< 2	20	40000
1,2-Dichloropropane	< 2	< 2	< 2	< 200
Bromodichloromethane	< 2	< 2	< 2	< 200
2-Chloroethoxyethene	< 2	< 2	< 2	< 200
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 1000
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 200
Toluene	< 1	< 1	< 1	< 100
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 200
1,1,2-Trichloroethane	< 2	< 2	< 2	< 200
2-Hexanone	< 10	< 10	< 10	< 1000
Tetrachloroethene	< 2	< 2	5	18000
Dibromochloromethane	< 2	< 2	< 2	< 200
Chlorobenzene	< 2	< 2	< 2	< 200
Ethylbenzene	< 1	< 1	< 1	< 100
mp-Xylene	< 1	< 1	< 1	< 100
o-Xylene	< 1	< 1	< 1	< 100
Styrene	< 1	< 1	< 1	< 100
Bromoform	< 2	< 2	< 2	< 200
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 200
1,3-Dichlorobenzene	< 1	< 1	< 1	< 100
1,4-Dichlorobenzene	< 1	< 1	< 1	< 100
1,2-Dichlorobenzene	< 1	< 1	< 1	< 100
4-Bromofluorobenzene (surr)	104 %R	107 %R	103 %R	101 %R
1,2-Dichlorobenzene-D4 (surr)	102 %R	100 %R	107 %R	108 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28070

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926 - 01

QC Report

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Date of Analysis	
				Units	Method
Dichlorodifluoromethane	< 5			ug/l	9/20/01 8260B
Chloromethane	< 5			ug/l	9/20/01 8260B
Vinyl chloride	< 2			ug/l	9/20/01 8260B
Bromomethane	< 2			ug/l	9/20/01 8260B
Chloroethane	< 5			ug/l	9/20/01 8260B
Trichlorofluoromethane	< 5			ug/l	9/20/01 8260B
Diethyl ether	< 5			ug/l	9/20/01 8260B
Acetone	< 10			ug/l	9/20/01 8260B
1,1-Dichloroethene	< 1	15 (77 %R)	16 (79 %R) (3 RPD)	ug/l	9/20/01 8260B
Methylene chloride	< 5			ug/l	9/20/01 8260B
Carbon disulfide	< 5			ug/l	9/20/01 8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l	9/20/01 8260B
trans-1,2-Dichloroethene	< 2			ug/l	9/20/01 8260B
1,1-Dichloroethane	< 2			ug/l	9/20/01 8260B
2,2-Dichloropropane	< 2			ug/l	9/20/01 8260B
cis-1,2-Dichloroethene	< 2			ug/l	9/20/01 8260B
2-Butanone(MEK)	< 10			ug/l	9/20/01 8260B
Bromochloromethane	< 2			ug/l	9/20/01 8260B
Tetrahydrofuran(THF)	< 10			ug/l	9/20/01 8260B
Chloroform	< 2			ug/l	9/20/01 8260B
1,1,1-Trichloroethane	< 2			ug/l	9/20/01 8260B
Carbon tetrachloride	< 2			ug/l	9/20/01 8260B
1,1-Dichloropropene	< 2			ug/l	9/20/01 8260B
Benzene	< 1	15 (76 %R)	19 (94 %R) (21 RPD)	ug/l	9/20/01 8260B
1,2-Dichloroethane	< 2			ug/l	9/20/01 8260B
Trichloroethene	< 2	16 (78 %R)	17 (84 %R) (7 RPD)	ug/l	9/20/01 8260B
1,2-Dichloropropane	< 2			ug/l	9/20/01 8260B
Dibromomethane	< 2			ug/l	9/20/01 8260B
Bromodichloromethane	< 2			ug/l	9/20/01 8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l	9/20/01 8260B
cis-1,3-Dichloropropene	< 2			ug/l	9/20/01 8260B
Toluene	< 1	15 (76 %R)	17 (85 %R) (11 RPD)	ug/l	9/20/01 8260B
trans-1,3-Dichloropropene	< 2			ug/l	9/20/01 8260B
1,1,2-Trichloroethane	< 2			ug/l	9/20/01 8260B
2-Hexanone	< 10			ug/l	9/20/01 8260B
Tetrachloroethene	< 2			ug/l	9/20/01 8260B
1,3-Dichloropropane	< 2			ug/l	9/20/01 8260B
Dibromochloromethane	< 2			ug/l	9/20/01 8260B
1,2-Dibromoethane	< 2			ug/l	9/20/01 8260B
Chlorobenzene	< 2	17 (85 %R)	19 (93 %R) (9 RPD)	ug/l	9/20/01 8260B
1,1,1,2-Tetrachloroethane	< 2			ug/l	9/20/01 8260B
Ethylbenzene	< 1			ug/l	9/20/01 8260B
mp-Xylene	< 1			ug/l	9/20/01 8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28070

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926 - 01

QC Report

Date of Analysis

Parameter Name	Blank	Matrix Spike	Matrix Spike Dup	Units	Method
o-Xylene	< 1			ug/l 9/20/01	8260B
Styrene	< 1			ug/l 9/20/01	8260B
Bromoform	< 2			ug/l 9/20/01	8260B
Iso-Propylbenzene	< 1			ug/l 9/20/01	8260B
Bromobenzene	< 2			ug/l 9/20/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 9/20/01	8260B
1,2,3-Trichloropropane	< 2			ug/l 9/20/01	8260B
n-Propylbenzene	< 1			ug/l 9/20/01	8260B
2-Chlorotoluene	< 2			ug/l 9/20/01	8260B
4-Chlorotoluene	< 2			ug/l 9/20/01	8260B
1,3,5-Trimethylbenzene	< 1			ug/l 9/20/01	8260B
tert-Butylbenzene	< 1			ug/l 9/20/01	8260B
1,2,4-Trimethylbenzene	< 1			ug/l 9/20/01	8260B
sec-Butylbenzene	< 1			ug/l 9/20/01	8260B
1,3-Dichlorobenzene	< 1			ug/l 9/20/01	8260B
p-Isopropyltoluene	< 1			ug/l 9/20/01	8260B
1,4-Dichlorobenzene	< 1			ug/l 9/20/01	8260B
1,2-Dichlorobenzene	< 1			ug/l 9/20/01	8260B
n-Butylbenzene	< 1			ug/l 9/20/01	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l 9/20/01	8260B
1,2,4-Trichlorobenzene	< 1			ug/l 9/20/01	8260B
Hexachlorobutadiene	< 1			ug/l 9/20/01	8260B
Naphthalene	< 5			ug/l 9/20/01	8260B
1,2,3-Trichlorobenzene	< 1			ug/l 9/20/01	8260B
4-Bromofluorobenzene (surr)	104 %R	103 %R	104 %R	ug/l 9/20/01	8260B
1,2-Dichlorobenzene-D4 (surr)	104 %R	93 %R	108 %R	ug/l 9/20/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28070

Client: IT Corp. (Hopkinton)

Client Designation: Varian / 821926 - 01

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	624

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	D-156
Benzene	37-151
Trichloroethene	71-157
Toluene	47-150
Chlorobenzene	37-160

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

Influent: The value for trichloroethene was obtained on 09/28/01 at a dilution factor of 1000.

CHAIN-OF-CUSTODY RECORD

REQUESTED ANALYSES

[illegible]

NOTES: (i.e., Special Detection Limits, Billing Info. if different)

Effluent only Level B

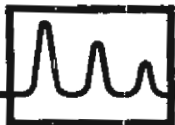
Please Return Card

FT Corp,

Hopkinton, MA.

RESULTS NEEDED BY (enter preferred date): _____ (Guaranteed rapid turnaround needs pre-approval)		FOR LAB USE ONLY Adhered to EPA Protocol ☐ Yes ☐ No (see attached) Temp. <u>15</u> °C Ice: ☐ Yes ☐ No	
QA / QC Reporting Level ☐ A ☐ B ☐ C		Reporting Options: ☐ Hard Copy ☐ Fax Electronic: ☐ E-Mail ☐ Disk	
Quote # _____		P.O. # _____	
Sample(s): <u>1/2 Ltr Surface</u>		Date <u>9/17/01</u> <u>1615</u>	
Relinquished by <u>[Signature]</u>		Received by <u>[Signature]</u>	
Relinquished by <u>[Signature]</u>		Received by <u>[Signature]</u>	
Date <u>09/18/01</u> <u>10:20a</u>		Date <u>09/18/01</u> <u>10:20a</u>	
Relinquished by _____		Received by _____	

Site historically contaminated



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 28459
Client Identification: Varian 821926.01
Date Received: 10/18/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

10/28/01

Date

7

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

28459 ITCHop

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Chain of Custody for these samples is attached.

Lab ID	SampleID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Condition	Temp.	Exceptions/Comments
28459.01	Effluent	10/18/01	10/17/01	aqueous		Acceptable	6° C	
28459.02	Effluent Blank	10/18/01	10/17/01	aqueous		Acceptable	6° C	
28459.03	Midfluent	10/18/01	10/17/01	aqueous		Acceptable	6° C	
28459.04	Influent	10/18/01	10/17/01	aqueous		Acceptable	6° C	

NA = Not Applicable

Narrative: The samples were properly preserved and the pH measured when applicable unless otherwise noted. pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, and Specific Gravity analyses are reported on an as received basis.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28459

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

Sample ID:	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	10/17/01	10/17/01	10/17/01
Date Received:	10/18/01	10/18/01	10/18/01
Units:	ug/l	ug/l	ug/l
Date of Analysis:	10/18/01	10/18/01	10/18/01
Analyst:	JDS	JDS	JDS
Method:	624	624	624
Dilution Factor:	1	1	100

Chloromethane	< 5	< 5	< 500
Vinyl chloride	< 2	< 2	< 200
Bromomethane	< 2	< 2	< 200
Chloroethane	< 5	< 5	< 500
Acetone	< 50	< 50	< 5000
1,1-Dichloroethene	< 1	< 1	< 100
Methylene chloride	< 5	< 5	< 500
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 100
trans-1,2-Dichloroethene	< 2	< 2	< 200
Vinyl acetate	< 10	< 10	< 1000
1,1-Dichloroethane	< 2	< 2	< 200
cis-1,2-Dichloroethene	< 2	< 2	1500
2-Butanone(MEK)	< 10	< 10	< 1000
Chloroform	< 2	< 2	< 200
1,1,1-Trichloroethane	< 2	< 2	600
Carbon tetrachloride	< 2	< 2	< 200
Benzene	< 1	< 1	< 100
1,2-Dichloroethane	< 2	< 2	< 200
Trichloroethene	< 2	2	19000
1,2-Dichloropropane	< 2	< 2	< 200
Bromodichloromethane	< 2	< 2	< 200
2-Chloroethoxyethene	< 2	< 2	< 200
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 1000
cis-1,3-Dichloropropene	< 2	< 2	< 200
Toluene	< 1	< 1	< 100
trans-1,3-Dichloropropene	< 2	< 2	< 200
1,1,2-Trichloroethane	< 2	< 2	< 200
2-Hexanone	< 10	< 10	< 1000
Tetrachloroethene	< 2	< 2	11000
Dibromochloromethane	< 2	< 2	< 200
Chlorobenzene	< 2	< 2	< 200
Ethylbenzene	< 1	< 1	< 100
mp-Xylene	< 1	< 1	< 100
o-Xylene	< 1	< 1	< 100
Styrene	< 1	< 1	< 100
Bromoform	< 2	< 2	< 200
1,1,2,2-Tetrachloroethane	< 2	< 2	< 200
1,3-Dichlorobenzene	< 1	< 1	< 100
1,4-Dichlorobenzene	< 1	< 1	< 100
1,2-Dichlorobenzene	< 1	< 1	< 100



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28459

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

Sample ID: Effluent

Analytical Type: Sample

Matrix: aqueous

Date Sampled: 10/17/01

Date Received: 10/18/01

Units: ug/l

Date of Analysis: 10/18/01

Analyst: JDS

Method: 624

Dilution Factor: 1

Chloromethane < 5

Vinyl chloride < 2

Bromomethane < 2

Chloroethane < 5

Acetone < 50

1,1-Dichloroethene < 1

Methylene chloride < 5

Methyl-t-butyl ether(MTBE) < 10

trans-1,2-Dichloroethene < 2

Vinyl acetate < 10

1,1-Dichloroethane < 2

cis-1,2-Dichloroethene < 2

2-Butanone(MEK) < 10

Chloroform < 2

1,1,1-Trichloroethane < 2

Carbon tetrachloride < 2

Benzene < 1

1,2-Dichloroethane < 2

Trichloroethene < 2

1,2-Dichloropropane < 2

Bromodichloromethane < 2

2-Chloroethoxyethene < 2

4-Methyl-2-pentanone(MIBK) < 10

cis-1,3-Dichloropropene < 2

Toluene < 1

trans-1,3-Dichloropropene < 2

1,1,2-Trichloroethane < 2

2-Hexanone < 10

Tetrachloroethene < 2

Dibromochloromethane < 2

Chlorobenzene < 2

Ethylbenzene < 1

mp-Xylene < 1

o-Xylene < 1

Styrene < 1

Bromoform < 2

1,1,2,2-Tetrachloroethane < 2

1,3-Dichlorobenzene < 1

1,4-Dichlorobenzene < 1

1,2-Dichlorobenzene < 1

4-Bromofluorobenzene (surr) 95 %R

1,2-Dichlorobenzene-D4 (surr) 104 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28459

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

QC Report

Parameter Name	Blank	LCS	LCS Dup	Date of Analysis	
				Units	Method
Dichlorodifluoromethane	< 5			ug/l 10/19/01	8260B
Chloromethane	< 5			ug/l 10/19/01	8260B
Vinyl chloride	< 2			ug/l 10/19/01	8260B
Bromomethane	< 2			ug/l 10/19/01	8260B
Chloroethane	< 5			ug/l 10/19/01	8260B
Trichlorofluoromethane	< 5			ug/l 10/19/01	8260B
Diethyl ether	< 5			ug/l 10/19/01	8260B
Acetone	< 10			ug/l 10/19/01	8260B
1,1-Dichloroethene	< 1	16 (80 %R)	18 (91 %R) (13 RPD)	ug/l 10/19/01	8260B
Methylene chloride	< 5			ug/l 10/19/01	8260B
Carbon disulfide	< 5			ug/l 10/19/01	8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l 10/19/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 10/19/01	8260B
1,1-Dichloroethane	< 2			ug/l 10/19/01	8260B
2,2-Dichloropropane	< 2			ug/l 10/19/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 10/19/01	8260B
2-Butanone(MEK)	< 10			ug/l 10/19/01	8260B
Bromochloromethane	< 2			ug/l 10/19/01	8260B
Tetrahydrofuran(THF)	< 10			ug/l 10/19/01	8260B
Chloroform	< 2			ug/l 10/19/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 10/19/01	8260B
Carbon tetrachloride	< 2			ug/l 10/19/01	8260B
1,1-Dichloropropene	< 2			ug/l 10/19/01	8260B
Benzene	< 1	18 (90 %R)	18 (92 %R) (2 RPD)	ug/l 10/19/01	8260B
1,2-Dichloroethane	< 2			ug/l 10/19/01	8260B
Trichloroethene	< 2	19 (96 %R)	20 (99 %R) (3 RPD)	ug/l 10/19/01	8260B
1,2-Dichloropropane	< 2			ug/l 10/19/01	8260B
Dibromomethane	< 2			ug/l 10/19/01	8260B
Bromodichloromethane	< 2			ug/l 10/19/01	8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l 10/19/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 10/19/01	8260B
Toluene	< 1	19 (96 %R)	20 (98 %R) (2 RPD)	ug/l 10/19/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 10/19/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 10/19/01	8260B
2-Hexanone	< 10			ug/l 10/19/01	8260B
Tetrachloroethene	< 2			ug/l 10/19/01	8260B
1,3-Dichloropropane	< 2			ug/l 10/19/01	8260B
Dibromochloromethane	< 2			ug/l 10/19/01	8260B
1,2-Dibromoethane	< 2			ug/l 10/19/01	8260B
Chlorobenzene	< 2	21 (105 %R)	22 (109 %R) (4 RPD)	ug/l 10/19/01	8260B
1,1,1,2-Tetrachloroethane	< 2			ug/l 10/19/01	8260B
Ethylbenzene	< 1			ug/l 10/19/01	8260B
mp-Xylene	< 1			ug/l 10/19/01	8260B
o-Xylene	< 1			ug/l 10/19/01	8260B
Styrene	< 1			ug/l 10/19/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28459

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

QC Report

Date of Analysis

Parameter Name	Blank	LCS	LCS Dup	Units	Method
Bromoform	< 2			ug/l 10/19/01	8260B
Iso-Propylbenzene	< 1			ug/l 10/19/01	8260B
Bromobenzene	< 2			ug/l 10/19/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 10/19/01	8260B
1,2,3-Trichloropropane	< 2			ug/l 10/19/01	8260B
n-Propylbenzene	< 1			ug/l 10/19/01	8260B
2-Chlorotoluene	< 2			ug/l 10/19/01	8260B
4-Chlorotoluene	< 2			ug/l 10/19/01	8260B
1,3,5-Trimethylbenzene	< 1			ug/l 10/19/01	8260B
tert-Butylbenzene	< 1			ug/l 10/19/01	8260B
1,2,4-Trimethylbenzene	< 1			ug/l 10/19/01	8260B
sec-Butylbenzene	< 1			ug/l 10/19/01	8260B
1,3-Dichlorobenzene	< 1			ug/l 10/19/01	8260B
p-Isopropyltoluene	< 1			ug/l 10/19/01	8260B
1,4-Dichlorobenzene	< 1			ug/l 10/19/01	8260B
1,2-Dichlorobenzene	< 1			ug/l 10/19/01	8260B
n-Butylbenzene	< 1			ug/l 10/19/01	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l 10/19/01	8260B
1,2,4-Trichlorobenzene	< 1			ug/l 10/19/01	8260B
Hexachlorobutadiene	< 1			ug/l 10/19/01	8260B
Naphthalene	< 5			ug/l 10/19/01	8260B
1,2,3-Trichlorobenzene	1			ug/l 10/19/01	8260B
4-Bromofluorobenzene (surr)	99 %R	95 %R	97 %R	% Rec 10/19/01	8260B
1,2-Dichlorobenzene-D4 (surr)	103 %R	101 %R	102 %R	% Rec 10/19/01	8260B



LABORATORY REPORT

6

Eastern Analytical, Inc. ID#: 28459

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926.01

Volatile Organic Compounds QC Limits and Narrative Summary

Matrix:	Aqueous
Units:	%
EPA Method	624

Surrogate Recovery	
4-Bromofluorobenzene	86-115
1,2-Dichlorobenzene-D4	80-120

Matrix Spike Recovery	
1,1-Dichloroethene	D-156
Benzene	37-151
Trichloroethene	71-157
Toluene	47-150
Chlorobenzene	37-160

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

The method blank showed low levels of 1,2,3-Trichlorobenzene. This is a result of carryover from a prior analysis. This analyte was not found in the field samples.

ITEM #	SAMPLE I.D.	SAMPLING DATE / TIME	MATRIX
			A - Air S - Soil GW - Ground W. SW - Surface W. DW - Drilling W. WW - Waste W.
			C-Comp B ☐ 524.2 ☒ 624 B plus 10 TICs B 602 B-Halos (8010 list) B-BTEX (8020 list) TPH ☐ ME GRO G GRO EPH ☐ ME DRO B DRO Fingerprint ☐ LI ☐ LIII ☐ 625 ☐ A2 ☐ BN ☐ PAH 8082 ☐ 608 ☐ Pesticides d Metals (list below) etals (list below) ETALS (LIST BELOW) ☐ TDS ☐ TS ☐ SO ₄ ☐ NO ₂ ☐ NO ₃ Spec. Con. ☐ BOD ☐ Carb. Alk ☐ BI. Alk ☐ NH ₃ ☐ T. Phos. ☐ TOC ☐ Phenols Grease ☐ TPH ethod below) ☐ Ignit CN ☐ React S ₂ ☐ E. Coll ☐ F. Coll ☐ F. Strip ainers NOTES enaxtube #s MEOH Vial #

PROJECT MANAGER: Larry Nesbitt
COMPANY: IT Corp.
ADDRESS: 88-C Elm St,
CITY: Apkinton STATE MA ZIP 01748
PHONE: (508) 435-9661 EXT: 6145
FAX: 508-485-9644
E-MAIL: _____
SITE NAME: Var120
PROJECT # 88193C-01
STATE: ☐ NH ☒ MA ☐ ME ☐ VT ☐ OTHER _____
☐ Site historically contaminated

Effluent only Level B

Please Return Cooler,

IT Corp.
Hypokinton, MA.

FOR LAB USE ONLY
Adhered to EPA Protocol
☐ Yes ☐ No (see attached)
Temp. 42 °C
Ice: ☒ Yes ☐ No

Relinquished by	Date	Time	Received by
-----------------	------	------	-------------

NOTES
Tenax tube #s
MEOH Vial #



eastern analytical

professional laboratory services

Larry Nesbitt
IT Corp. (Hopkinton)
88 C Elm St.
Hopkinton , MA 01748

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 28867
Client Identification: Varian 821926-01
Date Received: 11/15/2001

Dear Mr. Nesbitt :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with the EPA document "Practical Guide for Ground-Water Sampling." Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

<: "less than" followed by the detection limit

TNR: Testing Not Requested

ND: None Detected, no established detection limit

RL: Reporting Limits

%R: % Recovery

Sample Conditions:

Describes the integrity of samples received by Eastern Analytical, Inc. and any changes that occur while in the laboratory's custody. The number of samples received, form of delivery, condition upon receipt, and requested changes for analyses are detailed on a chart and corresponding narrative. Chain of Custody for the project is also included.

Analytical Deviation & QA/QC Documentation:

Description of analytical deviations due to missed holding times, sample loss or other problems experienced during analyses are noted. Quality Assurance and Quality Control documentation not already reported directly on the final report is included. Problems that arose during analysis and corresponding resolutions to the problems encountered are addressed in the narrative.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Will Brunkhorst, Lab Director

11/25/01

Date

7

of pages (excluding cover letter)



Eastern Analytical, Inc. ID#:

28867 ITCHop

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Sample condition upon receipt and while in Eastern Analytical, Inc. custody.

Chain of Custody for these samples is attached.

Lab ID	SampleID	Date Received	Date Sampled	Sample % Dry Matrix Weight	Condition	Temp.	Exceptions/Comments
28867.01	Effluent	11/15/01	11/14/01	aqueous	Acceptable	9° C	
28867.02	Effluent Blank	11/15/01	11/14/01	aqueous	Acceptable	9° C	
28867.03	Midfluent	11/15/01	11/14/01	aqueous	Acceptable	9° C	
28867.04	Influent	11/15/01	11/14/01	aqueous	Acceptable	9° C	

NA = Not Applicable

Narrative: The samples were properly preserved and the pH measured when applicable unless otherwise noted. pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, and Specific Gravity analyses are reported on an as received basis.



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28867

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Sample ID:	Effluent
Analytical Type:	Sample
Matrix:	aqueous
Date Sampled:	11/14/01
Date Received:	11/15/01
Units:	ug/l
Date of Analysis:	11/22/01
Analyst:	JDS
Method:	624
Dilution Factor:	1

Chloromethane	< 5
Vinyl chloride	< 2
Bromomethane	< 2
Chloroethane	< 5
Acetone	< 50
1,1-Dichloroethene	< 1
Methylene chloride	< 5
Methyl-t-butyl ether(MTBE)	< 10
trans-1,2-Dichloroethene	< 2
Vinyl acetate	< 10
1,1-Dichloroethane	< 2
cis-1,2-Dichloroethene	< 2
2-Butanone(MEK)	< 10
Chloroform	< 2
1,1,1-Trichloroethane	< 2
Carbon tetrachloride	< 2
Benzene	< 1
1,2-Dichloroethane	< 2
Trichloroethene	< 2
1,2-Dichloropropane	< 2
Bromodichloromethane	< 2
2-Chloroethoxyethene	< 2
4-Methyl-2-pentanone(MIBK)	< 10
cis-1,3-Dichloropropene	< 2
Toluene	< 1
trans-1,3-Dichloropropene	< 2
1,1,2-Trichloroethane	< 2
2-Hexanone	< 10
Tetrachloroethene	< 2
Dibromochloromethane	< 2
Chlorobenzene	< 2
Ethylbenzene	< 1
mp-Xylene	< 1
o-Xylene	< 1
Styrene	< 1
Bromoform	< 2
1,1,2,2-Tetrachloroethane	< 2
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
4-Bromofluorobenzene (surr)	101 %R
1,2-Dichlorobenzene-D4 (surr)	102 %R



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28867

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Sample ID:	Effluent Blank	Midfluent	Influent
Analytical Type:	Sample	Sample	Sample
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	11/14/01	11/14/01	11/14/01
Date Received:	11/15/01	11/15/01	11/15/01
Units:	ug/l	ug/l	ug/l
Date of Analysis:	11/25/01	11/25/01	11/25/01
Analyst:	JDS	JDS	JDS
Method:	624	624	624
Dilution Factor:	1	1	1000

Chloromethane	< 5	< 5	< 5000
Vinyl chloride	< 2	< 2	< 2000
Bromomethane	< 2	< 2	< 2000
Chloroethane	< 5	< 5	< 5000
Acetone	< 50	60	< 50000
1,1-Dichloroethene	< 1	< 1	< 1000
Methylene chloride	< 5	< 5	< 5000
Methyl-t-butyl ether(MTBE)	< 10	< 10	< 1000
trans-1,2-Dichloroethene	< 2	< 2	< 2000
Vinyl acetate	< 10	< 10	< 10000
1,1-Dichloroethane	< 2	< 2	< 2000
cis-1,2-Dichloroethene	< 2	< 2	3000
2-Butanone(MEK)	< 10	< 10	< 10000
Chloroform	< 2	< 2	< 2000
1,1,1-Trichloroethane	< 2	< 2	< 2000
Carbon tetrachloride	< 2	< 2	< 2000
Benzene	< 1	< 1	< 1000
1,2-Dichloroethane	< 2	< 2	< 2000
Trichloroethene	< 2	2	55000
1,2-Dichloropropane	< 2	< 2	< 2000
Bromodichloromethane	< 2	< 2	< 2000
2-Chloroethoxyethene	< 2	< 2	< 2000
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10000
cis-1,3-Dichloropropene	< 2	< 2	< 2000
Toluene	< 1	< 1	< 1000
trans-1,3-Dichloropropene	< 2	< 2	< 2000
1,1,2-Trichloroethane	< 2	< 2	< 2000
2-Hexanone	< 10	< 10	< 10000
Tetrachloroethene	< 2	< 2	21000
Dibromochloromethane	< 2	< 2	< 2000
Chlorobenzene	< 2	< 2	< 2000
Ethylbenzene	< 1	< 1	< 1000
mp-Xylene	< 1	< 1	< 1000
o-Xylene	< 1	< 1	< 1000
Styrene	< 1	< 1	< 1000
Bromoform	< 2	< 2	< 2000
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2000
1,3-Dichlorobenzene	< 1	< 1	< 1000
1,4-Dichlorobenzene	< 1	< 1	< 1000
1,2-Dichlorobenzene	< 1	< 1	< 1000



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28867

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

QC Report

Parameter Name	Blank	LCS	LCS Dup	Date of Analysis	
				Units	Method
Dichlorodifluoromethane	< 5			ug/l 11/22/01	8260B
Chloromethane	< 5			ug/l 11/22/01	8260B
Vinyl chloride	< 2			ug/l 11/22/01	8260B
Bromomethane	< 2			ug/l 11/22/01	8260B
Chloroethane	< 5			ug/l 11/22/01	8260B
Trichlorofluoromethane	< 5			ug/l 11/22/01	8260B
Diethyl ether	< 5			ug/l 11/22/01	8260B
Acetone	< 10			ug/l 11/22/01	8260B
1,1-Dichloroethene	< 1	24 (122 %R)	23 (115 %R) (6 RPD)	ug/l 11/22/01	8260B
Methylene chloride	< 5			ug/l 11/22/01	8260B
Carbon disulfide	< 5			ug/l 11/22/01	8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l 11/22/01	8260B
trans-1,2-Dichloroethene	< 2			ug/l 11/22/01	8260B
1,1-Dichloroethane	< 2			ug/l 11/22/01	8260B
2,2-Dichloropropane	< 2			ug/l 11/22/01	8260B
cis-1,2-Dichloroethene	< 2			ug/l 11/22/01	8260B
2-Butanone(MEK)	< 10			ug/l 11/22/01	8260B
Bromochloromethane	< 2			ug/l 11/22/01	8260B
Tetrahydrofuran(THF)	< 10			ug/l 11/22/01	8260B
Chloroform	< 2			ug/l 11/22/01	8260B
1,1,1-Trichloroethane	< 2			ug/l 11/22/01	8260B
Carbon tetrachloride	< 2			ug/l 11/22/01	8260B
1,1-Dichloropropene	< 2			ug/l 11/22/01	8260B
Benzene	< 1	22 (110 %R)	21 (106 %R) (4 RPD)	ug/l 11/22/01	8260B
1,2-Dichloroethane	< 2			ug/l 11/22/01	8260B
Trichloroethene	< 2	22 (109 %R)	21 (103 %R) (6 RPD)	ug/l 11/22/01	8260B
1,2-Dichloropropane	< 2			ug/l 11/22/01	8260B
Dibromomethane	< 2			ug/l 11/22/01	8260B
Bromodichloromethane	< 2			ug/l 11/22/01	8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l 11/22/01	8260B
cis-1,3-Dichloropropene	< 2			ug/l 11/22/01	8260B
Toluene	< 1	22 (111 %R)	21 (107 %R) (4 RPD)	ug/l 11/22/01	8260B
trans-1,3-Dichloropropene	< 2			ug/l 11/22/01	8260B
1,1,2-Trichloroethane	< 2			ug/l 11/22/01	8260B
2-Hexanone	< 10			ug/l 11/22/01	8260B
Tetrachloroethene	< 2			ug/l 11/22/01	8260B
1,3-Dichloropropane	< 2			ug/l 11/22/01	8260B
Dibromochloromethane	< 2			ug/l 11/22/01	8260B
1,2-Dibromoethane	< 2			ug/l 11/22/01	8260B
Chlorobenzene	< 2	21 (104 %R)	21 (103 %R) (1 RPD)	ug/l 11/22/01	8260B
1,1,1,2-Tetrachloroethane	< 2			ug/l 11/22/01	8260B
Ethylbenzene	< 1			ug/l 11/22/01	8260B
mp-Xylene	< 1			ug/l 11/22/01	8260B
o-Xylene	< 1			ug/l 11/22/01	8260B
Styrene	< 1			ug/l 11/22/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28867

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

QC Report

Parameter Name	Blank	LCS	LCS Dup	Date of Analysis	
				Units	Method
Bromoform	< 2			ug/l 11/22/01	8260B
iso-Propylbenzene	< 1			ug/l 11/22/01	8260B
Bromobenzene	< 2			ug/l 11/22/01	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l 11/22/01	8260B
1,2,3-Trichloropropane	< 2			ug/l 11/22/01	8260B
n-Propylbenzene	< 1			ug/l 11/22/01	8260B
2-Chlorotoluene	< 2			ug/l 11/22/01	8260B
4-Chlorotoluene	< 2			ug/l 11/22/01	8260B
1,3,5-Trimethylbenzene	< 1			ug/l 11/22/01	8260B
tert-Butylbenzene	< 1			ug/l 11/22/01	8260B
1,2,4-Trimethylbenzene	< 1			ug/l 11/22/01	8260B
sec-Butylbenzene	< 1			ug/l 11/22/01	8260B
1,3-Dichlorobenzene	< 1			ug/l 11/22/01	8260B
p-isopropyltoluene	< 1			ug/l 11/22/01	8260B
1,4-Dichlorobenzene	< 1			ug/l 11/22/01	8260B
1,2-Dichlorobenzene	< 1			ug/l 11/22/01	8260B
n-Butylbenzene	< 1			ug/l 11/22/01	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l 11/22/01	8260B
1,2,4-Trichlorobenzene	< 1			ug/l 11/22/01	8260B
Hexachlorobutadiene	1			ug/l 11/22/01	8260B
Naphthalene	< 5			ug/l 11/22/01	8260B
1,2,3-Trichlorobenzene	1			ug/l 11/22/01	8260B
Ethyl-t-butyl ether(ETBE)	< 5			ug/l 11/22/01	8260B
tert-amyl methyl ether(TAME)	< 5			ug/l 11/22/01	8260B
Isopropyl ether(DIPE)	< 5			ug/l 11/22/01	8260B
tert-Butyl Alcohol (TBA)	< 50			ug/l 11/22/01	8260B
4-Bromofluorobenzene (surr)	98 %R	95 %R	96 %R	% Rec 11/22/01	8260B
1,2-Dichlorobenzene-D4 (surr)	100 %R	103 %R	103 %R	% Rec 11/22/01	8260B



LABORATORY REPORT

Eastern Analytical, Inc. ID#: 28867

Client: IT Corp. (Hopkinton)

Client Designation: Varian 821926-01

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Solid	Aqueous
Units:	%	%
EPA Method	8260B	8260B
Surrogate Recovery		
4-Bromofluorobenzene	74-121	86-115
1,2-Dichlorobenzene-D4	80-120	80-120
2,5-Dibromotoluene	70-130	70-130
Matrix Spike Recovery		
1,1-Dichloroethene	59-172	61-145
Trichloroethene	62-137	71-120
Benzene	66-142	76-127
Toluene	59-139	76-125
Chlorobenzene	60-133	75-130

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted below.

The method blank showed low levels of Hexachlorobutadiene and 1,2,3-Trichlorobenzene. This is a result of carryover from a prior analysis. These analytes were not found in the field samples.

RESULTS NEEDED BY _____
(enter preferred date): _____
(Guaranteed rapid turnaround needs pre-approval)

QA / QC Reporting Level
☐ A ☐ B ☐ C

Reporting Options:
☐ Hard Copy ☐ Fax

Electronic:
☐ E-Mail ☐ Disk

Order # _____

P.O. # _____

Sample #: 1740 Sawyer

11/14/01 16:36
1995010256 1995010256

Date 11/14/01 **Time** 16:36

Relinquished by _____

Date _____ **Time** _____

Relinquished by _____

Received by _____

Date _____ **Time** _____

Received by _____

FOR LAB USE ONLY
Adhered to EPA Protocol
☐ Yes ☐ No (see attached)
Temp. 9 °C
Ica: ☐ Yes ☐ No