

Remedial Action Progress Report

**Former Lockheed Electronics Company
1301 Route 22 West
Watchung, New Jersey**

ISRA Case No. 90038

Prepared by:

**TRC
57 East Willow Street
Millburn, New Jersey 07041**

October 2005

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LIST OF ATTACHMENTS

Ground Water Laboratory Data Package (STL Job P601)-September 2003
Ground Water Laboratory Data Package (STL Job U920)-December 2003
Ground Water Laboratory Data Packages (STL Jobs Z834 and A952)-March 2004
Ground Water Laboratory Data Package (STL Job F061)-June 2004
Ground Water Laboratory Data Package (STL Job L571)-September 2004
Ground Water Laboratory Data Package (STL Job Q137)-December 2004
Ground Water Laboratory Data Packages (STL Jobs U270 and U325) -March 2005
Ground Water and Surface Water Laboratory Data Package (STL Job Z637)-June 2005
Surface Water Laboratory Data Package (STL Job L360)-July 2003
Surface Water Laboratory Data Package (STL Job N205)-August 2003
Surface Water Laboratory Data Package (STL Job P490)-September 2003
Surface Water Laboratory Data Package (STL Job R485)-October 2003
Surface Water Laboratory Data Package (STL Job T355)-November 2003
Surface Water Laboratory Data Package (STL Job U911)-December 2003
Surface Water Laboratory Data Package (STL Job W241)-January 2004
Surface Water Laboratory Data Package (STL Job X944)-February 2004
Surface Water Laboratory Data Package (STL Job Z662)-March 2004
Surface Water Laboratory Data Package (STL Job B612)-April 2004
Surface Water Laboratory Data Package (STL Job D563)-May 2004
Surface Water Laboratory Data Package (STL Job F060)-June 2004
Surface Water Laboratory Data Package (STL Job G792)-July 2004
Surface Water Laboratory Data Package (STL Job I922)-August 2004
Surface Water Laboratory Data Package (STL Job L569)-September 2004
Surface Water Laboratory Data Package (STL Job M655)-October 2004
Surface Water Laboratory Data Package (STL Job O297)-November 2004
Surface Water Laboratory Data Package (STL Job Q115)-December 2004
Surface Water Laboratory Data Package (STL Job R762)-January 2005
Surface Water Laboratory Data Package (STL Job S800)-February 2005
Surface Water Laboratory Data Package (STL Job U274)-March 2005
Surface Water Laboratory Data Package (STL Job W284)-April 2005
Surface Water Laboratory Data Package (STL Job Y154)-May 2005
Air Samples Laboratory Data Package (Lancaster 4128026-4128028) -September 2003

CERTIFICATION

The following certification shall be signed as follows:

- 1. For a corporation, by a principal executive officer of at least the level of vice president;**
- 2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or;**
- 3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official.**
- 4. For persons other than 1 through 3 above, by the person with legal responsibility for the site.**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Type/Printed Name _____ Title _____

Signature _____ Date _____

Company _____

Sworn to and subscribed before me on this
_____ day of _____
20____.

Notary [seal]

1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Remedial Action Progress Report (RAPR) for the former Lockheed Electronics Company (LEC) site in Watchung, New Jersey (The site is now presently the Watchung Square). Figure 1 is a site location plan depicting site location, local topography, surface drainage, and cultural patterns.

A ground water extraction system (GWES) was activated on July 17, 2003. Ground water is pumped from extraction well RW-1, located on North Drive in North Plainfield, at an approximate rate of 130 gallons per minute (gpm). In addition, shallow ground water is extracted intermittently from an interceptor trench located on New Jersey Department of Transportation (NJDOT)-owned land. Extracted ground water is treated by carbon in a treatment plant located on the NJDOT-owned land adjacent to North Drive and discharged to Crab Brook in accordance with the NJPDES permit. The GWES has worked continuously from start-up and has functioned as designed.

An extensive monitoring well network has delineated a ground water plume comprised primarily of TCE in the local bedrock aquifer and shallow unconsolidated sediments in certain locations. There are currently 42 active monitoring wells and piezometers associated with this project in the Boroughs of Watchung and North Plainfield, all of which are installed as either well couplets or triplets to evaluate the vertical distribution of contaminants. A site plan has been provided (Figure 2) to show the location of the monitoring wells, piezometers, extraction well, interceptor trench, and treatment plant, along with other area features.

Numerous sampling activities have occurred since the GWES became operational. Section 2 of this report presents the results of the quarterly ground water sampling events conducted since September 2003. Stream sampling has occurred on a monthly basis since start-up and results are presented in Section 3. Section 4 contains monthly system performance results and provides an overview of the GWES. Section 5 includes the air and sump sampling activities conducted in Regency Village Apartments; and lastly Section 6 is a brief summary of the sampling results and recommendations for future sampling activities.

2.0 GROUND WATER MONITORING AND SAMPLING ACTIVITIES

Ground water monitoring and sampling events occurred on a quarterly basis (September 2003, December 2003, March 2004, June 2004, September 2004, December 2004, March 2005, and June 2005), since the GWES became operational, according to the sampling schedule presented in Table 1. Results for the sampling events are presented in the sections below.

2.1 Water-Level Measurements

Prior to each sampling event, TRC measured the water levels in all monitoring wells associated with the Site. No free product was detected in any of the wells. Table 2 provides depth to water (DTW) measurements and water level elevations for the sampling events included in this report.

The water level elevations were used to prepare ground water contour maps for September 2003, March 2004, September 2004, and March 2005 to reflect a seasonal range of ground water conditions. Ground water flow directions for the water table (overburden/shallow bedrock) zone, the intermediate bedrock zone, and the deeper bedrock zone for the four sampling rounds are depicted on Figures 3 through 14, using the hydrostratigraphic classification presented in Table 3. The ground water elevation for extraction well RW-1 was included on both the shallow and intermediate zone contour maps. These figures indicate that ground water in the bedrock enters the former LEC site from the east, flows across the site to the southwest, and then trends in a more southerly direction toward Crab Brook and beyond. Ground water flow in the shallow and intermediate zones has been altered since the continuous pumping at extraction well RW-1 began in July 2003. A cone of depression is apparent around extraction well RW-1 in both of these zones. In the deeper zone, the effect of pumping is less pronounced and ground water flows south towards Crab Brook and beyond. The Contour Map Reporting Forms are included in Appendix A. Wells MW-505A and B, PZ-524A, B, and C, and MW-547A and B were resurveyed on September 7, 2004 after repairs were made to the manholes and casings. Top of casing elevations have changed for these wells, as noted in Table 2. New Form Bs are provided in Appendix B.

2.2 Ground Water Sample Collection

Analytical results for the ground water samples collected during the quarterly events included in this report are provided in Table 4, and a summary table of historical results for contaminants of concern is provided in Table 5. Concentrations that exceed NJDEP Ground Water Quality Criteria (New Jersey Administrative Code 7:9-6) are highlighted in Table 4. The complete ground water laboratory data packages are included as separate attachments along with the required NJDEP electronic deliverables. Sampling results for the monitoring events are discussed in Section 2.3.

At each sampled well location (except for locations MW-544A and PZ-522C during the September 2003 event), TRC collected the samples from the passive diffusion bags (PDBs) at selected intervals in the wells and filled the appropriate bottleware for analysis of VOC+10 using EPA Method 624+10. The samples were submitted to STL Edison (STL) for analysis.

During the September 2003 event, both PDB and conventional sampling methods at MW-544A and PZ-522C were employed since results of the vertical profiling conducted during the March 2003 event were inconclusive. PDB samples were collected from each well (four samples from MW-544A and two samples from PZ-522C), and then the conventional sampling technique was performed. Ground water field parameters (pH, Eh, temperature, dissolved oxygen, salinity, turbidity, specific conductivity) were measured periodically using an in-line, flow-through cell connected to pump discharge during well purging, and after the ground water sample had been collected. The Monitoring Well Field Sampling/Information Sheet is provided in Appendix C. After evaluating the results for wells MW-544A and PZ-522C, TRC has chosen specific intervals using PDBs for future sampling events at these locations. The interval that is approximately 15 feet below the water table has been chosen for well MW-544A and the interval approximately 10 feet below the water table has been chosen for well PZ-522C.

Typically, the highest TCE concentrations reported during the events were in on-site wells MW-549A and MW-549B with concentrations ranging from 98 micrograms/Liter ($\mu\text{g/L}$) to 1,100 $\mu\text{g/L}$ in well MW-549A and from 659 $\mu\text{g/L}$ to 2,319 $\mu\text{g/L}$ in well MW-549B. These two wells are located closest to the former source area. Off-site wells MW-502B, MW-506A, MW-507A, and MW-550B all contained TCE concentrations in excess of 300 $\mu\text{g/L}$. These wells are located closest to the pumping well RW-1. Further discussion of ground water results is presented in Section 2.3.

2.3 Summary of Ground Water Results

Historical TCE results for the sampled wells are presented in Table 5, while Figure 15 illustrates TCE and other detected VOC concentrations from the sampled wells since the GWES became operational. Historical TCE concentrations versus time plots are presented in Appendix D for selected wells. The wells designated as plume wells were sampled during all eight quarterly sampling events presented in this report. These wells are located near the former source area or directly downgradient and influenced the most by the active pumping at extraction well RW-1. General decreasing trends since pumping began in July 2003 were observed in all plume wells. The wells designated as compliance wells were sampled four times, while the background wells were sampled twice since pumping began in July 2003. Most of these wells exhibited a decreasing trend in TCE concentrations.

Particularly notable is well MW-502B, located south of the extraction well at the intersection of North

Drive and Route 22. Concentrations of TCE have decreased in this well from greater than 1,000 µg/L before pumping to less than 400 µg/L. Well MW-506A, located on North Drive north of the extraction well, has also demonstrated a pronounced decreasing trend. These wells are within the cone of depression formed by the extraction well and provide a good indication of the cross-section of the plume directly impacted by the pumping program.

While well MW-546A reported a general increase in TCE, the magnitude of the change is consistent with the varying concentrations reported over the years of data collection. When compared to previous sampling rounds, the plume appears to be relatively stable in terms of area and generally declining in terms of concentration, with the data displaying the minor variations typical of TCE in bedrock.

Other contaminants, including chloroform, tetrachloroethene (PCE), 1,1- Dichloroethane, cis-1,2-dichloroethene (cis-1,2-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE), were detected in some of the sampled wells at relatively low concentrations. PCE, ethanes, and aromatic hydrocarbons are not associated with the LEC plume. Most of the off-site monitoring wells are located near major roadways, on streets and parking lots, and the data indicate that there are other VOC sources degrading ground water quality in the general vicinity of the LEC plume.

3.0 SURFACE WATER MONITORING AND SAMPLING ACTIVITIES

3.1 Surface Water Monitoring and Sampling

From July 2003 through June 2005, surface water samples were collected monthly from five locations: SW-1, SW-2, SW-3, SW-4, and SW-12. The locations are presented on Figure 2. During each sampling event, stream flow measurements were collected at these locations to estimate stream discharge volume. Field measurements and calculations for stream flow are presented in Appendix E.

The surface water samples were submitted to STL and analyzed for VOC+10 using EPA Method 624+10. The surface water analytical results are presented in Table 6 and on Figure 15. The monthly laboratory data packages for the surface water samples are included as separate attachments to this report, along with the required NJDEP electronic deliverables.

3.2 Summary of Surface Water Results

Historical TCE results for the five surface water locations are presented in Table 7 and on Figure 16. After the GWES was activated in July 2003, significant decreases in TCE concentrations at sampling locations SW-2, SW-3 and SW-4 were observed as shown on graphs of historical TCE concentrations versus time (Appendix F). The most significant decrease in TCE concentrations occurred at location SW-2, which illustrates that pumping at extraction RW-1 well is controlling discharge of TCE to Crab Brook. Concentrations prior to pumping generally ranged from 40 µg/L to 160 µg/L; since pumping began, the highest concentration in the stream has been 3.6 µg/L (in July 2003, before the cone of depression was well-established). The TCE concentration has exceeded 2 µg/L on only four occasions, and has been non-detect for almost half the samples. A similar pattern emerges for locations SW-3 and SW-4, both of which reported TCE concentrations in the tens of micrograms per liter prior to pumping and now are generally less than 1 µg/L or below the detection limit. These stream locations are all directly downgradient of the pumping well, and within the cone of depression formed by the pumping well along bedrock strike. No TCE was detected at location SW-1, located sidegradient to the plume, during any of the sampling events which is consistent with previous sampling events.

Location SW-12 is located at the confluence of Crab Brook and Green Brook, almost 4,000 feet southwest of the pumping well. In addition to TCE, other contaminants such as PCE, cis-1,2-DCE, and cis-1,3-Dichloropropene have been detected at this location; none of these contaminants have been associated with the LEC site. The PCE/TCE ratios reported in samples collected from location SW-12 have been generally consistent since sampling began, and it suggests the presence of a PCE source in this area.

4.0 SYSTEM PERFORMANCE MONITORING AND SAMPLING

The GWES became operational in July 2003. Ground water is pumped from extraction well, RW-1, at an average rate of 130 gpm and intermittently from the interceptor trench at less than 10 gpm. It appears that the interceptor trench only pumps when surface water infiltrates during rain events; the rest of the time, the potentiometric surface is below the trench bottom. Approximately 130 million gallons of water was treated and discharged to Crab Brook from July 2003 to June 2005. Static ground water in well RW-1 prior to pumping was less than twenty feet below grade (well depth is 150 ft below grade). The pumping level in July 2003, less than two weeks after pumping started, was 43.8 feet and has since declined to 62.6 feet below grade in June 2005. This is strong evidence that a stable cone of depression has been created in the bedrock aquifer as a result of pumping.

System performance sampling is conducted monthly. During each event, three samples are collected: raw influent, midway between carbon units, and treated effluent. The influent and mid samples are analyzed for VOC+10, while the effluent was initially analyzed for VOC+10, lead, chemical oxygen demand (COD) and total suspended solids (TSS) by STL. These sampling parameters for the effluent samples are required for the NJPDES permit. In addition, the NJPDES permit also required quarterly sampling for whole effluent toxicity testing conducted by Aquatic Laboratory Services, Inc. In June 2005 the individual NJPDES permit was revoked and reissued as a General Remediation Permit; as a result, the effluent sampling requirements have been reduced from monthly to quarterly. A copy of the General Remediation Permit #NJG0105899 is provided in Appendix G. The whole effluent toxicity testing has also been reduced from two species to one specie. TRC continues to collect monthly performance samples to evaluate system performance and ensure compliance with discharge requirements. No effluent sample has ever reported an exceedance for any permit requirement.

Performance sampling results are presented in Table 8. Influent TCE concentrations ranged from 62 µg/L in July 2003 to 650 µg/L in December 2003, with an average concentration of 385 µg/L over the two years of operation. Effluent TCE concentrations had been non-detect (ND) during the first six months of operation, then from January 2004 to July 2004 effluent concentrations have ranged from ND to 2.8 µg/L; since then all concentrations have been well below 1 µg/L. The NJPDES permit limit for TCE is 5.4 µg/L. Several carbon change-outs have been conducted since the system became operational.

5.0 REGENCY VILLAGE BASEMENT SAMPLING

On September 23, 2003, air samples using summa canisters were collected in the basements of Buildings 6, 26, and 36 of Regency Village. The summa canisters were placed in the three basements with the valves opened in order to collect air samples over a 24-hour period. On September 24, 2003, the summa canisters were sent to Lancaster Laboratories (NJ certification #PA011) for analysis of VOCs using EPA Method TO-14.

The sampling locations from the three buildings along with analytical results are presented on Figure 17. Results are presented in Table 9. Several compounds were detected in each sample. Primarily the contaminants are petroleum-related. The sample collected from Building 26 had a very low detection of TCE at an estimated concentration 0.7 parts per billion per volume (ppb/v). The laboratory data package for the three air samples is attached to this report.

Water samples were collected from the sumps of Buildings 6, 26, and 36 during the June 2004 sampling event and analyzed for VOC+10 by STL. Results are also tabulated on Table 10. No compounds associated with the LEC site were identified in the samples. The results are included in the laboratory data package for June 2004 water samples which is attached to this report.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

The GWES was activated in July 2003. Ground water has been extracted from well RW-1 at an average rate of 130 gpm and treated through three carbon vessels located in a treatment plant on NJDOT-owned land. From July 2003 to June 2005, approximately 130 million gallons of treated ground water have been discharged to Crab Brook in accordance with NJPDES permit.

Since GWES became operational in July 2003, a steep cone of depression has formed around extraction well RW-1. Ground water flow direction in both the shallow and intermediate zones has been redirected in a localized area near the extraction well. The continued pumping at well RW-1 is exerting hydraulic control over a large percentage of the plume and has reduced ground water discharge to Crab Brook, as well as reducing downgradient migration of the plume.

In accordance with the approved sampling program, a quarterly ground water sampling program has been conducted since the treatment system was initiated. Ground water samples have been collected quarterly from selected wells and analyzed for VOC+10. The highest TCE concentrations were reported in on-site well cluster MW-549, nearest to the former source zone. Decreasing trends have been apparent in wells MW-502A, 502B, 506A, 507A, 507B, 508B, 546A, 549A, 549B, 550B, 550C, P-522A, and P-522C. The decline in the source area wells likely reflects the effectiveness of the source removal actions conducted at the site in the mid-1990s. Decreases are highest in wells near the source and impacted by the treatment system; wells further downgradient and at the fringes of the plume, with lower concentrations, generally show less distinct trends. In general, the plume is stable in area and generally declining in concentration.

Monthly stream samples were collected at five locations. After the GWES was activated in July 2003, dramatic decreases in TCE concentrations at sampling locations SW-2, SW-3 and SW-4 were observed. The combination of ground water pumpage, reduced baseflow, and the discharge of treated water has effectively mitigated the impact of the plume on Crab Brook.

System performance samples were also collected on a monthly basis at influent, mid and effluent sampling points. Influent TCE concentrations ranged from 62 µg/L in July 2003 to 650 µg/L in December 2003, with an average concentration of 385 µg/L over the two years of operation. Effluent TCE concentrations have ranged from ND during many monthly events to a maximum 2.8 µg/L; all

TCE concentrations have been well below the NJPDES permit of 5.4 µg/L. The system is

performing as designed.

6.2 Recommendations

6.2.1 Sampling Program

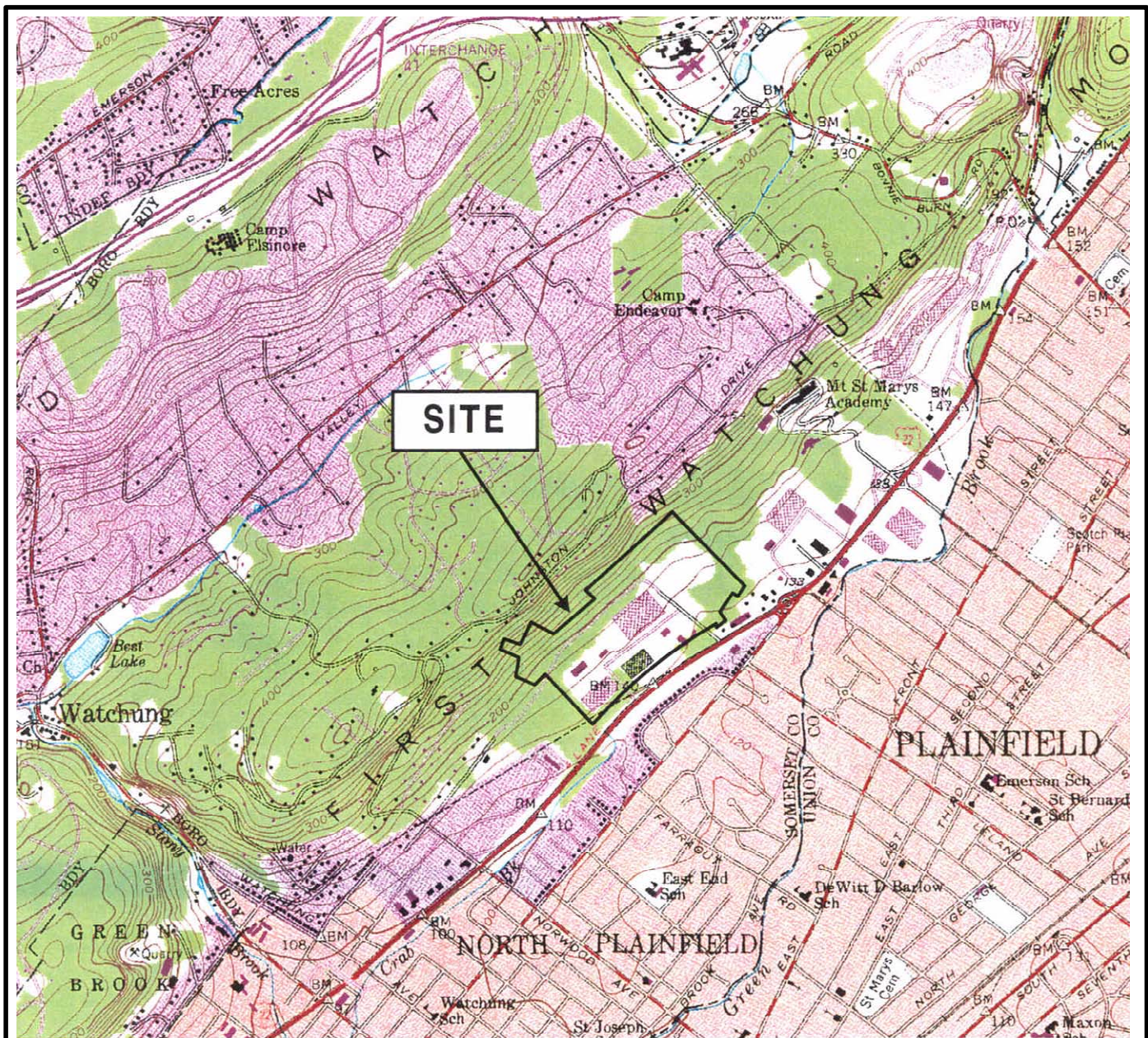
Based on the results of the first two years of operation, TRC proposes a new sampling schedule as presented in Table 11. Eight quarters of data have demonstrated the effectiveness of the pumping program and mitigated the impact to Crab Brook. TRC believes semiannual sampling is adequate to monitor the progress of the plume remediation, and proposes to continue to collect samples from selected wells in March and September to evaluate conditions during the extremes of the seasonal hydrologic cycle. Wells normally scheduled for annual sampling will continue to be sampled in March.

TRC also proposes to conduct semiannual stream sampling instead of monthly, based on the sustained reduction in stream concentrations observed during the first two years of operation. Surface water quality is protected by the monthly performance sampling and quarterly NJPDES sampling for the system, and continued operation of the extraction well. In addition, TRC proposes the elimination of sample location SW-12, due to its distance from the site and the evidence of other sources contributing to the degradation of water quality; this data is not useful to evaluating the progress of the LEC plume remediation.

6.2.2 Reporting

TRC proposes to reduce the reporting requirement to a single annual report, summarizing data collected during the year and evaluating the progress of the remediation.

FIGURES



SOURCE: 

0 1000 2000
SCALE IN FEET



Site Location Map

Former Lockheed Electronics Company, Inc.

Watchung

New Jersey

Scale as Shown

FIGURE
NUMBER

1

PROJECT
NUMBER

2542

TRC



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- ⦿ WELL ABANDONED OR DESTROYED

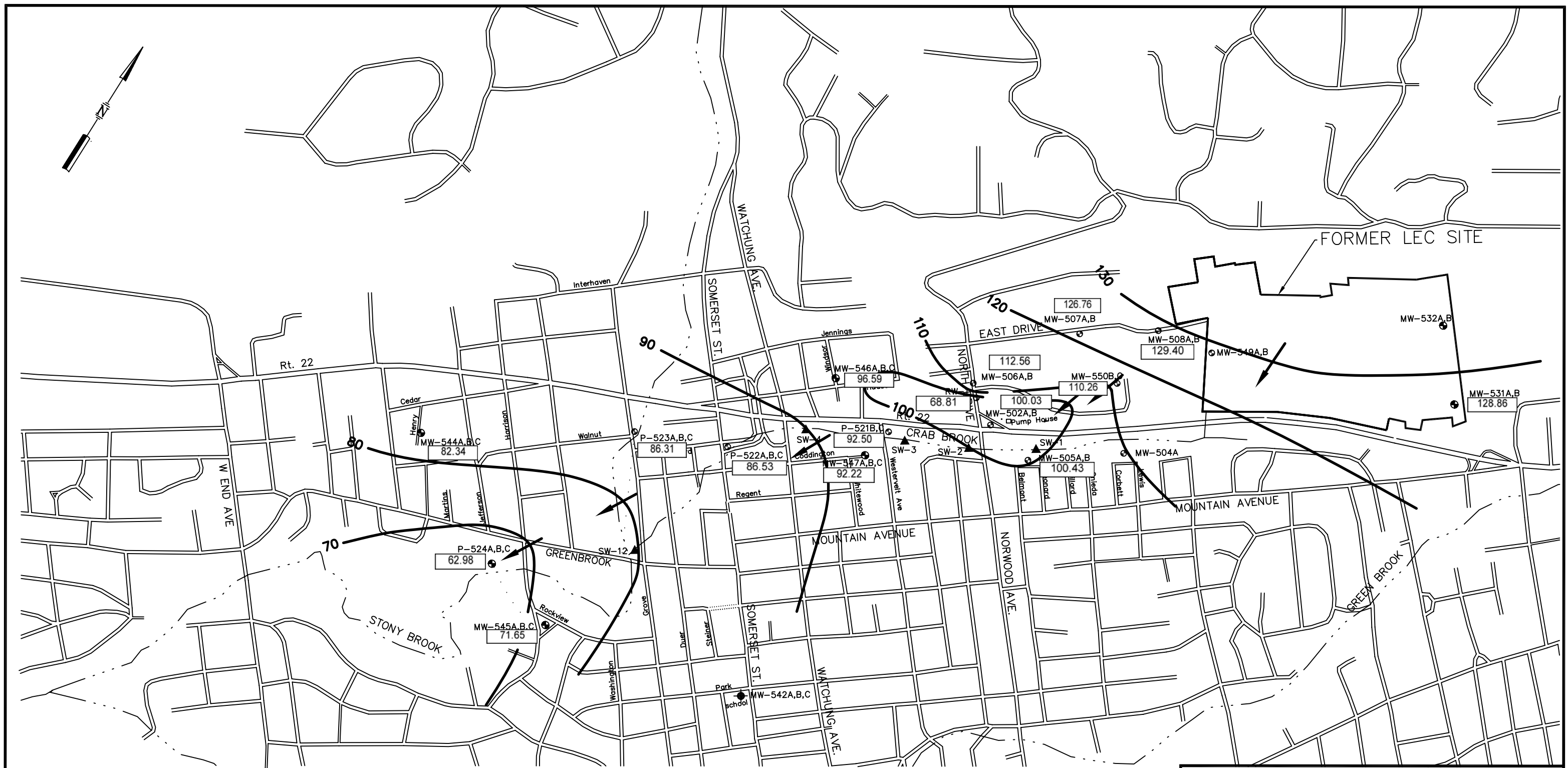


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FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 2
SITE PLAN

Date: 2/3/05Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 100.43 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)
- 86 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

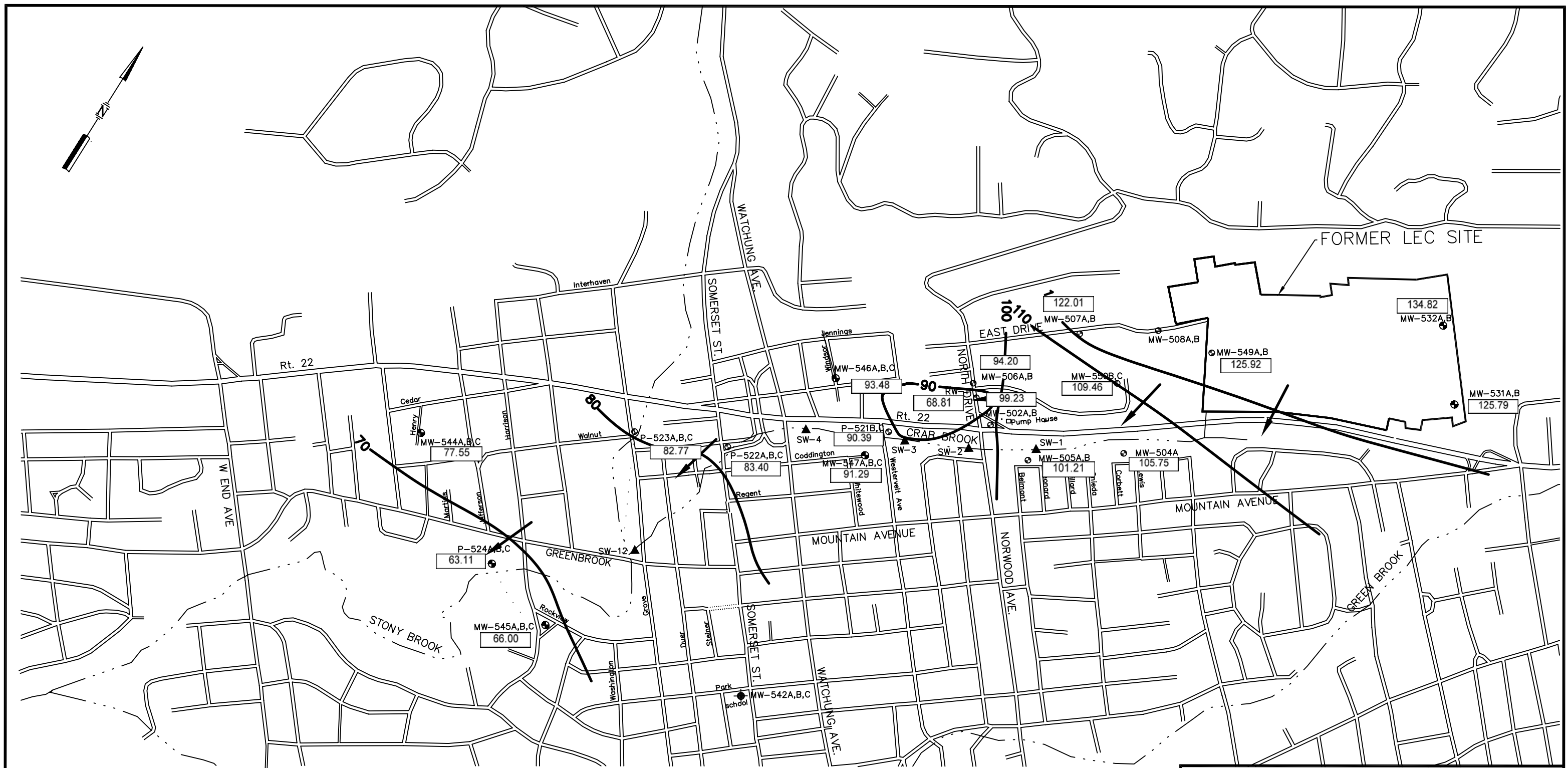


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Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 3
SHALLOW ZONE ELEVATION MAP
(9/22/03)

Date: 2/3/05 Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 101.21 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)
- 86 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED



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FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 4
INTERMEDIATE ZONE ELEVATION MAP
(09/22/03)

Date: 2/3/05 Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION

- 86 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

87.75 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)

0 1000 ft.
APPROXIMATE SCALE

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FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 5
DEEP ZONE ELEVATION MAP
(09/22/03)

Date: 2/3/05

Project No. E9201-9303-00000

GWE-DEEP-092203



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 80 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- 71.68 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)
- WELL ABANDONED OR DESTROYED

TRC Environmental Corporation

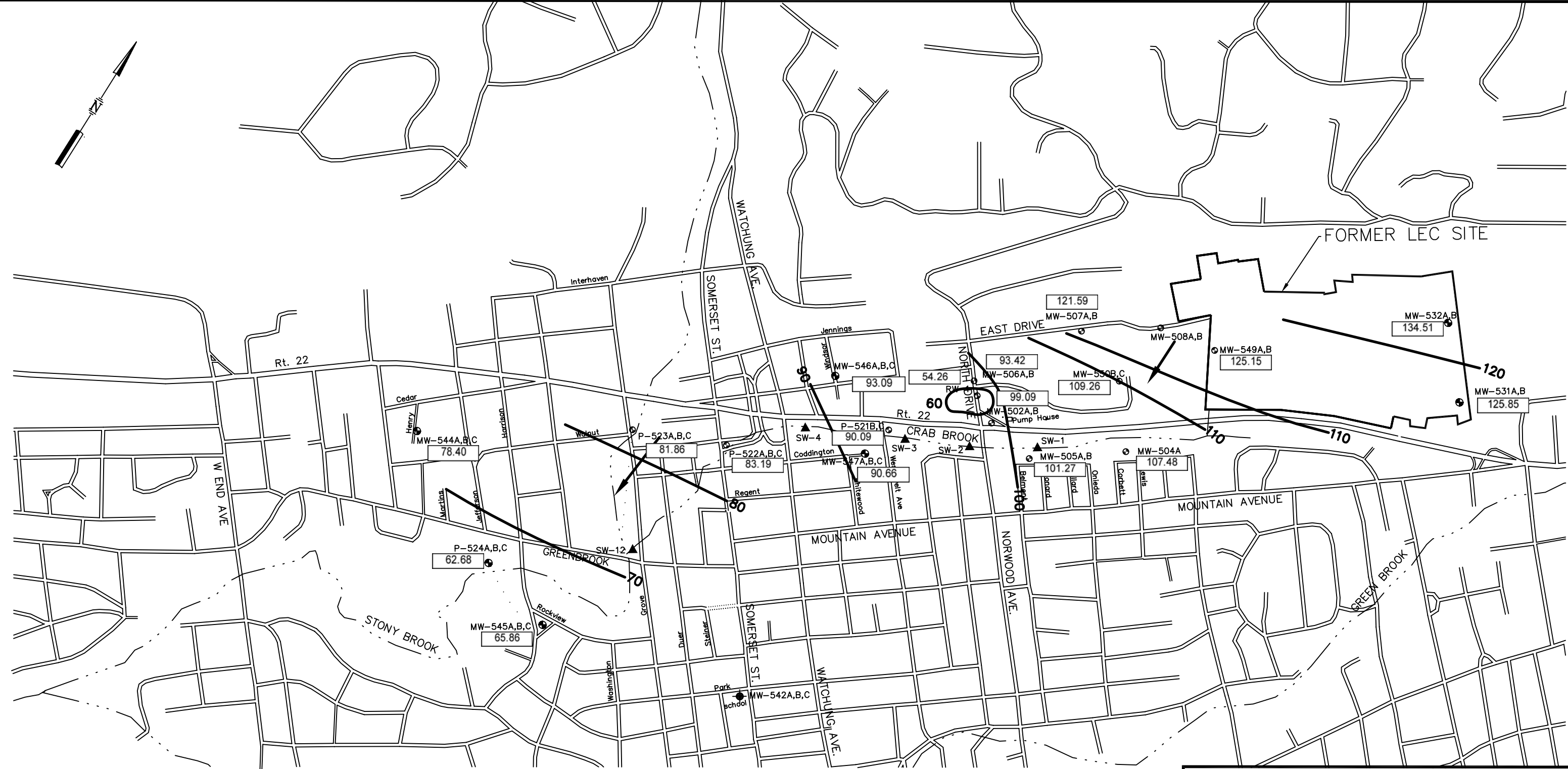
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 9
SHALLOW ZONE CONTOUR MAP
(09/23/04)

Date: 2/3/05

Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 65.86 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)
- 80 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

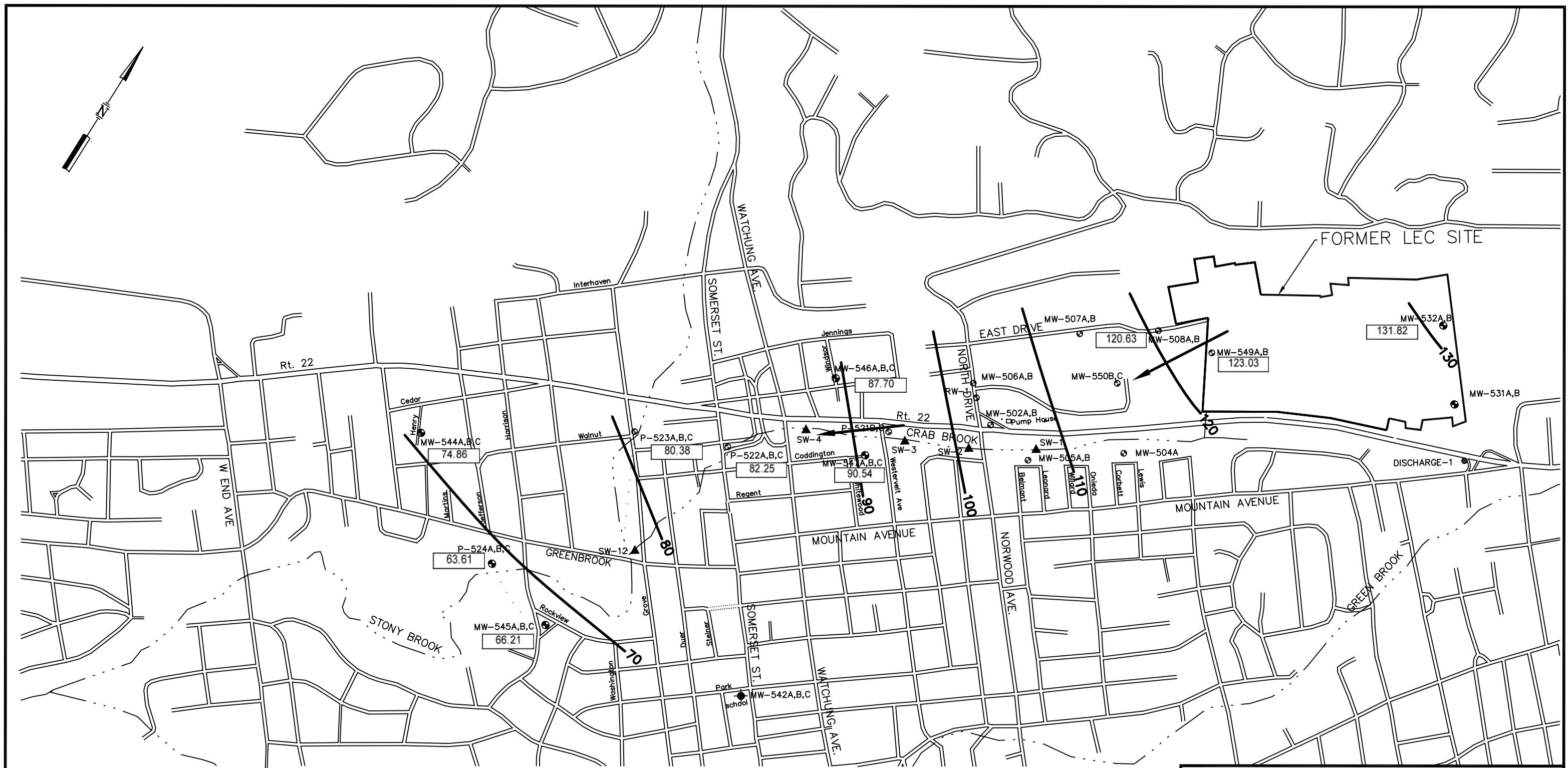


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FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 10
INTERMEDIATE ZONE ELEVATION MAP
(09/23/04)

Date: 2/3/05Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION

- 80 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

66.21 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation

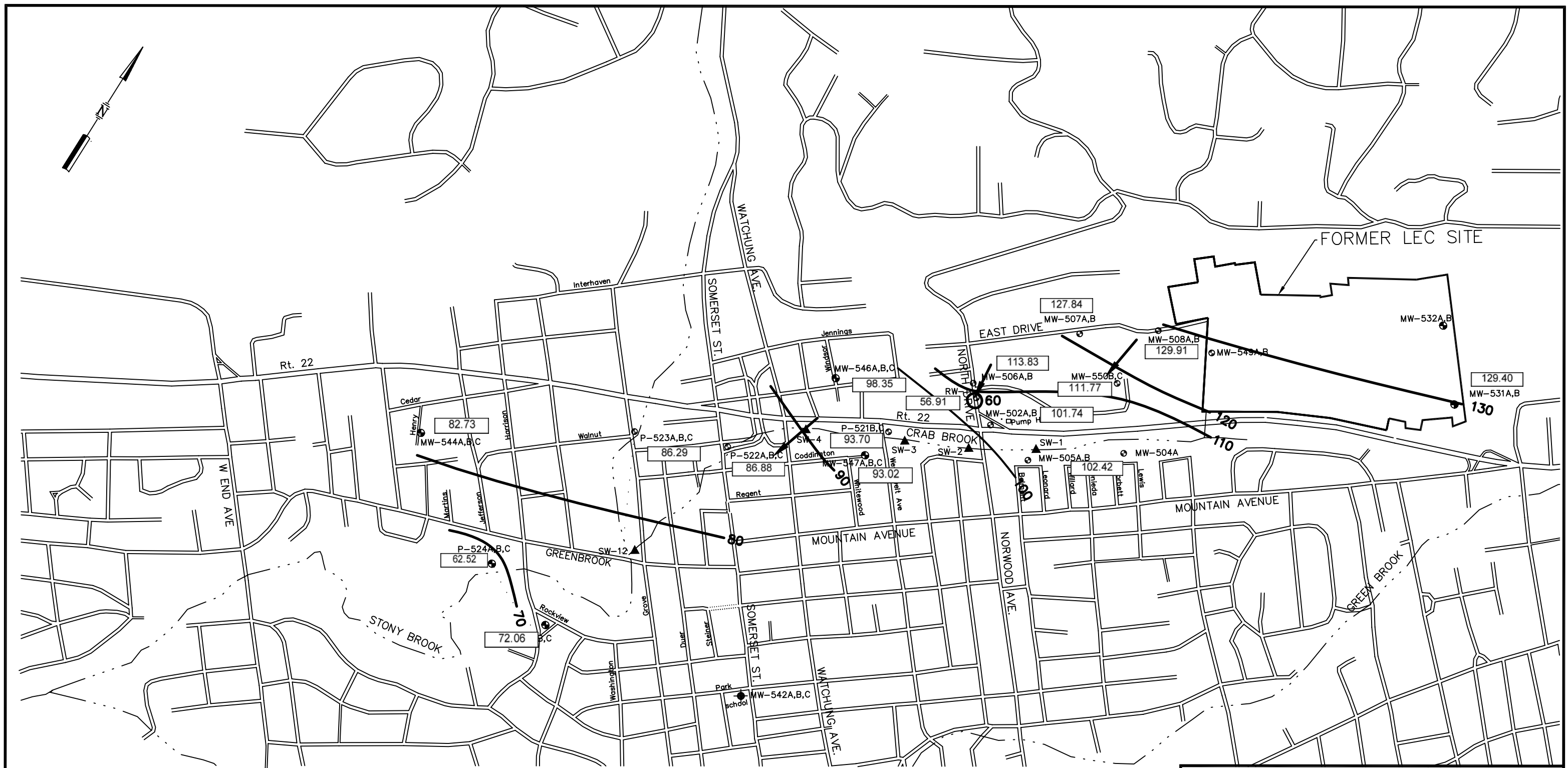
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 11
DEEP ZONE ELEVATION MAP
(09/23/04)

Date: 2/3/05

Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION

- 86 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

72.06 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation

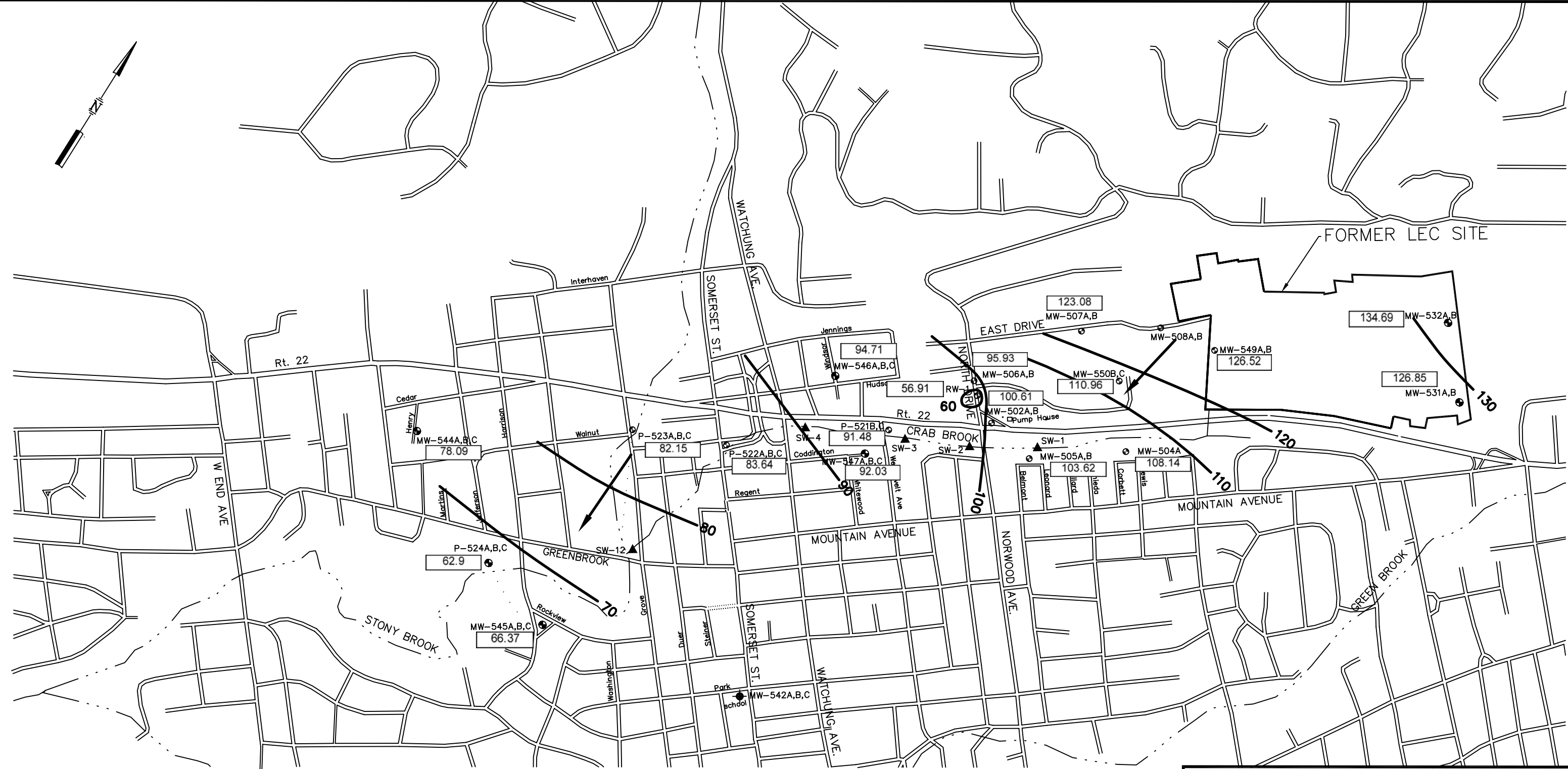
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 12
SHALLOW ZONE CONTOUR MAP
(03/02/05)

Date: 2/3/05

Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION

- 80 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- ⊗ WELL ABANDONED OR DESTROYED

66.37 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation

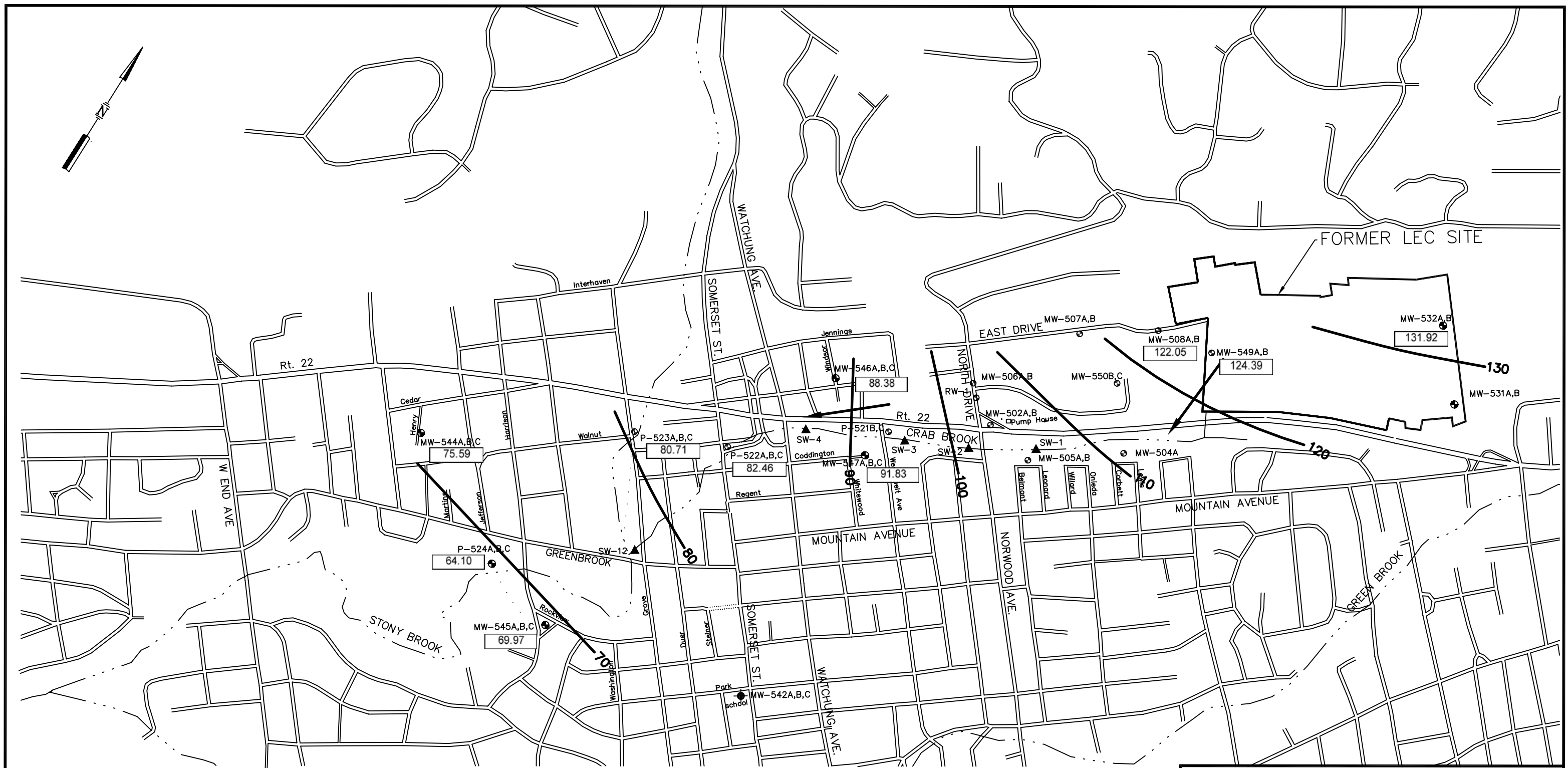
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 13
INTERMEDIATE ZONE CONTOUR MAP
(03/02/05)

Date: 2/3/05

Project No. E9201-9303-00000



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION

- 86 — GROUND WATER CONTOUR IN FT MSL
- ← GROUND WATER FLOW DIRECTION
- WELL ABANDONED OR DESTROYED

69.97 GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT MSL)

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation

Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 14
DEEP ZONE CONTOUR MAP
(03/02/05)

Date: 2/3/05

Project No. E9201-9303-00000



VOLATILE ORGANIC COMPOUND (VOC) EXCEEDANCE PARAMETER LIST				GWQS
1,1-DCA	=	1,1-DICHLOROETHANE		50
1,2-DCA	=	1,2-DICHLOROETHANE		2
t-1,2-DCE	=	TRANS-1,2-DICHLOROETHENE		100
c-1,2-DCE	=	CIS-1,2-DICHLOROETHENE		70
CF	=	CHLOROFORM		6
TCE	=	TRICHLOROETHENE		1
PCE	=	TETRACHLOROETHENE		1
TNTVOC	=	TOTAL NON-TARGETED VOLATILE ORGANIC COMPOUNDS		500
TTVOC	=	TOTAL TARGETED VOLATILE ORGANIC COMPOUNDS		
U	=	The Compound was not detected at the indicated concentration		

LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- ⦿ WELL DESTROYED

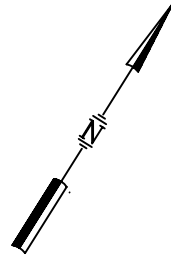


TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 15
QUARTERLY GROUND WATER
SAMPLING RESULTS
SEPTEMBER 2003 - JUNE 2005

Date: 7/19/05Project No. E9201-9303-00000



SW-4		7/22/2003	8/19/2003	9/22/2003	10/17/2003	11/14/2003	12/10/2003	1/9/2004	2/11/2004	3/8/2004	4/7/2004	5/10/2004	6/3/2004	7/1/2004	8/10/2004	9/23/2004	10/13/2004	11/9/2004	12/8/2004	1/13/2005	2/3/2005	3/2/2005	4/7/2005	5/9/2005	6/2/2005
TCE		1.7	ND	ND	ND	ND	ND	0.6	0.6	ND	ND	0.7	ND	ND	ND	ND	0.4	ND	ND	ND	ND	1.1	ND	ND	ND
BZ		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCE		ND	ND	ND	0.3	ND	1.0	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND
TTVOC		ND	ND	0.3	ND	1.6	ND	0.6	1.8	0.7	ND	0.7	ND	ND	ND	0.4	ND	4.5	0.5	ND	1.1	2.5	ND	ND	ND
TNTVOC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

SW-3		7/22/2003	8/19/2003	9/22/2003	10/17/2003	11/14/2003	12/10/2003	1/9/2004	2/11/2004	3/8/2004	4/7/2004	5/10/2004	6/3/2004	7/1/2004	8/10/2004	9/23/2004	10/13/2004	11/9/2004	12/8/2004	1/13/2005	2/3/2005	3/2/2005	4/7/2005	5/9/2005	6/2/2005
TCE		2.6	1.2	ND	ND	ND	ND	1.1	0.8	ND	0.8	1.2	ND	ND	ND	ND	0.7	ND	ND	ND	ND	0.4	1.6	ND	ND
PCE		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TTVOC		2.6	1.2	ND	ND	ND	ND	1.1	2	0.4	0.3	1.2	ND	ND	ND	ND	0.7	ND	1.1	ND	0.8	1.6	ND	ND	1.7
TNTVOC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

SW-2		7/22/2003	8/19/2003	9/22/2003	10/17/2003	11/14/2003	12/10/2003	1/9/2004	2/11/2004	3/8/2004	4/7/2004	5/10/2004	6/3/2004	7/1/2004	8/10/2004	9/23/2004	10/13/2004	11/9/2004	12/8/2004	1/13/2005	2/3/2005	3/2/2005	4/7/2005	5/9/2005	6/2/2005
DCP		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE		3.6	2.2	ND	ND	ND	ND	ND	2.1	1.4	ND	0.4	2.2	ND	ND	ND	0.6	ND	1.7	ND	0.5	0.5	0.8	2.6	0.8
TTVOC		3.6	2.2	ND	ND	ND	ND	ND	2.1	1.4	ND	0.4	2.2	ND	ND	ND	0.6	ND	1.7	ND	2.8	9	1.2	2.6	1.5
TNTVOC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

SW-1		7/22/2003	8/19/2003	9/22/2003	10/17/2003	11/14/2003	12/10/2003	1/9/2004	2/11/2004	3/8/2004	4/7/2004	5/10/2004	6/3/2004	7/1/2004	8/10/2004	9/23/2004	10/13/2004	11/9/2004	12/8/2004	1/13/2005	2/3/2005	3/2/2005	4/7/2005	5/9/2005	6/2/2005
TTVOC		0.7	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TNTVOC		ND	ND	ND	9.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

SW-12		7/22/2003	8/19/2003	9/22/2003	10/17/2003	11/14/2003	12/10/2003	1/9/2004	2/11/2004	3/8/2004	4/7/2004	5/10/2004	6/3/2004	7/1/2004	8/10/2004	9/23/2004	10/13/2004	11/9/2004	12/8/2004	1/13/2005	2/3/2005	3/2/2005	4/7/2005	5/9/2005	6/2/2005
DCP		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND
TCE		1.7	2.2	3.0	3.4	3.2	1.1	2.1	1.4	ND	2.3	2.4	1.3	2.5	2.4	2.1	2.2	2.4	1.1	1.0	2.3	1.0	1.2	ND	2.9
PCE		ND	ND	0.6	0.7	0.6	ND	ND	ND	ND	0.5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TTVOC		2.5	2.2	4.5	5.3	4.8	1.1	2.7	1.8	ND	3.5	3.5	1.7	3.3	3.1	2.8	2.8	3.1	1.5	1	2.9	1	1.2	3.2	3.8
TNTVOC		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

VOLATILE ORGANIC COMPOUND (VOC) EXCEEDANCE PARAMETER LIST		FW-2 QC
DCP	= cis-1,3-DICHLOROPROPENE	0.193
BZ	= BENZENE	0.15
PCE	= TETRACHLOROETHENE	0.388
TCE	= TRICHLOROETHENE	1.09
TNTVOC	= TOTAL NON-TARGETED VOLATILE ORGANIC COMPOUNDS	500
TTVOC	= TOTAL TARGETED VOLATILE ORGANIC COMPOUNDS	

- LEGEND
- ACTIVE MONITORING WELL OR PIEZOMETER
 - ▲ SW-1 SURFACE WATER MONITORING LOCATION



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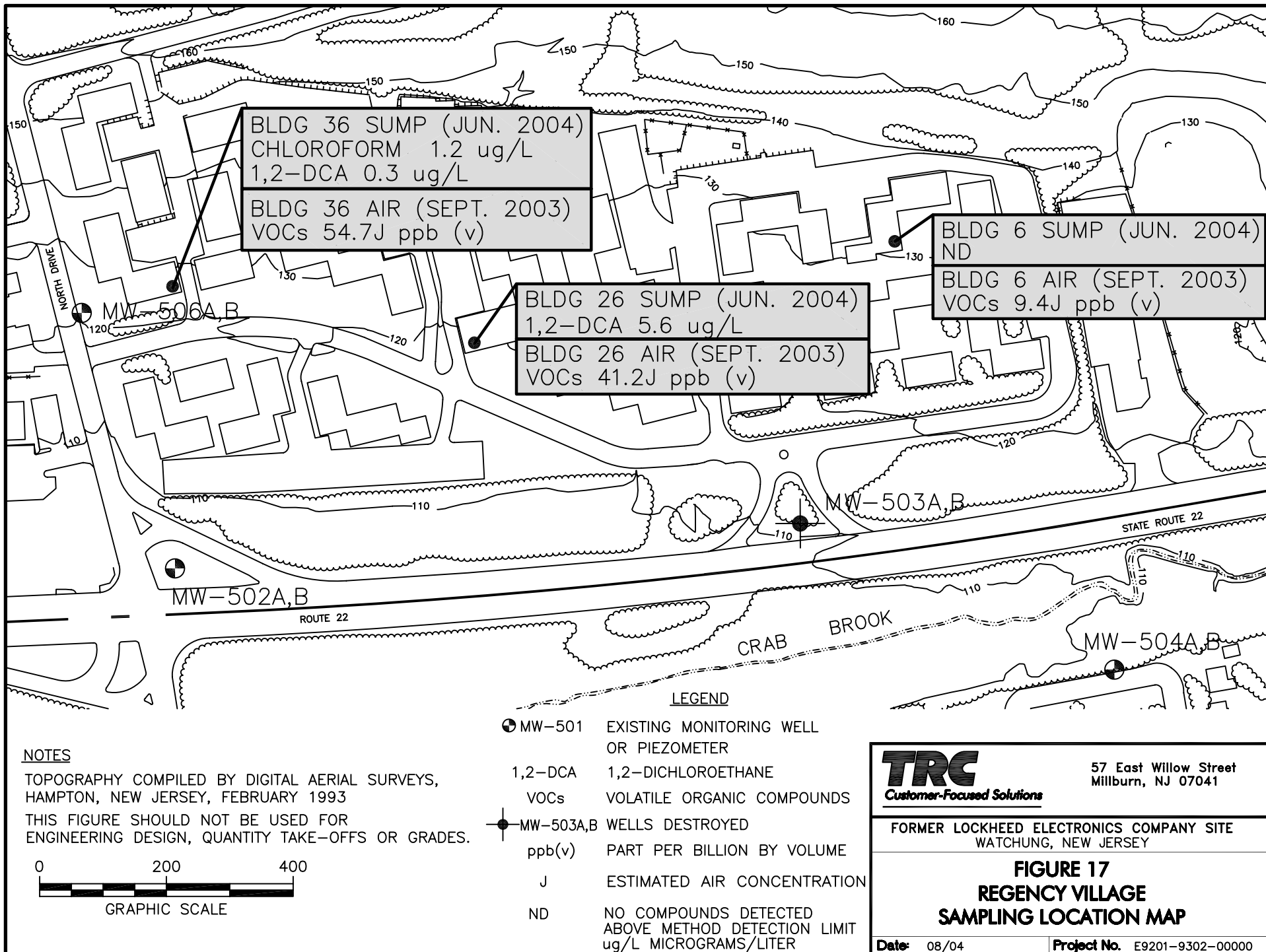
FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 16
MONTHLY SURFACE WATER
SAMPLING RESULTS
JULY 2003 - JUNE 2005

Date: 7/19/05

Project No. E9201-9303-00000

2542-2 7/21/05



TABLES

TABLE 1
REVISED WATER MONITORING & SAMPLING SCHEDULE
FORMER LEC SITE
WATCHUNG, NEW JERSEY

APPROVED SAMPLING LOCATIONS AS PER RAW APPROVAL	
5/17/00	
Surface Water:	SW-1, SW-2, SW-3, SW-4, SW-12
Background Wells:	501A,B; 503A,B; 509B ; 508A; 532A
Plume Wells:	502A,B; 506A,B; 507A; 508B; 546A
Compliance Wells:	542A,B,C ; 544A,B,C; 545A,B,C

REVISED SAMPLING LOCATIONS		SAMPLING MONTH	ANALYTICAL PARAMETERS
Surface Water:	SW-1, SW-2, SW-3, SW-4, SW-12	Monthly	VOC+10
Background Wells:	505A,B; 507B ; 508A; 532A	March	VOC+10
Plume Wells:	502A,B; 506A,B; 507A; 508B; 546A; <u>549A,B,C; 550B,C</u>		
Compliance Wells:	<u>P522A,B,C</u> ; 544A,B,C; 545A,B,C		
Plume Wells:	502A,B; 506A,B; 507A; 508B; 546A; <u>549A,B,C; 550B,C</u>	June, December	VOC+10
Plume Wells:	502A,B; 506A,B; 507A; 508B; 546A; <u>549A,B,C; 550B,C</u>	September	VOC+10
Compliance Wells:	<u>P522A,B,C</u> ; 544A,B,C; 545A,B,C		

Blue strikethrough indicates that well has been destroyed and cannot be located.

Red underline indicates that well has been added to the sampling schedule

TABLE 2
GROUND WATER ELEVATION DATA
FORMER LEC SITE
WATCHUNG, NEW JERSEY

			September 22, 2003		December 10, 2003		March 8, 2004		June 3, 2004		September 23, 2004		December 8, 2004		March 2, 2005		June 2, 2005	
Monitoring Well	Well Depths ft. (bgs)	TOC Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)
MW-501A	75.5	120.90	MISSING	NA	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	NA	MISSING	MISSING	MISSING	NA
MW-501B	19	121.07	MISSING	NA	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	NA	MISSING	MISSING	MISSING	NA
MW-502A	75.5	103.89	4.66	99.23	3.01	100.88	3.68	100.21	4.20	99.69	4.80	99.09	3.56	100.33	3.28	100.61	4.81	99.08
MW-502B	19	103.85	3.82	100.03	2.97	100.88	3.32	100.53	3.50	100.35	3.93	99.92	2.61	101.24	2.11	101.74	3.36	100.49
MW-503A	73	110.26	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-503B	24.4	110.58	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-504A	76.5	112.10	6.35	105.75	5.12	106.98	4.61	107.49	5.33	106.77	4.62	107.48	4.56	107.54	3.96	108.14	MISSING	NA
MW-504B	19.8	112.09	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-505A	75	103.85/108.27	2.64	101.21	1.31	102.54	2.18	101.67	1.48	102.37	7.00	101.27	4.99	103.28	4.65	103.62	7.23	101.04
MW-505B	20	103.73/107.73	3.30	100.43	3.13	100.60	1.00	102.73	2.49	101.24	7.46	100.27	5.65	102.08	5.31	102.42	7.25	100.48
MW-506A	96.3	122.22	28.02	94.20	28.17	94.05	28.46	93.76	28.24	93.98	28.8	93.42	27.90	94.32	26.29	95.93	NM	NA
MW-506B	25	121.28	8.72	112.56	9.02	112.26	9.02	112.26	8.38	112.90	9.38	111.90	8.84	112.44	7.45	113.83	9.56	111.72
MW-507A	151	176.39	54.38	122.01	54.34	122.05	54.5	121.89	53.92	122.47	54.80	121.59	54.26	122.13	53.31	123.08	54.55	121.84
MW-507B	60	176.39	49.63	126.76	50.17	126.22	50.13	126.26	49.05	127.34	49.82	126.57	47.26	129.13	48.55	127.84	49.23	127.16
MW-508A	263	186.85	65.90	120.95	65.59	121.26	65.99	120.86	65.43	121.42	66.22	120.63	65.55	121.30	64.8	122.05	66.07	120.78
MW-508B	68	187.13	57.73	129.40	58.24	128.89	58.20	128.93	57.48	129.65	58.25	128.88	59.26	127.87	57.22	129.91	57.77	129.36
MW-509A	423	231.30	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-509B	84	230.77	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-510A	201	182.22	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-510B	70	182.17	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
PZ-521B	100.26	99.84	9.45	90.39	7.24	92.60	9.07	90.77	9.27	90.57	9.75	90.09	8.16	91.68	8.36	91.48	10.16	89.68
PZ-521C	15.5	100.07	7.57	92.50	8.94	91.13	7.19	92.88	7.13	92.94	7.82	92.25	6.52	93.55	6.37	93.70	8.62	91.45
PZ-522A	197	93.85	11.25	82.60	10.85	83.00	11.25	82.60	11.21	82.64	11.60	82.25	11.06	82.79	11.39	82.46	11.64	82.21
PZ-522B	100	93.78	10.38	83.40	10.33	83.45	10.32	83.46	10.30	83.48	10.59	83.19	10.29	83.49	10.14	83.64	10.65	83.13
PZ-522C	17.5	93.78	7.25	86.53	7.24	86.54	7.05	86.73	7.11	86.67	7.45	86.33	6.88	86.90	6.9	86.88	7.46	86.32
PZ-523A	199	94.13	13.48	80.65	13.50	80.63	13.36	80.77	13.41	80.72	13.75	80.38	13.33	80.80	13.42	80.71	NM	NA
PZ-523B	103	94.05	11.28	82.77	11.97	82.08	7.81	86.24	11.82	82.23	12.19	81.86	11.82	82.23	11.9	82.15	12.21	81.84
PZ-523C	14	93.91	7.60	86.31	7.76	86.15	7.44	86.47	7.66	86.25	8.00	85.91	7.54	86.37	7.62	86.29	NM	NA
PZ-524A	199	68.12/68.33	4.65	63.47	4.54	63.58	4.13	63.99	4.17	63.95	4.72	63.61	4.13	64.20	4.23	64.10	4.55	63.78
PZ-524B	99	67.86/68.39	4.75	63.11	5.52	62.34	5.46	62.40	5.40	62.46	5.71	62.68	5.32	63.07	5.49	62.90	5.8	62.59
PZ-524C	15	67.78/67.29	4.80	62.98	4.88	62.90	4.29	63.49	4.71	63.07	6.18	61.11	4.3	62.99	4.77	62.52	5.12	62.17
MW-531A	142.2	138.43	12.64	125.79	12.18	126.25	11.87	126.56	11.92	126.51	12.58	125.85	11.78	126.65	11.58	126.85	12.61	125.82
MW-531B	47.9	138.46	9.60	128.86	9.38	129.08	9.07	129.39	9.08	129.38	9.56	128.90	9.08	129.38	9.06	129.40	9.6	128.86
MW-532A	250	186.55	54.68	131.87	55.00	131.55	54.27	132.28	54.11	132.44	54.73	131.82	54.88	131.67	54.63	131.92	54.14	132.41
MW-532B	102.7	185.35	50.53	134.82	51.14	134.21	50.81	134.54	50.43	134.92	50.84	134.51	51.29	134.06	50.66	134.69	50.21	135.14

TABLE 2
GROUND WATER ELEVATION DATA
FORMER LEC SITE
WATCHUNG, NEW JERSEY

			September 22, 2003		December 10, 2003		March 8, 2004		June 3, 2004		September 23, 2004		December 8, 2004		March 2, 2005		June 2, 2005	
Monitoring Well	Well Depths ft. (bgs)	TOC Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)	Depth to Water	GW Elevation ft. (MSL)
MW-542A	200	99.65	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-542B	100	99.71	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-542C	33	99.57	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-544A	197	85.81	10.37	75.44	10.52	75.29	10.36	75.45	10.39	75.42	10.95	74.86	10.18	75.63	10.22	75.59	10.76	75.05
MW-544B	100	86.00	8.45	77.55	8.22	77.78	7.49	78.51	7.99	78.01	7.60	78.40	7.95	78.05	7.91	78.09	4.01	81.99
MW-544C	23	86.04	3.70	82.34	3.45	82.59	3.06	82.98	3.19	82.85	3.93	82.11	3.18	82.86	3.31	82.73	8.51	77.53
MW-545A	197	85.69	19.28	66.41	19.17	66.52	18.84	66.85	18.98	66.71	19.48	66.21	18.85	66.84	15.72	69.97	19.06	66.63
MW-545B	92	85.80	19.80	66	19.76	66.04	19.41	66.39	19.44	66.36	19.94	65.86	19.49	66.31	19.43	66.37	19.67	66.13
MW-545C	35	85.75	14.10	71.65	14.08	71.67	13.77	71.98	13.60	72.15	14.07	71.68	14.07	71.68	13.69	72.06	13.68	72.07
MW-546A	200	106.55	18.80	87.75	17.90	88.65	18.51	88.04	18.47	88.08	18.85	87.70	18.27	88.28	18.17	88.38	18.95	87.60
MW-546B	100	107.06	13.58	93.48	12.31	94.75	13.06	94.00	13.12	93.94	13.97	93.09	13.02	94.04	12.35	94.71	14.17	92.89
MW-546C	31	108.16	11.57	96.59	9.72	98.44	10.25	97.91	10.42	97.74	12.15	96.01	10.16	98.00	9.81	98.35	12.61	95.55
MW-547A	200	98.33/98.17	7.35	90.98	6.93	91.40	7.1	91.23	6.97	91.36	7.63	90.54	6.32	91.85	6.34	91.83	7.92	90.25
MW-547B	100	98.46/98.25	7.17	91.29	6.87	91.59	7.00	91.46	6.95	91.51	7.59	90.66	6.00	92.25	6.22	92.03	8.01	90.24
MW-547C	22	98.32	6.10	92.22	6.17	92.15	6.05	92.27	6.15	92.17	6.88	91.44	5.25	93.07	5.30	93.02	7.33	90.99
MW-549A	215	179.31	55.60	123.71	56.02	123.29	55.98	123.33	55.52	123.79	56.28	123.03	55.21	124.10	54.92	124.39	56.22	123.09
MW-549B	115	179.77	53.85	125.92	54.5	125.27	54.45	125.32	53.8	125.97	54.62	125.15	54.76	125.01	53.25	126.52	NM	NA
MW-549C	73.5	179.41	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	NA	MISSING	MISSING	MISSING	MISSING	MISSING	NA
MW-550B	101	132.56	23.10	109.46	22.88	109.68	22.58	109.98	22.6	109.96	23.30	109.26	22.35	110.21	21.60	110.96	23.28	109.28
MW-550C	50	132.13	21.87	110.26	21.71	110.42	21.41	110.72	21.37	110.76	22.07	110.06	21.13	111.00	20.36	111.77	22.12	110.01
RW-1	150	110.91	42.1	68.81	51.4	59.51	54.8	56.11	51.8	59.11	56.65	54.26	54.20	56.71	54.00	56.91	62.3	48.61

LEGEND
PZ - Piezometer ft. - Feet
bgs - Below Ground Surface MSL - Mean Sea Level
TOC - Top of Casing MW - Monitoring Well
RW- Extraction Well NA - No GW Elevation
MISSING- Well has been destroyed and unable to be located
NM- Not Measured

Note: Wells MW-505A and B, PZ-524A, B, and C, and MW-547A and B were resurveyed on September 7, 2004 after they were repaired. Top of casing elevations have changed for these wells and were used in elevation calculations from September 2004 to June 2005

TABLE 3
HYDROSTRATIGRAPHIC WELL CLASSIFICATION
Former LEC Site
Watchung, New Jersey

Shallow Wells	Intermediate Wells	Deep Wells
501 B	501 A	508 A
502 B	502 A	P 522 A
503 B	503 A	P 523 A
504 B	504 A	P 524 A
505 B	505 A	532 A
506 B	506 A	542 A
507 B	507 A	544 A
508 B	510 A	545 A
509 B	P 521 B	546 A
510 B	P 522 B	547 A
P 521 C	P 523 B	548 A*
P 522 C	P 524 B	549 A
P 523 C	531 A	
P 524 C	532 B	
531 B	542 B	
542 C	544 B	
544 C	545 B	
545 C	546 B	
546 C	547 B	
547 C	548 B*	
548 C*	549 B	
549 C	549 B	
550 C	550 B	

NOTES:

strike-through indicates well is missing or abandoned.

*Monitoring well cluster 548 was abandoned in September 1999

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		TB	FB	MW-506A-2	MW-506B-2	MW-544B-2	MW-544C-2	MW-544A-1	MW-544A-2
Lab Sample Number	New Jersey	463966	463967	463968	463969	463970	463971	463972	463973
Sampling Date	Ground Water	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	10.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	10	0.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	5	0.5 U	0.5 U	5.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	100	0.5 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	3	0.8 U	0.8 U	8.1 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane		0.4 U	0.4 U	4.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.4 U	0.4 U	4.3 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	50	0.2 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	70	0.2 U	0.2 U	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	6	0.2 U	0.2 U	1.9 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	2	0.3 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	1.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	2	0.2 U	0.2 U	1.9 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	1	0.4 U	0.4 U	3.6 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	1	0.2 U	0.2 U	2.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	0.2 U	0.2 U	960	14	0.6	1.3	0.5	0.2 U
Dibromochloromethane	10	0.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	2.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.3 U	0.3 U	3.1 U	0.3 U	0.3 U	4.0	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1	0.3 U	0.3 U	2.8 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	1000	0.2 U	0.2 U	1.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	50	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	700	0.4 U	0.4 U	3.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	1000	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	971	14	0.6	5.3	0.5	ND
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-544A-3	MW-544A-4	MW-544A	MW-545A-2	MW-545B-2	MW-545C-1	PZ-522A-1	PZ-522B-2
Lab Sample Number	New Jersey	463974	463975	463976	463977	463978	463979	463980	463981
Sampling Date	Ground Water	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 U
Chloroethane	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U
Methylene Chloride	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1.6 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
1,1-Dichloroethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.7	2.1
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
cis-1,2-Dichloroethene	70	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	32
Chloroform	6	0.2 U	0.2 U	0.2 U	0.6	0.5	1.3	3.4	6.7
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Carbon Tetrachloride	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Trichloroethene	1	0.8	0.6	0.2 U	0.2 U	0.2 U	0.2 U	3.8	220
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Tetrachloroethene	1	0.3 U	0.3 U	0.3 U	4.6	0.3 U	0.3 U	0.3 U	1.8
1,1,1,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Toluene	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Chlorobenzene	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Total Confident Conc. VOAs (s)		0.8	0.6	ND	5.2	0.5	1.3	7.9	262.6
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		PZ-522C-1	PZ-522C-2	PZ-522C	MW-507A-2	MW-508B-1	MW-550B-2	MW-550C-2	MW-549A-2
Lab Sample Number	New Jersey	463982	463983	463984	463985	463986	463987	463988	463989
Sampling Date	Ground Water	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/23/03	09/24/03
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	5.0	1.0	10.0	2.0	10.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	0.5 U	2.3 U	0.5 U	4.6 U	0.9 U	4.6 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	2.2 U	0.4 U	4.4 U	0.9 U	4.4 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	2.6 U	0.5 U	5.3 U	1.1 U	5.3 U
Chloroethane	100	0.5 U	0.5 U	0.5 U	2.3 U	0.5 U	4.6 U	0.9 U	4.6 U
Methylene Chloride	3	0.8 U	0.8 U	0.8 U	4.0 U	0.8 U	8.1 U	1.6 U	8.1 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	2.0 U	0.4 U	4.0 U	0.8 U	4.0 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	2.2 U	0.4 U	4.3 U	0.9 U	4.3 U
1,1-Dichloroethane	50	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U	2.4 U	0.5 U	2.4 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.8	1.2 U	0.2 U	2.5 U	0.5 U	2.5 U
cis-1,2-Dichloroethene	70	1.6	1.8	6.4	1.2 U	0.2 U	2.4 U	2.2	2.4 U
Chloroform	6	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U	1.9 U	0.4 U	1.9 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	1.3 U	0.3 U	2.6 U	0.5 U	2.6 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.8 U	0.2 U	1.6 U	0.3 U	1.6 U
Carbon Tetrachloride	2	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U	1.9 U	0.4 U	1.9 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	3.6 U	0.7 U	3.6 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U	2.3 U	0.5 U	2.3 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	1.2 U	0.2 U	2.4 U	0.5 U	2.4 U
Trichloroethene	1	0.6	0.7	16	860	69	800	140	1100
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U	2.5 U	0.5 U	2.5 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	1.7 U	0.3 U	3.4 U	0.7 U	3.4 U
Benzene	1	0.3 U	0.3 U	0.3 U	1.3 U	0.3 U	2.6 U	0.5 U	2.6 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	1.0 U	0.2 U	2.1 U	0.4 U	2.1 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	2.2 U	0.4 U	4.4 U	0.9 U	4.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	1.7 U	0.3 U	3.4 U	0.7 U	3.4 U
Tetrachloroethene	1	0.3 U	0.3 U	1.6	1.6 U	0.6	3.1 U	0.6 U	3.1 U
1,1,2,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	2.8 U	0.6 U	2.8 U
Toluene	1000	0.2 U	0.2 U	0.2 U	0.8 U	0.2 U	1.5 U	0.3 U	1.5 U
Chlorobenzene	50	0.2 U	0.2 U	0.2 U	0.9 U	0.2 U	1.8 U	0.4 U	1.8 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	3.7 U	0.7 U	3.7 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.9 U	0.2 U	1.8 U	0.4 U	1.8 U
Total Confident Conc. VOAs (s)		2.2	2.5	24.8	860	69.6	800	142.2	1100
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW-549B-2	MW-502A-2	MW-502B-1	MW-546A-2	TB121003	FB121003	MW549A	MW549B
Lab Sample Number	Ground Water	463990	463991	463992	463993	487292	487293	487294	487295
Sampling Date		09/24/03	09/24/03	09/24/03	09/24/03	12/10/03	12/10/03	12/10/03	12/10/03
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	25.0	1.0	10.0	1.0	1.0	1.0	10.0	20.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	12 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	4.6 U	9.2 U
Bromomethane	10	11 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	4.4 U	8.8 U
Vinyl Chloride	5	13 U	0.5 U	5.3 U	0.5 U	0.5 U	0.5 U	5.3 U	11 U
Chloroethane	100	12 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	4.6 U	9.2 U
Methylene Chloride	3	20 U	0.8 U	8.1 U	0.8 U	0.8 U	0.8 U	8.1 U	16 U
Trichlorofluoromethane		10 U	0.4 U	4.0 U	0.4 U	0.4 U	0.4 U	4.0 U	8.0 U
1,1-Dichloroethene	2	11 U	0.4 U	4.3 U	0.4 U	0.4 U	0.4 U	4.3 U	8.6 U
1,1-Dichloroethane	50	6.0 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	2.4 U	4.8 U
trans-1,2-Dichloroethene	100	6.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	5.0 U
cis-1,2-Dichloroethene	70	19	0.2 U	14	0.2 U	0.2 U	0.2 U	2.4 U	16
Chloroform	6	4.8 U	0.7	1.9 U	2.9	0.2 U	0.2 U	1.9 U	3.8 U
1,2-Dichloroethane	2	6.5 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	2.6 U	5.2 U
1,1,1-Trichloroethane	30	4.0 U	0.2 U	1.6 U	0.2 U	0.2 U	0.2 U	1.6 U	3.2 U
Carbon Tetrachloride	2	4.8 U	0.2 U	1.9 U	0.2 U	0.2 U	0.2 U	1.9 U	3.8 U
Bromodichloromethane	1	9.0 U	0.4 U	3.6 U	0.4 U	0.4 U	0.4 U	3.6 U	7.2 U
1,2-Dichloropropane	1	5.8 U	0.2 U	2.3 U	0.2 U	0.2 U	0.2 U	2.3 U	4.6 U
cis-1,3-Dichloropropene		6.0 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	2.4 U	4.8 U
Trichloroethene	1	2300	1.4	1100	91	0.2 U	0.2 U	900	1800
Dibromochloromethane	10	6.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	5.0 U
1,1,2-Trichloroethane	3	8.5 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	3.4 U	6.8 U
Benzene	1	6.5 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	2.6 U	5.2 U
trans-1,3-Dichloropropene		5.2 U	0.2 U	2.1 U	0.2 U	0.2 U	0.2 U	2.1 U	4.2 U
2-Chloroethyl Vinyl Ether	100	11 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	4.4 U	8.8 U
Bromoform	4	8.5 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	3.4 U	6.8 U
Tetrachloroethene	1	7.8 U	0.3 U	3.1 U	0.3 U	0.3 U	0.3 U	3.1 U	8.5
1,1,2,2-Tetrachloroethane	1	7.0 U	0.3 U	2.8 U	0.3 U	0.3 U	0.3 U	2.8 U	5.6 U
Toluene	1000	3.8 U	0.2 U	1.5 U	0.2 U	0.2 U	0.2 U	1.5 U	3.0 U
Chlorobenzene	50	4.5 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	1.8 U	3.6 U
Ethylbenzene	700	9.2 U	0.4 U	3.7 U	0.4 U	0.4 U	0.4 U	3.7 U	7.4 U
Xylene (Total)	1000	4.5 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	1.8 U	3.6 U
Total Confident Conc. VOAs (s)		2319	2.1	1114	93.9	ND	ND	900	1824.5
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW550B	MW550C	MW506A	MW506B	FB121103	MW502A	MW502B	MW507A
Lab Sample Number	Ground Water	487296	487297	487298	487299	487300	487301	487302	487303
Sampling Date	Quality	12/10/03	12/10/03	12/10/03	12/10/03	12/11/03	12/11/03	12/11/03	12/11/03
Matrix	Criteria	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	ug/L	10.0	1.0	10.0	1.0	1.0	1.0	10.0	10.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	4.6 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	4.6 U	4.6 U
Bromomethane	10	4.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	4.4 U	4.4 U
Vinyl Chloride	5	5.3 U	0.5 U	5.3 U	0.5 U	0.5 U	0.5 U	5.3 U	5.3 U
Chloroethane	100	4.6 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U	4.6 U	4.6 U
Methylene Chloride	3	8.1 U	0.8 U	8.1 U	0.8 U	0.8 U	0.8 U	8.1 U	8.1 U
Trichlorofluoromethane		4.0 U	0.4 U	4.0 U	0.4 U	0.4 U	0.4 U	4.0 U	4.0 U
1,1-Dichloroethene	2	4.3 U	0.4 U	4.3 U	0.4 U	0.4 U	0.4 U	4.3 U	4.3 U
1,1-Dichloroethane	50	2.4 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	2.4 U	2.4 U
trans-1,2-Dichloroethene	100	2.5 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	70	8.0	1.8	6.1	0.2 U	0.2 U	0.2 U	18	7.8
Chloroform	6	1.9 U	0.2 U	1.9 U	0.2 U	0.2 U	0.4	1.9 U	1.9 U
1,2-Dichloroethane	2	2.6 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	2.6 U	2.6 U
1,1,1-Trichloroethane	30	1.6 U	0.2 U	1.6 U	0.2 U	0.2 U	0.2 U	1.6 U	1.6 U
Carbon Tetrachloride	2	1.9 U	0.2 U	1.9 U	0.2 U	0.2 U	0.2 U	1.9 U	1.9 U
Bromodichloromethane	1	3.6 U	0.4 U	3.6 U	0.4 U	0.4 U	0.4 U	3.6 U	3.6 U
1,2-Dichloropropane	1	2.3 U	0.2 U	2.3 U	0.2 U	0.2 U	0.2 U	2.3 U	2.3 U
cis-1,3-Dichloropropene		2.4 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U	2.4 U	2.4 U
Trichloroethene	1	780	150	830	15	0.2 U	1.0	670	740
Dibromochloromethane	10	2.5 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
1,1,2-Trichloroethane	3	3.4 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	3.4 U	3.4 U
Benzene	1	2.6 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U	2.6 U	2.6 U
trans-1,3-Dichloropropene		2.1 U	0.2 U	2.1 U	0.2 U	0.2 U	0.2 U	2.1 U	2.1 U
2-Chloroethyl Vinyl Ether	100	4.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U	4.4 U	4.4 U
Bromoform	4	3.4 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U	3.4 U	3.4 U
Tetrachloroethene	1	4.5	0.3 U	3.1 U	0.3 U	0.3 U	0.3 U	3.1 U	3.1 U
1,1,2,2-Tetrachloroethane	1	2.8 U	0.3 U	2.8 U	0.3 U	0.3 U	0.3 U	2.8 U	2.8 U
Toluene	1000	1.5 U	0.2 U	1.5 U	0.2 U	0.2 U	0.2 U	1.5 U	1.5 U
Chlorobenzene	50	1.8 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	1.8 U	1.8 U
Ethylbenzene	700	3.7 U	0.4 U	3.7 U	0.4 U	0.4 U	0.4 U	3.7 U	3.7 U
Xylene (Total)	1000	1.8 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	1.8 U	1.8 U
Total Confident Conc. VOAs (s)		792.5	151.8	836.1	15	ND	1.4	688	747.8
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW508B	MW546A	TB-3-9-04	FB-3-9-04	MW-550B	MW-550C	MW-544A	MW-544B
Lab Sample Number	New Jersey	487304	487305	509359	509360	509361	509362	509363	509364
Sampling Date	Ground Water	12/11/03	12/11/03	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	10.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	0.5 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	5.3 U	0.5 U	0.5 U	0.5 U
Chloroethane	100	0.5 U	0.5 U	0.5 U	0.5 U	4.6 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	3	0.8 U	0.8 U	0.8 U	0.8 U	8.1 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	4.0 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.4 U	4.3 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	50	0.2 U	0.2 U	0.2 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	70	0.2 U	0.7	0.2 U	0.2 U	2.4 U	2.0	0.2 U	0.2 U
Chloroform	6	0.5	2.5	0.2 U	0.2 U	1.9 U	0.5	0.2 U	0.2 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.2 U	1.6 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	2	0.2 U	0.2 U	0.2 U	0.2 U	1.9 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	0.4 U	3.6 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	2.3 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	2.4 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	40	88	0.2 U	0.2 U	750	170	0.2 U	0.8
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	2.6 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	2.1 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	4.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	3.4 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.3 U	0.3 U	0.3 U	0.3 U	3.1 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	0.3 U	2.8 U	0.3 U	0.3 U	0.3 U
Toluene	1000	0.2 U	0.2 U	0.2 U	0.2 U	1.5 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	50	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	0.4 U	3.7 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		40.5	91.2	ND	ND	750	172.5	ND	0.8
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW-544C	MW-545A	MW-545B	MW-545C	P522A	P522B	P522C	MW506A
Lab Sample Number	Ground Water	509365	509366	509367	509368	509369	509370	509371	509372
Sampling Date		03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	1.0	2.0	1.0	10.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	4.6 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	4.4 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 U	0.5 U	5.3 U
Chloroethane	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	4.6 U
Methylene Chloride	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1.6 U	0.8 U	8.1 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	4.0 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	4.3 U
1,1-Dichloroethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.4 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.5 U
cis-1,2-Dichloroethene	70	0.9	0.2 U	0.2 U	0.2 U	0.2 U	32	0.2 U	2.4 U
Chloroform	6	0.2 U	0.2 U	0.2 U	1.8	2.4	4.9	0.2 U	1.9 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	2.6 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	1.6 U
Carbon Tetrachloride	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	1.9 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	3.6 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.3 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.4 U
Trichloroethene	1	1.8	0.2 U	0.2 U	0.2 U	3.0	220	0.2 U	940
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.5 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	3.4 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	2.6 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	2.1 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	4.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	3.4 U
Tetrachloroethene	1	4.6	4.4	0.3 U	0.3 U	0.3 U	1.9	0.3 U	3.1 U
1,1,2,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	2.8 U
Toluene	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	1.5 U
Chlorobenzene	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	1.8 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	3.7 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	1.8 U
Total Confident Conc. VOAs (s)		7.3	4.4	ND	1.8	5.4	258.8	ND	940
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

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NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW506B	MW507A	MW508B	MW549A	MW549B	MW502A	MW502B	MW546A
Lab Sample Number	New Jersey	509373	509374	509375	509376	509377	509378	509379	509380
Sampling Date	Ground Water	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04	03/09/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	5.0	1.0	10.0	20.0	1.0	10.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	2.3 U	0.5 U	4.6 U	9.2 U	0.5 U	4.6 U	0.5 U
Bromomethane	10	0.4 U	2.2 U	0.4 U	4.4 U	8.8 U	0.4 U	4.4 U	0.4 U
Vinyl Chloride	5	0.5 U	2.6 U	0.5 U	5.3 U	11 U	0.5 U	5.3 U	0.5 U
Chloroethane	100	0.5 U	2.3 U	0.5 U	4.6 U	9.2 U	0.5 U	4.6 U	0.5 U
Methylene Chloride	3	0.8 U	4.0 U	0.8 U	8.1 U	16 U	0.8 U	8.1 U	0.8 U
Trichlorofluoromethane		0.4 U	2.0 U	0.4 U	4.0 U	8.0 U	0.4 U	4.0 U	0.4 U
1,1-Dichloroethene	2	0.4 U	2.2 U	0.4 U	4.3 U	8.6 U	0.4 U	4.3 U	0.4 U
1,1-Dichloroethane	50	0.2 U	1.2 U	0.2 U	2.4 U	4.8 U	0.2 U	2.4 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	1.2 U	0.2 U	2.5 U	5.0 U	0.2 U	2.5 U	0.2 U
cis-1,2-Dichloroethene	70	0.2 U	7.9	0.2 U	2.4 U	4.8 U	0.2 U	41	0.2 U
Chloroform	6	0.2 U	1.0 U	0.2 U	1.9 U	3.8 U	0.7	1.9 U	2.5
1,2-Dichloroethane	2	0.3 U	1.3 U	0.3 U	2.6 U	5.2 U	0.3 U	2.6 U	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.8 U	0.2 U	1.6 U	3.2 U	0.2 U	1.6 U	0.2 U
Carbon Tetrachloride	2	0.2 U	1.0 U	0.2 U	1.9 U	3.8 U	0.2 U	1.9 U	0.2 U
Bromodichloromethane	1	0.4 U	1.8 U	0.4 U	3.6 U	7.2 U	0.4 U	3.6 U	0.4 U
1,2-Dichloropropane	1	0.2 U	1.2 U	0.2 U	2.3 U	4.6 U	0.2 U	2.3 U	0.2 U
cis-1,3-Dichloropropene		0.2 U	1.2 U	0.2 U	2.4 U	4.8 U	0.2 U	2.4 U	0.2 U
Trichloroethene	1	16	690	41	1000	1200	0.8	730	90
Dibromochloromethane	10	0.2 U	1.2 U	0.2 U	2.5 U	5.0 U	0.2 U	2.5 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	1.7 U	0.3 U	3.4 U	6.8 U	0.3 U	3.4 U	0.3 U
Benzene	1	0.3 U	1.3 U	0.3 U	2.6 U	5.2 U	0.3 U	2.6 U	0.3 U
trans-1,3-Dichloropropene		0.2 U	1.0 U	0.2 U	2.1 U	4.2 U	0.2 U	2.1 U	0.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	2.2 U	0.4 U	4.4 U	8.8 U	0.4 U	4.4 U	0.4 U
Bromoform	4	0.3 U	1.7 U	0.3 U	3.4 U	6.8 U	0.3 U	3.4 U	0.3 U
Tetrachloroethene	1	0.3 U	1.6 U	0.3 U	3.1 U	13	0.3 U	3.1 U	0.3 U
1,1,2,2-Tetrachloroethane	1	0.3 U	1.4 U	0.3 U	2.8 U	5.6 U	0.3 U	2.8 U	0.3 U
Toluene	1000	0.2 U	0.8 U	0.2 U	1.5 U	3.0 U	0.2 U	1.5 U	0.2 U
Chlorobenzene	50	0.2 U	0.9 U	0.2 U	1.8 U	3.6 U	0.2 U	1.8 U	0.2 U
Ethylbenzene	700	0.4 U	1.8 U	0.4 U	3.7 U	7.4 U	0.4 U	3.7 U	0.4 U
Xylene (Total)	1000	0.2 U	0.9 U	0.2 U	1.8 U	3.6 U	0.2 U	1.8 U	0.2 U
Total Confident Conc. VOAs (s)		16	697.9	41	1000	1213	1.5	771	92.5
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		TB-3-25-04	FB-3-25-04	MW-505A	MW-505B	MW-507B	MW-508A	MW-532A	TB-6-4-04
Lab Sample Number	New Jersey	515545	515546	515547	515548	515549	515550	515551	534879
Sampling Date	Ground Water	03/25/04	03/25/04	03/25/04	03/25/04	03/25/04	03/25/04	03/25/04	06/04/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	70	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.2 U	0.2 U
Chloroform	6	0.2 U	0.2 U	0.5	1.2	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	0.2 U	0.2 U	0.2 U	0.2 U	16	35	33	0.2 U
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5	0.3 U
1,1,1,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.5	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	0.5	1.2	16	37.3	33.5	ND
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		FB-6-4-04	MW-549A	MW-549B	MW-550B	MW-550C	MW-506A	MW-506B	MW-502A
Lab Sample Number	New Jersey	534880	534881	534882	534883	534884	534885	534886	534887
Sampling Date	Ground Water	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	5.0	10.0	5.0	1.0	5.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.5 U	2.3 U	4.6 U	2.3 U	0.5 U	2.3 U	0.5 U	0.5 U
Bromomethane	10	0.4 U	2.2 U	4.4 U	2.2 U	0.4 U	2.2 U	0.4 U	0.4 U
Vinyl Chloride	5	0.5 U	2.6 U	5.3 U	2.6 U	0.5 U	2.6 U	0.5 U	0.5 U
Chloroethane	100	0.5 U	2.3 U	4.6 U	2.3 U	0.5 U	2.3 U	0.5 U	0.5 U
Methylene Chloride	3	0.8 U	4.0 U	8.1 U	4.0 U	0.8 U	4.0 U	0.8 U	0.8 U
Trichlorofluoromethane		0.4 U	2.0 U	4.0 U	2.0 U	0.4 U	2.0 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.4 U	2.2 U	4.3 U	2.2 U	0.4 U	2.2 U	0.4 U	0.4 U
1,1-Dichloroethane	50	0.2 U	1.2 U	2.4 U	1.2 U	0.2 U	1.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	1.2 U	2.5 U	1.2 U	0.2 U	1.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	70	0.2 U	3.0	8.8	5.8	1.8	7.0	0.2 U	0.2 U
Chloroform	6	0.2 U	1.0 U	1.9 U	1.0	0.4	1.0 U	0.3	0.4
1,2-Dichloroethane	2	0.3 U	1.3 U	2.6 U	1.3 U	0.3 U	1.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.8 U	1.6 U	0.8 U	0.2 U	0.8 U	0.2 U	0.2 U
Carbon Tetrachloride	2	0.2 U	1.0 U	1.9 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U
Bromodichloromethane	1	0.4 U	1.8 U	3.6 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U
1,2-Dichloropropane	1	0.2 U	1.2 U	2.3 U	1.2 U	0.2 U	1.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene		0.2 U	1.2 U	2.4 U	1.2 U	0.2 U	1.2 U	0.2 U	0.2 U
Trichloroethene	1	0.2 U	880	1400	650	140	710	13	0.6
Dibromochloromethane	10	0.2 U	1.2 U	2.5 U	1.2 U	0.2 U	1.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	1.7 U	3.4 U	1.7 U	0.3 U	1.7 U	0.3 U	0.3 U
Benzene	1	0.3 U	1.3 U	2.6 U	1.3 U	0.3 U	1.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.2 U	1.0 U	2.1 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	2.2 U	4.4 U	2.2 U	0.4 U	2.2 U	0.4 U	0.4 U
Bromoform	4	0.3 U	1.7 U	3.4 U	1.7 U	0.3 U	1.7 U	0.3 U	0.3 U
Tetrachloroethene	1	0.3 U	1.6 U	6.7	3.1	0.3 U	1.6 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1	0.3 U	1.4 U	2.8 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U
Toluene	1000	0.2 U	0.8 U	1.5 U	0.8 U	0.2 U	0.8 U	0.2 U	0.2 U
Chlorobenzene	50	0.2 U	0.9 U	1.8 U	0.9 U	0.2 U	0.9 U	0.2 U	0.2 U
Ethylbenzene	700	0.4 U	1.8 U	3.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U
Xylene (Total)	1000	0.2 U	0.9 U	1.8 U	0.9 U	0.2 U	0.9 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	883	1415.5	659.9	142.2	717	13.3	1.0
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

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NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW-502B	MW-507A	MW-508B	MW-546A	BUILDING36	BUILDING26	BUILDING6	TB-9-23-04
Lab Sample Number	Ground Water	534888	534889	534890	534891	534892	534893	534894	567395
Sampling Date		06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	06/04/04	09/23/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	2.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.9 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Bromomethane	10	0.9 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U
Vinyl Chloride	5	1.1 U	2.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Chloroethane	100	0.9 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Methylene Chloride	3	1.6 U	4.0 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U
Trichlorofluoromethane		0.8 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.9 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U
1,1-Dichloroethane	50	0.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
trans-1,2-Dichloroethene	100	0.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
cis-1,2-Dichloroethene	70	21	9.6	0.2 U	0.6	0.2 U	0.2 U	0.2 U	0.4 U
Chloroform	6	0.4 U	1.0 U	0.5	2.6	1.2	0.2 U	0.2 U	0.3 U
1,2-Dichloroethane	2	0.5 U	1.3 U	0.3 U	0.3 U	0.3	5.6	0.3 U	0.4 U
1,1,1-Trichloroethane	30	0.3 U	0.8 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Carbon Tetrachloride	2	0.4 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Bromodichloromethane	1	0.7 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U
1,2-Dichloropropane	1	0.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
cis-1,3-Dichloropropene		0.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Trichloroethene	1	390	450	32	82	0.2 U	0.2 U	0.2 U	0.4 U
Dibromochloromethane	10	0.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.7 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.5 U	1.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.4 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.9 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.7 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	1.0	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U
1,1,2,2-Tetrachloroethane	1	0.6 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U
Toluene	1000	0.3 U	0.8 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Chlorobenzene	50	0.4 U	0.9 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Ethylbenzene	700	0.7 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U
Xylene (Total)	1000	0.4 U	0.9 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		412	459.6	32.5	85.2	1.5	5.6	ND	ND
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

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NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		FB-9-23-04	MW-549B	MW-549A	MW-550B	MW-550C	MW-507A	MW-508B	MW-506A
Lab Sample Number	New Jersey	567396	567397	567398	567399	567400	567401	567402	567403
Sampling Date	Ground Water	09/23/04	09/23/04	09/23/04	09/23/04	09/23/04	09/23/04	09/23/04	09/23/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	25.0	10.0	10.0	1.0	10.0	1.0	10.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	9.5 U	3.8 U	3.8 U	0.4 U	3.8 U	0.4 U	3.8 U
Bromomethane	10	0.3 U	8.2 U	3.3 U	3.3 U	0.3 U	3.3 U	0.3 U	3.3 U
Vinyl Chloride	5	0.4 U	8.8 U	3.5 U	3.5 U	0.4 U	3.5 U	0.4 U	3.5 U
Chloroethane	100	0.4 U	9.2 U	3.7 U	3.7 U	0.4 U	3.7 U	0.4 U	3.7 U
Methylene Chloride	3	0.9 U	23 U	9.1 U	9.1 U	0.9 U	9.1 U	0.9 U	9.1 U
Trichlorofluoromethane		0.4 U	8.8 U	3.5 U	3.5 U	0.4 U	3.5 U	0.4 U	3.5 U
1,1-Dichloroethene	2	0.3 U	8.5 U	3.4 U	3.4 U	0.3 U	3.4 U	0.3 U	3.4 U
1,1-Dichloroethane	50	0.4 U	9.0 U	3.6 U	3.6 U	0.4 U	3.6 U	0.4 U	3.6 U
trans-1,2-Dichloroethene	100	0.3 U	8.2 U	3.3 U	3.3 U	0.3 U	3.3 U	0.3 U	3.3 U
cis-1,2-Dichloroethene	70	0.4 U	10	4.0	11	1.9	8.9	0.4 U	13
Chloroform	6	0.3 U	8.5 U	3.4 U	3.4 U	0.4	3.4 U	0.6	3.4 U
1,2-Dichloroethane	2	0.4 U	9.0 U	3.6 U	3.6 U	0.4 U	3.6 U	0.4 U	3.6 U
1,1,1-Trichloroethane	30	0.3 U	7.2 U	2.9 U	2.9 U	0.3 U	2.9 U	0.3 U	2.9 U
Carbon Tetrachloride	2	0.3 U	7.5 U	3.0 U	3.0 U	0.3 U	3.0 U	0.3 U	3.0 U
Bromodichloromethane	1	0.3 U	7.2 U	2.9 U	2.9 U	0.3 U	2.9 U	0.3 U	2.9 U
1,2-Dichloropropane	1	0.4 U	9.2 U	3.7 U	3.7 U	0.4 U	3.7 U	0.4 U	3.7 U
cis-1,3-Dichloropropene		0.3 U	6.8 U	2.7 U	2.7 U	0.3 U	2.7 U	0.3 U	2.7 U
Trichloroethene	1	0.4 U	1500	820	1400	140	1100	30	1300
Dibromochloromethane	10	0.2 U	5.2 U	2.1 U	2.1 U	0.2 U	2.1 U	0.2 U	2.1 U
1,1,2-Trichloroethane	3	0.3 U	7.0 U	2.8 U	2.8 U	0.3 U	2.8 U	0.3 U	2.8 U
Benzene	1	0.3 U	7.8 U	3.1 U	3.1 U	0.3 U	3.1 U	0.3 U	3.1 U
trans-1,3-Dichloropropene		0.4 U	8.8 U	3.5 U	3.5 U	0.4 U	3.5 U	0.4 U	3.5 U
2-Chloroethyl Vinyl Ether	100	0.4 U	9.0 U	3.6 U	3.6 U	0.4 U	3.6 U	0.4 U	3.6 U
Bromoform	4	0.3 U	6.8 U	2.7 U	2.7 U	0.3 U	2.7 U	0.3 U	2.7 U
Tetrachloroethene	1	0.4 U	9.0 U	3.6 U	6.1	0.4 U	3.6 U	0.4 U	3.6 U
1,1,2,2-Tetrachloroethane	1	0.5 U	12 U	4.6 U	4.6 U	0.5 U	4.6 U	0.5 U	4.6 U
Toluene	1000	0.3 U	6.8 U	2.7 U	2.7 U	0.3 U	2.7 U	0.3 U	2.7 U
Chlorobenzene	50	0.3 U	6.5 U	2.6 U	2.6 U	0.3 U	2.6 U	0.3 U	2.6 U
Ethylbenzene	700	0.3 U	8.2 U	3.3 U	3.3 U	0.3 U	3.3 U	0.3 U	3.3 U
Xylene (Total)	1000	0.2 U	4.5 U	1.8 U	1.8 U	0.2 U	1.8 U	0.2 U	1.8 U
Total Confident Conc. VOAs (s)		ND	1510	824	1417.1	142.3	1108.9	30.6	1313
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-506B	MW-502A	MW-502B	FB-9-24-04	MW-546A	PZ-522A	PZ-522B	PZ-522C
Lab Sample Number	New Jersey	567404	567405	567406	567407	567408	567409	567410	567411
Sampling Date	Ground Water	09/23/04	09/23/04	09/23/04	09/24/04	09/24/04	09/24/04	09/24/04	09/24/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	5.0	1.0	1.0	1.0	2.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.4 U	1.9 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U
Bromomethane	10	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U
Vinyl Chloride	5	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
Chloroethane	100	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
Methylene Chloride	3	0.9 U	0.9 U	4.6 U	0.9 U	0.9 U	0.9 U	1.8 U	0.9 U
Trichlorofluoromethane		0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
1,1-Dichloroethene	2	0.3 U	0.3 U	1.7 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U
1,1-Dichloroethane	50	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.5	1.8	0.4 U
trans-1,2-Dichloroethene	100	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U
cis-1,2-Dichloroethene	70	0.4 U	0.4 U	18	0.4 U	0.7	0.4 U	35	0.4
Chloroform	6	0.5	0.4	1.7 U	0.3 U	3.0	2.3	4.0	0.3 U
1,2-Dichloroethane	2	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U
Carbon Tetrachloride	2	0.3 U	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U
Bromodichloromethane	1	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U
1,2-Dichloropropane	1	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
cis-1,3-Dichloropropene		0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U
Trichloroethene	1	12	0.6	350	0.4 U	110	3.6	200	0.4 U
Dibromochloromethane	10	0.2 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U
Benzene	1	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U
trans-1,3-Dichloropropene		0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U
Bromoform	4	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U
Tetrachloroethene	1	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	1.7	0.4 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.5 U	2.3 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U
Toluene	1000	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U
Chlorobenzene	50	0.3 U	0.3 U	1.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U
Ethylbenzene	700	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U
Xylene (Total)	1000	0.2 U	0.2 U	0.9 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U
Total Confident Conc. VOAs (s)		12.5	1.0	368	ND	113.7	6.4	242.5	0.4
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-544A	MW-544B	MW-544C	MW-545A	MW-545B	MW-545C	TB-12-9-04	FB-12-9-04
Lab Sample Number	New Jersey	567412	567413	567414	567415	567416	567417	591973	591974
Sampling Date	Ground Water	09/24/04	09/24/04	09/24/04	09/24/04	09/24/04	09/24/04	12/09/04	12/09/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	10	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	3	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	100	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	70	0.4 U	0.4 U	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	6	0.3 U	0.3 U	0.3 U	0.4	0.3 U	0.5	0.3 U	0.3 U
1,2-Dichloroethane	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1	0.4 U	0.6	1.3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.4 U	0.4 U	3.1	3.6	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	1000	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	50	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	700	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	0.6	5.4	4.0	ND	0.5	ND	ND
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-502A	MW-502B	MW-506A	MW-506B	MW-507A	MW-508B	MW-546A	MW-549A
Lab Sample Number	New Jersey	591975	591976	591977	591978	591979	591980	591981	591982
Sampling Date	Ground Water	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04	12/09/04
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	2.0	5.0	1.0	5.0	1.0	1.0	10.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.8 U	1.9 U	0.4 U	1.9 U	0.4 U	0.4 U	3.8 U
Bromomethane	10	0.3 U	0.7 U	1.6 U	0.3 U	1.6 U	0.3 U	0.3 U	3.3 U
Vinyl Chloride	5	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.5 U
Chloroethane	100	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.7 U
Methylene Chloride	3	0.9 U	1.8 U	4.6 U	0.9 U	4.6 U	0.9 U	0.9 U	9.1 U
Trichlorofluoromethane		0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.5 U
1,1-Dichloroethene	2	0.3 U	0.7 U	1.7 U	0.3 U	1.7 U	0.3 U	0.3 U	3.4 U
1,1-Dichloroethane	50	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.6 U
trans-1,2-Dichloroethene	100	0.3 U	0.7 U	1.6 U	0.3 U	1.6 U	0.3 U	0.3 U	3.3 U
cis-1,2-Dichloroethene	70	0.4 U	17	10	0.4 U	6.6	0.4 U	0.9	3.5 U
Chloroform	6	0.7	0.7 U	1.7 U	0.7	1.7 U	0.5	4.0	3.4 U
1,2-Dichloroethane	2	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.6 U
1,1,1-Trichloroethane	30	0.3 U	0.6 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.9 U
Carbon Tetrachloride	2	0.3 U	0.6 U	1.5 U	0.3 U	1.5 U	0.3 U	0.3 U	3.0 U
Bromodichloromethane	1	0.3 U	0.6 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.9 U
1,2-Dichloropropane	1	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.7 U
cis-1,3-Dichloropropene		0.3 U	0.5 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.7 U
Trichloroethene	1	0.9	290	710	15	610	31	110	850
Dibromochloromethane	10	0.2 U	0.4 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	2.1 U
1,1,2-Trichloroethane	3	0.3 U	0.6 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.8 U
Benzene	1	0.3 U	0.6 U	1.6 U	0.3 U	1.6 U	0.3 U	0.3 U	3.1 U
trans-1,3-Dichloropropene		0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.5 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.7 U	1.8 U	0.4 U	1.8 U	0.4 U	0.4 U	3.6 U
Bromoform	4	0.3 U	0.5 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.7 U
Tetrachloroethene	1	0.4 U	1.2	2.0	0.4 U	1.8 U	0.4	0.4 U	3.6 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.9 U	2.3 U	0.5 U	2.3 U	0.5 U	0.5 U	4.6 U
Toluene	1000	0.3 U	0.5 U	1.4 U	0.3 U	1.4 U	0.3 U	0.3 U	2.7 U
Chlorobenzene	50	0.3 U	0.5 U	1.3 U	0.3 U	1.3 U	0.3 U	0.3 U	2.6 U
Ethylbenzene	700	0.3 U	0.7 U	1.6 U	0.3 U	1.6 U	0.3 U	0.3 U	3.3 U
Xylene (Total)	1000	0.2 U	0.4 U	0.9 U	0.2 U	0.9 U	0.2 U	0.2 U	1.8 U
Total Confident Conc. VOAs (s)		1.6	308.2	722	15.7	616.6	31.9	114.9	850
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW-549B	MW-550A	MW-550B	TB_3-3-05	FB_3-3-05	MW-506A	MW-506B	MW-505A
Lab Sample Number	Ground Water	591983	591984	591985	611981	611982	611983	611984	611985
Sampling Date		12/09/04	12/09/04	12/09/04	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	10.0	10.0	1.0	1.0	1.0	5.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	3.8 U	3.8 U	0.4 U	0.4 U	0.4 U	1.9 U	0.4 U	0.4 U
Bromomethane	10	3.3 U	3.3 U	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U
Vinyl Chloride	5	3.5 U	3.5 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Chloroethane	100	3.7 U	3.7 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Methylene Chloride	3	9.1 U	9.1 U	0.9 U	0.9 U	0.9 U	4.6 U	0.9 U	0.9 U
Trichlorofluoromethane		3.5 U	3.5 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,1-Dichloroethene	2	3.4 U	3.4 U	0.3 U	0.3 U	0.3 U	1.7 U	0.3 U	0.3 U
1,1-Dichloroethane	50	3.6 U	3.6 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	100	3.3 U	3.3 U	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	70	11	7.6	2.4	0.4 U	0.4 U	6.7	0.4 U	0.4 U
Chloroform	6	3.4 U	3.4 U	0.5	0.3 U	0.3 U	1.7 U	0.5	0.3 U
1,2-Dichloroethane	2	3.6 U	3.6 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,1,1-Trichloroethane	30	2.9 U	2.9 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
Carbon Tetrachloride	2	3.0 U	3.0 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U	0.3 U
Bromodichloromethane	1	2.9 U	2.9 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
1,2-Dichloropropane	1	3.7 U	3.7 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
cis-1,3-Dichloropropene		2.7 U	2.7 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
Trichloroethene	1	1200	720	130	0.4 U	0.4 U	650	16	0.4 U
Dibromochloromethane	10	2.1 U	2.1 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	2.8 U	2.8 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
Benzene	1	3.1 U	3.1 U	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		3.5 U	3.5 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	100	3.6 U	3.6 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
Bromoform	4	2.7 U	2.7 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
Tetrachloroethene	1	8.1	4.9	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1	4.6 U	4.6 U	0.5 U	0.5 U	0.5 U	2.3 U	0.5 U	0.5 U
Toluene	1000	2.7 U	2.7 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U
Chlorobenzene	50	2.6 U	2.6 U	0.3 U	0.3 U	0.3 U	1.3 U	0.3 U	0.3 U
Ethylbenzene	700	3.3 U	3.3 U	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U
Xylene (Total)	1000	1.8 U	1.8 U	0.2 U	0.2 U	0.2 U	0.9 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		1219.1	732.5	132.9	ND	ND	656.7	16.5	ND
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	MW-505B	MW-544A	MW-544B	MW-544C	MW-545A	MW-545B	MW-545C	PZ-522A
Lab Sample Number	Ground Water	611986	611987	611988	611989	611990	611991	611992	611993
Sampling Date		3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	10	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	3	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	100	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	70	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	6	1.8	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.8
1,2-Dichloroethane	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1	0.4 U	0.4 U	0.4 U	1.8	0.4 U	0.4 U	0.4 U	3.3
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.4 U	0.4 U	0.4 U	3.0	3.8	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	1000	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	50	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	700	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		1.8	ND	ND	4.8	3.8	ND	ND	6.1
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	PZ-522B	PZ-522C	MW-549A	MW-549B	MW-550B	MW-550C	MW-502A	MW-502B
Lab Sample Number	Ground Water	611994	611995	611996	611997	611998	611999	612000	612001
Sampling Date		3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005	3/3/2005
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	10.0	20.0	10.0	1.0	1.0	2.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.4 U	3.8 U	7.6 U	3.8 U	0.4 U	0.4 U	0.8 U
Bromomethane	10	0.3 U	0.3 U	3.3 U	6.6 U	3.3 U	0.3 U	0.3 U	0.7 U
Vinyl Chloride	5	0.4 U	0.4 U	3.5 U	7 U	3.5 U	0.4 U	0.4 U	0.7 U
Chloroethane	100	0.4 U	0.4 U	3.7 U	7.4 U	3.7 U	0.4 U	0.4 U	0.7 U
Methylene Chloride	3	0.9 U	0.9 U	9.1 U	18 U	9.1 U	0.9 U	0.9 U	1.8 U
Trichlorofluoromethane		0.4 U	0.4 U	3.5 U	7 U	3.5 U	0.4 U	0.4 U	0.7 U
1,1-Dichloroethene	2	0.3 U	0.3 U	3.4 U	6.8 U	3.4 U	0.3 U	0.3 U	0.7 U
1,1-Dichloroethane	50	2.4	5.9	3.6 U	7.2 U	3.6 U	0.4 U	0.4 U	0.7 U
trans-1,2-Dichloroethene	100	1.1	0.3 U	3.3 U	6.6 U	3.3 U	0.3 U	0.3 U	2.2
cis-1,2-Dichloroethene	70	39	25	3.5 U	7.3	6.2	1.8	0.4 U	42
Chloroform	6	4.7	0.3 U	3.4 U	6.8 U	3.4 U	0.4	0.6	0.7 U
1,2-Dichloroethane	2	0.4 U	2.9	3.6 U	7.2 U	3.6 U	0.4 U	0.4 U	0.7 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	2.9 U	5.8 U	2.9 U	0.3 U	0.3 U	0.6 U
Carbon Tetrachloride	2	0.3 U	0.3 U	3 U	6 U	3 U	0.3 U	0.3 U	0.6 U
Bromodichloromethane	1	0.3 U	0.3 U	2.9 U	5.8 U	2.9 U	0.3 U	0.3 U	0.6 U
1,2-Dichloropropane	1	0.4 U	0.4 U	3.7 U	7.4 U	3.7 U	0.4 U	0.4 U	0.7 U
cis-1,3-Dichloropropene		0.3 U	0.3 U	2.7 U	5.4 U	2.7 U	0.3 U	0.3 U	0.5 U
Trichloroethene	1	190	25	820	1200	620	120	1.2	330
Dibromochloromethane	10	0.2 U	0.2 U	2.1 U	4.2 U	2.1 U	0.2 U	0.2 U	0.4 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	2.8 U	5.6 U	2.8 U	0.3 U	0.3 U	0.6 U
Benzene	1	0.3 U	0.3 U	3.1 U	6.2 U	3.1 U	0.3 U	0.3 U	0.6 U
trans-1,3-Dichloropropene		0.4 U	0.4 U	3.5 U	7 U	3.5 U	0.4 U	0.4 U	0.7 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	3.6 U	7.2 U	3.6 U	0.4 U	0.4 U	0.7 U
Bromoform	4	0.3 U	0.3 U	2.7 U	5.4 U	2.7 U	0.3 U	0.3 U	0.5 U
Tetrachloroethene	1	2.0	3.1	3.6 U	7.2 U	3.6 U	0.4 U	0.4 U	0.7 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.5 U	4.6 U	9.2 U	4.6 U	0.5 U	0.5 U	0.9 U
Toluene	1000	0.3 U	0.3 U	5	8.1	3.7	0.3 U	0.3 U	1.1
Chlorobenzene	50	0.3 U	17	2.6 U	5.2 U	2.6 U	0.3 U	0.3 U	0.5 U
Ethylbenzene	700	0.3 U	0.3 U	3.3 U	6.6 U	3.3 U	0.3 U	0.3 U	0.7 U
Xylene (Total)	1000	0.2 U	0.2 U	1.8 U	3.6 U	1.8 U	0.2 U	0.2 U	0.4 U
Total Confident Conc. VOAs (s)		239.2	78.9	825	1215.4	629.9	122.2	1.8	375.3
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-532A	TB_3-4-05	FB_3-4-05	MW-507-A	MW-507-B	MW-508-A	MW-508-B	MW-546-A
Lab Sample Number	New Jersey	612002	612264	612265	612266	612267	612268	612269	612270
Sampling Date	Ground Water	3/3/2005	3/4/2005	3/4/2005	3/4/2005	3/4/2005	3/4/2005	3/4/2005	3/4/2005
Matrix	Quality	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	1.0	1.0	1.0	5.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.4 U	0.4 U	0.4 U	1.9 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	10	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	5	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	100	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	3	0.9 U	0.9 U	0.9 U	4.6 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane		0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.3 U	0.3 U	0.3 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	50	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	100	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.4	0.3 U	0.3 U
cis-1,2-Dichloroethene	70	0.4 U	0.4 U	0.4 U	6.1	0.4 U	20	0.4 U	0.4 U
Chloroform	6	0.3 U	0.3 U	0.3 U	1.7 U	0.5	0.3 U	0.6	3.7
1,2-Dichloroethane	2	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	2	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	1	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	1	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene		0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1	37	0.4 U	0.4 U	540	20	1.2	26	110
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene		0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	1.0	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.4	0.4 U
1,1,2,2-Tetrachloroethane	1	0.5 U	0.5 U	0.5 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	1000	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	50	0.3 U	0.3 U	0.3 U	1.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	700	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	1000	0.2 U	0.2 U	0.2 U	0.9 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		38	ND	ND	546.1	20.5	21.6	27	113.7
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

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Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	Trip-Blank	FB060305PDB	MW-502A	MW-502B	MW-550C	MW-550B	MW-506B	MW-506A
Lab Sample Number	Ground Water	639163	639170	639172	639173	639174	639175	639176	639177
Sampling Date	Quality	6/1/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Matrix	Criteria	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	ug/L	1.0	1.0	1.0	2.0	1.0	5.0	1.0	5.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)									
Chloromethane	30	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.4 U	0.3 U	1.4 U
Bromomethane	10	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.6 U	0.3 U	1.6 U
Vinyl Chloride	5	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.4 U	0.3 U	1.4 U
Chloroethane	100	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	1.2 U	0.2 U	1.2 U
Methylene Chloride	3	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	2.6 U	0.5 U	2.6 U
Trichlorofluoromethane		0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	1.2 U	0.2 U	1.2 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	1.8 U	0.4 U	1.8 U
1,1-Dichloroethane	50	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.6 U	0.3 U	1.6 U
trans-1,2-Dichloroethene	100	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	2.2 U	0.4 U	2.2 U
cis-1,2-Dichloroethene	70	0.4 U	0.4 U	0.4 U	40	1.8	8.6	0.4 U	7.9
Chloroform	6	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	2.6 U	0.5 U	2.6 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.4 U	0.3 U	1.4 U
1,1,1-Trichloroethane	30	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	1.7 U	0.3 U	1.7 U
Carbon Tetrachloride	2	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.6 U	0.3 U	1.6 U
Bromodichloromethane	1	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.6 U	0.3 U	1.6 U
1,2-Dichloropropane	1	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	1.4 U	0.3 U	1.4 U
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	1.2 U	0.2 U	1.2 U
Trichloroethene	1	0.4 U	0.9	0.8	340	140	760	14	730
Dibromochloromethane	10	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	1.4 U	0.3 U	1.4 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	1.6 U	0.3 U	1.6 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	1.6 U	0.3 U	1.6 U
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	1.2 U	0.2 U	1.2 U
2-Chloroethyl Vinyl Ether	100	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	2.1 U	0.4 U	2.1 U
Bromoform	4	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	1.1 U	0.2 U	1.1 U
Tetrachloroethene	1	0.4 U	0.4 U	0.4 U	0.9	0.4 U	5.0	0.4 U	2.2 U
1,1,2,2-Tetrachloroethane	1	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	1.7 U	0.3 U	1.7 U
Toluene	1000	0.4 U	0.5	0.4 U	0.8 U	0.4 U	2.0 U	0.4 U	2.0 U
Chlorobenzene	50	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	2.2 U	0.4 U	2.2 U
Ethylbenzene	700	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	2.3 U	0.5 U	2.3 U
Xylene (Total)	1000	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	1.9 U	0.4 U	1.9 U
Total Confident Conc. VOAs (s)		ND	1.4	0.8	380.9	141.8	773.6	14	737.9
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-507A	MW-508B	MW-546A	MW-549A	MW-549B
Lab Sample Number	New Jersey	639178	639179	639180	639181	639182
Sampling Date	Ground Water	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Matrix	Quality	WATER	WATER	WATER	WATER	WATER
Dilution Factor	Criteria	5.0	1.0	1.0	1.0	5.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)						
Chloromethane	30	1.4 U	0.3 U	0.3 U	0.3 U	1.4 U
Bromomethane	10	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
Vinyl Chloride	5	1.4 U	0.3 U	0.3 U	0.3 U	1.4 U
Chloroethane	100	1.2 U	0.2 U	0.2 U	0.2 U	1.2 U
Methylene Chloride	3	2.6 U	0.5 U	0.5 U	0.5 U	2.6 U
Trichlorofluoromethane		1.2 U	0.2 U	0.2 U	0.2 U	1.2 U
1,1-Dichloroethene	2	1.8 U	0.4 U	0.4 U	0.4 U	1.8 U
1,1-Dichloroethane	50	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
trans-1,2-Dichloroethene	100	2.2 U	0.4 U	0.4 U	0.4 U	2.2 U
cis-1,2-Dichloroethene	70	7.5	0.4 U	0.9	0.4 U	5.3
Chloroform	6	2.6 U	1.1	3.3	0.5 U	2.6 U
1,2-Dichloroethane	2	1.4 U	0.3 U	0.3 U	0.3 U	1.4 U
1,1,1-Trichloroethane	30	1.7 U	0.3 U	0.3 U	0.3 U	1.7 U
Carbon Tetrachloride	2	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
Bromodichloromethane	1	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
1,2-Dichloropropane	1	1.4 U	0.3 U	0.3 U	0.3 U	1.4 U
cis-1,3-Dichloropropene		1.2 U	0.2 U	0.2 U	0.2 U	1.2 U
Trichloroethene	1	570	40	120	98	650
Dibromochloromethane	10	1.4 U	0.3 U	0.3 U	0.3 U	1.4 U
1,1,2-Trichloroethane	3	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
Benzene	1	1.6 U	0.3 U	0.3 U	0.3 U	1.6 U
trans-1,3-Dichloropropene		1.2 U	0.2 U	0.2 U	0.2 U	1.2 U
2-Chloroethyl Vinyl Ether	100	2.1 U	0.4 U	0.4 U	0.4 U	2.1 U
Bromoform	4	1.1 U	0.2 U	0.2 U	0.2 U	1.1 U
Tetrachloroethene	1	2.2 U	0.4 U	0.4 U	0.4 U	3.9
1,1,2,2-Tetrachloroethane	1	1.7 U	0.3 U	0.3 U	0.3 U	1.7 U
Toluene	1000	2.0 U	0.4 U	0.4 U	0.4 U	2.0 U
Chlorobenzene	50	2.2 U	0.4 U	0.4 U	0.4 U	2.2 U
Ethylbenzene	700	2.3 U	0.5 U	0.5 U	0.5 U	2.3 U
Xylene (Total)	1000	1.9 U	0.4 U	0.4 U	0.4 U	1.9 U
Total Confident Conc. VOAs (s)		577.5	41.1	124.2	98	659.2
Total Estimated Conc. VOA TICs (s)	500	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 5
HISTORICAL TCE CONCENTRATIONS IN GROUND WATER
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample Date	Well #	TCE Concentration	Units	Q
Aug-93	MW-502A	3	ug/L	
Oct-93	MW-502A	5	ug/L	
Apr-94	MW-502A	1.6	ug/L	
Nov-94	MW-502A	2.02	ug/L	
Jun-95	MW-502A	2.3	ug/L	
Mar-96	MW-502A	2.5	ug/L	
Mar-96	MW-502A	2.9	ug/L	
Sep-97	MW-502A	7.8	ug/L	
May-98	MW-502A	5.2	ug/L	
Sep-98	MW-502A	7.9	ug/L	
Nov-99	MW-502A	5.9	ug/L	
Nov-02	MW-502A	3.1	ug/L	
Mar-03	MW-502A	2.5	ug/L	
Jun-03	MW-502A	2.7	ug/L	
Sep-03	MW-502A	1.4	ug/L	
Dec-03	MW-502A	1.0	ug/L	
Mar-04	MW-502A	0.8	ug/L	
Jun-04	MW-502A	0.6	ug/L	
Sep-04	MW-502A	0.6	ug/L	
Dec-04	MW-502A	0.9	ug/L	
Mar-05	MW-502A	1.2	ug/L	
Jun-05	MW-502A	0.8	ug/L	
Aug-93	MW-502B	1200	ug/L	
Aug-93	MW-502B	930	ug/L	
Oct-93	MW-502B	1300	ug/L	
Oct-93	MW-502B	1300	ug/L	
Apr-94	MW-502B	1200	ug/L	
Nov-94	MW-502B	1700	ug/L	
Jun-95	MW-502B	1510	ug/L	
Apr-96	MW-502B	1300	ug/L	
Sep-97	MW-502B	1400	ug/L	
May-98	MW-502B	1300	ug/L	
Sep-98	MW-502B	1300	ug/L	
Sep-98	MW-502B	1300	ug/L	
Nov-99	MW-502B	1500	ug/L	
Nov-02	MW-502B	1000	ug/L	
Mar-03	MW-502B	920	ug/L	
Jun-03	MW-502B	1100	ug/L	
Sep-03	MW-502B	1100	ug/L	
Dec-03	MW-502B	670	ug/L	
Mar-04	MW-502B	730	ug/L	
Jun-04	MW-502B	390	ug/L	
Sep-04	MW-502B	350	ug/L	
Dec-04	MW-502B	290	ug/L	
Mar-05	MW-502B	330	ug/L	
Jun-05	MW-502B	340	ug/L	
Aug-93	MW-505A	<GWQS	ug/L	U
Oct-93	MW-505A	<GWQS	ug/L	U
Apr-94	MW-505A	<GWQS	ug/L	U
Nov-94	MW-505A	<GWQS	ug/L	U
May-95	MW-505A	<GWQS	ug/L	U
Apr-96	MW-505A	0.1	ug/L	J
Sep-97	MW-505A	<GWQS	ug/L	U
Sep-98	MW-505A	<GWQS	ug/L	U
Nov-99	MW-505A	<GWQS	ug/L	U
Nov-02	MW-505A	<GWQS	ug/L	U
Mar-03	MW-505A	<GWQS	ug/L	U
Mar-04	MW-505A	<GWQS	ug/L	U
Mar-05	MW-505A	0.4	ug/L	U

Sample Date	Well #	TCE Concentration	Units	Q
Aug-93	MW-505B	<GWQS	ug/L	U
Oct-93	MW-505B	<GWQS	ug/L	U
Apr-94	MW-505B	<GWQS	ug/L	U
Nov-94	MW-505B	<GWQS	ug/L	U
May-95	MW-505B	<GWQS	ug/L	U
Apr-96	MW-505B	1.1	ug/L	
Sep-97	MW-505B	<GWQS	ug/L	U
Sep-98	MW-505B	<GWQS	ug/L	U
Nov-99	MW-505B	<GWQS	ug/L	U
Nov-02	MW-505B	<GWQS	ug/L	U
Mar-03	MW-505B	<GWQS	ug/L	U
Mar-04	MW-505B	<GWQS	ug/L	U
Mar-05	MW-505B	0.4	ug/L	U
Aug-93	MW-506A	1700	ug/L	
Oct-93	MW-506A	1800	ug/L	
Apr-94	MW-506A	1200	ug/L	
Apr-94	MW-506A	1300	ug/L	
Nov-94	MW-506A	1990	ug/L	
Nov-94	MW-506A	2020	ug/L	
Jun-95	MW-506A	1650	ug/L	
Jun-95	MW-506A	1690	ug/L	
Apr-96	MW-506A	1800	ug/L	
Sep-97	MW-506A	1600	ug/L	
Sep-97	MW-506A	1700	ug/L	
Apr-98	MW-506A	1400	ug/L	
Sep-98	MW-506A	1400	ug/L	
Nov-99	MW-506A	1700	ug/L	
Nov-02	MW-506A	1000	ug/L	
Mar-03	MW-506A	850	ug/L	
Jun-03	MW-506A	1000	ug/L	
Sep-03	MW-506A	960	ug/L	
Dec-03	MW-506A	830	ug/L	
Mar-04	MW-506A	940	ug/L	
Jun-04	MW-506A	710	ug/L	
Sep-04	MW-506A	1300	ug/L	
Dec-05	MW-506A	710	ug/L	
Mar-05	MW-506A	650	ug/L	
Jun-05	MW-506A	730	ug/L	
Aug-93	MW-506B	18	ug/L	
Oct-93	MW-506B	48	ug/L	J
Apr-94	MW-506B	18	ug/L	
Nov-94	MW-506B	19	ug/L	
Jun-95	MW-506B	40.4	ug/L	
Apr-96	MW-506B	25	ug/L	J
Sep-97	MW-506B	34	ug/L	
Apr-98	MW-506B	26	ug/L	
Apr-98	MW-506B	27	ug/L	
Sep-98	MW-506B	32	ug/L	
Nov-99	MW-506B	50	ug/L	
Nov-02	MW-506B	74	ug/L	
Mar-03	MW-506B	24	ug/L	
Jun-03	MW-506B	12	ug/L	
Sep-03	MW-506B	14	ug/L	
Dec-03	MW-506B	15	ug/L	
Mar-04	MW-506B	16	ug/L	
Jun-04	MW-506B	13	ug/L	
Sep-04	MW-506B	12	ug/L	
Dec-04	MW-506B	15	ug/L	
Mar-05	MW-506B	16	ug/L	
Jun-05	MW-506B	14	ug/L	

Sample Date	Well #	TCE Concentration	Units	Q
10/21/93	MW-507A	730	ug/L	
04/27/94	MW-507A	1200	ug/L	
11/11/94	MW-507A	1210	ug/L	
06/01/95	MW-507A	1100	ug/L	
04/01/96	MW-507A	930	ug/L	DJ
06/02/95	MW-507A	1200	ug/L	
05/02/98	MW-507A	1100	ug/L	
05/02/98	MW-507A	1100	ug/L	
09/26/98	MW-507A	1200	ug/L	
11/11/99	MW-507A	970	ug/L	
11/21/02	MW-507A	140	ug/L	
03/26/03	MW-507A	630	ug/L	
06/25/03	MW-507A	770	ug/L	
09/23/03	MW-507A	860	ug/L	
12/11/03	MW-507A	740	ug/L	
03/09/04	MW-507A	690	ug/L	
06/04/04	MW-507A	450	ug/L	
09/23/04	MW-507A	1100	ug/L	
12/09/04	MW-507A	610	ug/L	
03/04/05	MW-507A	540	ug/L	
06/03/05	MW-507A	570	ug/L	
08/13/93	MW-507B	130	ug/L	
10/21/93	MW-507B	100	ug/L	
05/02/94	MW-507B	79	ug/L	
11/11/94	MW-507B	145	ug/L	
06/02/95	MW-507B	115	ug/L	
04/01/96	MW-507B	70	ug/L	DJ
09/26/97	MW-507B	80	ug/L	
05/02/98	MW-507B	64	ug/L	
09/26/98	MW-507B	43	ug/L	
11/11/99	MW-507B	93	ug/L	
11/21/02	MW-507B	45	ug/L	
03/26/03	MW-507B	20	ug/L	
03/25/04	MW-507B	16	ug/L	
03/04/05	MW-507B	20	ug/L	
10/25/93	MW-508A	30	ug/L	
05/02/94	MW-508A	35	ug/L	
11/12/94	MW-508A	36.8	ug/L	
06/03/95	MW-508A	38.4	ug/L	
04/02/96	MW-508A	32	ug/L	J
04/02/96	MW-508A	38	ug/L	J
09/26/97	MW-508A	35	ug/L	
05/02/98	MW-508A	34	ug/L	
09/25/98	MW-508A	33	ug/L	
03/09/04	MW-508A	34	ug/L	
11/21/02	MW-508A	13	ug/L	
03/26/03	MW-508A	30	ug/L	
03/25/04	MW-508A	35	ug/L	
03/04/05	MW-508A	1.2	ug/L	

Sample Date	Well #	TCE Concentration	Units	Q
08/13/93	MW-508B	960	ug/L	
10/25/93	MW-508B	860	ug/L	
04/29/94	MW-508B	630	ug/L	J
04/29/94	MW-508B	640	ug/L	J
11/11/94	MW-508B	1120	ug/L	
06/02/95	MW-508B	943	ug/L	
04/02/96	MW-508B	1600	ug/L	J
09/26/97	MW-508B	320	ug/L	
05/02/98	MW-508B	360	ug/L	
09/25/98	MW-508B	210	ug/L	
11/11/99	MW-508B	670	ug/L	
11/21/02	MW-508B	120	ug/L	
03/26/03	MW-508B	73	ug/L	
06/25/03	MW-508B	58	ug/L	
09/23/03	MW-508B	69	ug/L	
12/11/03	MW-508B	40	ug/L	
03/09/04	MW-508B	41	ug/L	
06/04/04	MW-508B	32	ug/L	
09/23/04	MW-508B	30	ug/L	
12/09/04	MW-508B	31	ug/L	
03/04/05	MW-508B	26	ug/L	
06/03/05	MW-508B	40	ug/L	
11/28/95	MW-532A	30	ug/L	
01/16/96	MW-532A	31	ug/L	
03/28/96	MW-532A	18	ug/L	
09/23/97	MW-532A	39	ug/L	
04/28/98	MW-532A	34	ug/L	
09/22/98	MW-532A	30	ug/L	
11/10/99	MW-532A	32	ug/L	
11/20/02	MW-532A	37	ug/L	
03/27/03	MW-532A	26	ug/L	
03/25/04	MW-532A	33	ug/L	
03/03/05	MW-532A	37	ug/L	
11/09/99	MW-544A	<GWQS	ug/L	U
11/18/02	MW-544A	<GWQS	ug/L	U
03/24/03	MW-544A	0.5	ug/L	
09/23/03	MW-544A	0.8 *	ug/L	
03/09/04	MW-544A	<GWQS	ug/L	U
09/24/04	MW-544A	0.4	ug/L	U
03/03/05	MW-544A	0.4	ug/L	U
11/09/99	MW-544B	0.4	ug/L	
11/18/02	MW-544B	0.5	ug/L	
03/24/03	MW-544B	0.8	ug/L	
09/23/03	MW-544B	0.6	ug/L	
03/09/04	MW-544B	0.8	ug/L	
09/24/04	MW-544B	0.6	ug/L	
03/03/05	MW-544B	0.4	ug/L	U
11/09/99	MW-544C	4.9	ug/L	
11/18/02	MW-544C	1.7	ug/L	
03/24/03	MW-544C	0.4	ug/L	
09/23/03	MW-544C	1.3	ug/L	
03/09/04	MW-544C	1.8	ug/L	
09/24/04	MW-544C	1.3	ug/L	
03/03/05	MW-544C	1.8	ug/L	
11/09/99	MW-545A	0	ug/L	U
11/18/02	MW-545A	0.2	ug/L	
03/25/03	MW-545A	0.4	ug/L	
09/23/03	MW-545A	0	ug/L	U
03/09/04	MW-545A	0	ug/L	U
09/24/04	MW-545A	0.4	ug/L	U
03/03/05	MW-545A	0.4	ug/L	U

Sample Date	Well #	TCE Concentration	Units	Q
11/09/99	MW-545B	<GWQS	ug/L	U
11/18/02	MW-545B	<GWQS	ug/L	U
03/25/03	MW-545B	<GWQS	ug/L	U
09/23/03	MW-545B	<GWQS	ug/L	U
03/09/04	MW-545B	<GWQS	ug/L	U
09/24/04	MW-545B	0.4	ug/L	U
03/03/05	MW-545B	0.4	ug/L	U
11/09/99	MW-545C	<GWQS	ug/L	U
11/18/02	MW-545C	<GWQS	ug/L	U
03/25/03	MW-545C	<GWQS	ug/L	U
09/23/03	MW-545C	<GWQS	ug/L	U
03/09/04	MW-545C	<GWQS	ug/L	U
09/24/04	MW-545C	0.4	ug/L	U
03/03/05	MW-545C	0.4	ug/L	U
11/09/99	MW-546A	130	ug/L	
11/19/02	MW-546A	120	ug/L	
03/25/03	MW-546A	120	ug/L	
06/25/03	MW-546A	150	ug/L	
09/24/03	MW-546A	91	ug/L	
12/11/03	MW-546A	88	ug/L	
03/09/04	MW-546A	90	ug/L	
06/04/04	MW-546A	82	ug/L	
09/24/04	MW-546A	110	ug/L	
12/09/04	MW-546A	110	ug/L	
03/04/05	MW-546A	110	ug/L	
06/03/05	MW-546A	120	ug/L	
11/21/02	MW-549A	760	ug/L	
03/26/03	MW-549A	760	ug/L	
06/25/03	MW-549A	1200	ug/L	
09/24/03	MW-549A	1100	ug/L	
12/10/03	MW-549A	900	ug/L	
03/09/04	MW-549A	1000	ug/L	
06/04/04	MW-549A	880	ug/L	
09/23/04	MW-549A	820	ug/L	
12/09/04	MW-549A	850	ug/L	
03/03/05	MW-549A	820	ug/L	
06/03/05	MW-549A	98	ug/L	
11/21/02	MW-549B	1400	ug/L	
03/26/03	MW-549B	1900	ug/L	
06/25/03	MW-549B	2800	ug/L	
09/24/03	MW-549B	2300	ug/L	
12/10/03	MW-549B	1800	ug/L	
03/09/04	MW-549B	1200	ug/L	
06/04/04	MW-549B	1400	ug/L	
09/23/04	MW-549B	1500	ug/L	
12/09/04	MW-549B	1200	ug/L	
03/03/05	MW-549B	1200	ug/L	
06/03/05	MW-549B	650	ug/L	
11/21/02	MW-549C	2600	ug/L	
Nov-02	MW-550B	440	ug/L	
Mar-03	MW-550B	870	ug/L	
Sep-03	MW-550B	800	ug/L	
Dec-03	MW-550B	780	ug/L	
Mar-04	MW-550B	750	ug/L	
Jun-04	MW-550B	650	ug/L	
Sep-04	MW-550B	1400	ug/L	
Dec-04	MW-550B	720	ug/L	
Mar-05	MW-550B	620	ug/L	
Jun-05	MW-550B	760	ug/L	

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 444742 07/22/03 WATER 1.0 ug/L	FB 444743 07/22/03 WATER 1.0 ug/L	SW-1 444744 07/22/03 WATER 1.0 ug/L	SW-2 444745 07/22/03 WATER 1.0 ug/L	SW-3 444746 07/22/03 WATER 1.0 ug/L	SW-4 444747 07/22/03 WATER 1.0 ug/L	SW-12 444748 07/22/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.7	3.6	2.6	1.7	1.7
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	0.7	3.6	2.6	1.7	2.5
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 453820 08/18/03 WATER 1.0 ug/L	FB 453821 08/19/03 WATER 1.0 ug/L	SW-1 453822 08/19/03 WATER 1.0 ug/L	SW-2 453823 08/19/03 WATER 1.0 ug/L	SW-3 453824 08/19/03 WATER 1.0 ug/L	SW-4 453825 08/19/03 WATER 1.0 ug/L	SW-12 453826 08/19/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	2.2	1.2	0.2 U	2.2
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	2.2	1.2	ND	2.2
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 463591 09/22/03 WATER 1.0 ug/L	FB 463592 09/22/03 WATER 1.0 ug/L	SW-1 463593 09/22/03 WATER 1.0 ug/L	SW-2 463594 09/22/03 WATER 1.0 ug/L	SW-3 463595 09/22/03 WATER 1.0 ug/L	SW-4 463596 09/22/03 WATER 1.0 ug/L	SW-12 463597 09/22/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.9
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.0
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	4.5
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 472432 10/17/03 WATER 1.0 ug/L	FB 472433 10/17/03 WATER 1.0 ug/L	SW-1 472434 10/17/03 WATER 1.0 ug/L	SW-2 472435 10/17/03 WATER 1.0 ug/L	SW-3 472436 10/17/03 WATER 1.0 ug/L	SW-4 472437 10/17/03 WATER 1.0 ug/L	SW-12 472438 10/17/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.4
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	0.3	5.3
Total Estimated Conc. VOA TICs (s)		ND	ND	9.7	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 480633 11/14/03 WATER 1.0 ug/L	FB 480634 11/14/03 WATER 1.0 ug/L	SW-1 480635 11/14/03 WATER 1.0 ug/L	SW-2 480636 11/14/03 WATER 1.0 ug/L	SW-3 480637 11/14/03 WATER 1.0 ug/L	SW-4 480638 11/14/03 WATER 1.0 ug/L	SW-12 480639 11/14/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	4.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TripBlank 487213 12/10/03 WATER 1.0 ug/L	FieldBlank 487214 12/10/03 WATER 1.0 ug/L	SW-1 487215 12/10/03 WATER 1.0 ug/L	SW-2 487216 12/10/03 WATER 1.0 ug/L	SW-3 487217 12/10/03 WATER 1.0 ug/L	SW-4 487218 12/10/03 WATER 1.0 ug/L	SW-12 487219 12/10/03 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	1.6	1.1
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 493243 01/09/04 WATER 1.0 ug/L	FB 493244 01/09/04 WATER 1.0 ug/L	SW-1 493245 01/09/04 WATER 1.0 ug/L	SW-2 493246 01/09/04 WATER 1.0 ug/L	SW-3 493247 01/09/04 WATER 1.0 ug/L	SW-4 493248 01/09/04 WATER 1.0 ug/L	SW-12 493249 01/09/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	2.1	1.1	0.6	2.1
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	2.1	1.1	0.6	2.7
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

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TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 500929 02/11/04 WATER 1.0 ug/L	FB 500930 02/11/04 WATER 1.0 ug/L	SW-1 500931 02/11/04 WATER 1.0 ug/L	SW-2 500932 02/11/04 WATER 1.0 ug/L	SW-3 500933 02/11/04 WATER 1.0 ug/L	SW-4 500934 02/11/04 WATER 1.0 ug/L	SW-12 500935 02/11/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	1.5	2.1	0.9	0.8 U	1.2	1.2	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	1.4	0.8	0.6	1.4
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		1.5	2.1	0.9	1.4	2.0	1.8	1.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 508684 03/08/04 WATER 1.0 ug/L	FB 508685 03/08/04 WATER 1.0 ug/L	SW-1 508686 03/08/04 WATER 1.0 ug/L	SW-2 508687 03/08/04 WATER 1.0 ug/L	SW-3 508688 03/08/04 WATER 1.0 ug/L	SW-4 508689 03/08/04 WATER 1.0 ug/L	SW-12 508690 03/08/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.7	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	0.4	0.7	ND
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-4-7-04 518218 04/07/04 WATER 1.0 ug/L	FB-4-7-04 518219 04/07/04 WATER 1.0 ug/L	SW-1 518220 04/07/04 WATER 1.0 ug/L	SW-2 518221 04/07/04 WATER 1.0 ug/L	SW-3 518222 04/07/04 WATER 1.0 ug/L	SW-4 518223 04/07/04 WATER 1.0 ug/L	SW-12 518224 04/07/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.7
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.4	0.3	0.2 U	2.3
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	0.4	0.3	ND	3.5
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-5-10-04 527363 05/10/04 WATER 1.0 ug/L	FB-5-10-04 527364 05/10/04 WATER 1.0 ug/L	SW-1 527365 05/10/04 WATER 1.0 ug/L	SW-2 527366 05/10/04 WATER 1.0 ug/L	SW-3 527367 05/10/04 WATER 1.0 ug/L	SW-4 527368 05/10/04 WATER 1.0 ug/L	SW-12 527369 05/10/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.7
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	2.2	1.2	0.7	2.4
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	2.2	1.2	0.7	3.5
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-6-3-04 534872 06/03/04 WATER 1.0 ug/L	FB-6-3-04 534873 06/03/04 WATER 1.0 ug/L	SW-1 534874 06/03/04 WATER 1.0 ug/L	SW-2 534875 06/03/04 WATER 1.0 ug/L	SW-3 534876 06/03/04 WATER 1.0 ug/L	SW-4 534877 06/03/04 WATER 1.0 ug/L	SW-12 534878 06/03/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	48.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl Chloride	0.083	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	2.49	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	592	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Chloroform	5.67	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	0.363	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.266	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	22.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	3030	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	1.7
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB_7-1-04 544083 07/01/04 WATER 1.0 ug/L	FB_7-1-04 544084 07/01/04 WATER 1.0 ug/L	SW-1 544085 07/01/04 WATER 1.0 ug/L	SW-2 544086 07/01/04 WATER 1.0 ug/L	SW-3 544087 07/01/04 WATER 1.0 ug/L	SW-4 544088 07/01/04 WATER 1.0 ug/L	SW-12 544089 07/01/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.5
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	3.3
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-8-10-04 553847 08/10/04 WATER 1.0 ug/L	FB-8-10-04 553848 08/10/04 WATER 1.0 ug/L	SW-1 553849 08/10/04 WATER 1.0 ug/L	SW-2 553850 08/10/04 WATER 1.0 ug/L	SW-3 553851 08/10/04 WATER 1.0 ug/L	SW-4 553852 08/10/04 WATER 1.0 ug/L	SW-12 553853 08/10/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	2.4
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	0.6	ND	ND	3.1
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-9-23-04 567386 09/23/04 WATER 1.0 ug/L	FB-9-23-04 567387 09/23/04 WATER 1.0 ug/L	SW-1 567388 09/23/04 WATER 1.0 ug/L	SW-2 567389 09/23/04 WATER 1.0 ug/L	SW-3 567390 09/23/04 WATER 1.0 ug/L	SW-4 567391 09/23/04 WATER 1.0 ug/L	SW-12 567392 09/23/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.1
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	2.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-10-13-04 572923 10/13/04 WATER 1.0 ug/L	FB-10-13-04 572924 10/13/04 WATER 1.0 ug/L	SW-1 572925 10/13/04 WATER 1.0 ug/L	SW-2 572926 10/13/04 WATER 1.0 ug/L	SW-3 572927 10/13/04 WATER 1.0 ug/L	SW-4 572928 10/13/04 WATER 1.0 ug/L	SW-12 572929 10/13/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	1.7	0.7	0.4	2.2
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	1.7	0.7	0.4	2.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-11-9-04 582676 11/09/04 WATER 1.0 ug/L	FB-11-9-04 582677 11/09/04 WATER 1.0 ug/L	SW-1 582678 11/09/04 WATER 1.0 ug/L	SW-2 582679 11/09/04 WATER 1.0 ug/L	SW-3 582680 11/09/04 WATER 1.0 ug/L	SW-4 582681 11/09/04 WATER 1.0 ug/L	SW-12 582682 11/09/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.4
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	ND	ND	ND	3.1
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-12-08-04 591866 12/08/04 WATER 1.0 ug/L	FB-12-08-04 591867 12/08/04 WATER 1.0 ug/L	SW-1 591868 12/08/04 WATER 1.0 ug/L	SW-2 591869 12/08/04 WATER 1.0 ug/L	SW-3 591870 12/08/04 WATER 1.0 ug/L	SW-4 591871 12/08/04 WATER 1.0 ug/L	SW-12 591872 12/08/04 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.4	1.1
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	1.9	1.1	2.9	0.4
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.6	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	2.8	1.1	4.5	1.5
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-1-13-05 600108 01/13/05 WATER 1.0 ug/L	FB-1-13-05 600109 01/13/05 WATER 1.0 ug/L	SW-1 600110 01/13/05 WATER 1.0 ug/L	SW-2 600111 01/13/05 WATER 1.0 ug/L	SW-3 600112 01/13/05 WATER 1.0 ug/L	SW-4 600113 01/13/05 WATER 1.0 ug/L	SW-12 600114 01/13/05 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.4 U	1.0
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	4.2	0.3 U	0.5	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.5	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	3.8	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	9.0	ND	0.5	1.0
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB-2-3-05 604919 02/03/05 WATER 1.0 ug/L	FB-2-3-05 604920 02/03/05 WATER 1.0 ug/L	SW-1 604921 02/03/05 WATER 1.0 ug/L	SW-2 604922 02/03/05 WATER 1.0 ug/L	SW-3 604923 02/03/05 WATER 1.0 ug/L	SW-4 604924 02/03/05 WATER 1.0 ug/L	SW-12 604925 02/03/05 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4	0.4	0.4 U	0.6
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.8	0.4	0.4 U	2.3
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	1.2	0.8	ND	2.9
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB_3-2-05 612019 03/02/05 WATER 1.0 ug/L	FB_3-2-05 612020 03/02/05 WATER 1.0 ug/L	SW-1 612021 03/02/05 WATER 1.0 ug/L	SW-2 612022 03/02/05 WATER 1.0 ug/L	SW-3 612023 03/02/05 WATER 1.0 ug/L	SW-4 612024 03/02/05 WATER 1.0 ug/L	SW-12 612025 03/02/05 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	2.6	1.6	1.1	1.0
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	2.6	1.6	1.1	1.0
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB_4-7-05 622242 4/7/2005 WATER 1.0 ug/L	FB_4-7-05 622237 4/7/2005 WATER 1.0 ug/L	SW-1 622239 4/7/2005 WATER 1.0 ug/L	SW-2 622238 4/7/2005 WATER 1.0 ug/L	SW-3 622236 4/7/2005 WATER 1.0 ug/L	SW-4 622241 4/7/2005 WATER 1.0 ug/L	SW-12 622240 4/7/2005 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methylene Chloride	2.49	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	4.81	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	592	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.7	0.4 U	0.4 U	0.4 U
Chloroform	5.67	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.291	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-Dichloropropene	0.193	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.8	0.4 U	0.4 U	1.2
Dibromochloromethane	72.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.5	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7440	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	22.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	3030	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Xylene (Total)	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		ND	ND	ND	1.5	ND	2.5	1.2
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	TB 631177 5/9/2005 WATER 1.0 ug/L	FB 631176 5/9/2005 WATER 1.0 ug/L	SW-1 631174 5/9/2005 WATER 1.0 ug/L	SW-2 631173 5/9/2005 WATER 1.0 ug/L	SW-3 631172 5/9/2005 WATER 1.0 ug/L	SW-4 631171 5/9/2005 WATER 1.0 ug/L	SW-12 631175 5/9/2005 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	2.49	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	592	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.7	0.4 U	0.4 U	0.8
Chloroform	5.67	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	1.0	0.2 U	0.2 U	2.4
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Dibromochloromethane	72.6	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	22.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Ethylbenzene	3030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (Total)	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total Confident Conc. VOAs (s)		ND	ND	ND	1.7	ND	ND	3.2
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2003 THROUGH JUNE 2005
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID Lab Sample Number Sampling Date Matrix Dilution Factor Units	New Jersey Fresh Water - 2 Quality Criteria ug/L	Trip-Blank2 639164 6/1/2005 WATER 1.0 ug/L	RB060305SW 639171 6/3/2005 WATER 1.0 ug/L	SW-1 639166 6/2/2005 WATER 1.0 ug/L	SW-2 639165 6/2/2005 WATER 1.0 ug/L	SW-3 639167 6/2/2005 WATER 1.0 ug/L	SW-4 639168 6/2/2005 WATER 1.0 ug/L	SW-12 639169 6/2/2005 WATER 1.0 ug/L
VOLATILE COMPOUNDS (GC/MS)								
Chloromethane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromomethane	48.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	0.083	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chloroethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	2.49	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	4.81	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	592	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	NA	0.4 U	0.4 U	0.4 U	0.9	1.7	0.4 U	0.9
Chloroform	5.67	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.291	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,1-Trichloroethane	127	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.363	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.266	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1.09	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.4 U	2.9
Dibromochloromethane	72.6	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2-Trichloroethane	13.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	0.15	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	0.193	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethyl Vinyl Ether	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.38	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	0.388	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1.72	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	7440	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	22.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Ethylbenzene	3030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (Total)	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total Confident Conc. VOAs (s)		ND	0.7	ND	1.4	1.7	ND	3.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	9.5	ND	ND

Notes:

ug/L - micrograms/Liter

U - The compound was not detected at the indicated concentration

NA - No applicable Criteria

VOCs - Volatile Organic Compounds

TICs - Tentatively Identified Compounds

Bold - Concentration exceeds Fresh Water Quality Criteria

The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 7
HISTORICAL TCE CONCENTRATIONS IN STREAM LOCATIONS
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
SW-1	May-94	Trichloroethene	0.5	ug/L	J
SW-1	Jun-94	Trichloroethene	0.81	ug/L	
SW-1	Jun-94	Trichloroethene	0.88	ug/L	
SW-1	Jul-94	Trichloroethene	0.29	ug/L	
SW-1	Aug-94	Trichloroethene	0.12	ug/L	
SW-1	Feb-95	Trichloroethene	0.84	ug/L	
SW-1	Apr-96	Trichloroethene	0.6	ug/L	
SW-1	Apr-98	Trichloroethene	0.9	ug/L	
SW-1	Nov-99	Trichloroethene	0.4	ug/L	
SW-1	Dec-02	Trichloroethene	0	ug/L	
SW-1	Mar-03	Trichloroethene	0	ug/L	U
SW-1	Jul-03	Trichloroethene	0.7	ug/L	
SW-1	Aug-03	Trichloroethene	0.2	ug/L	
SW-1	Sep-03	Trichloroethene	0.3	ug/L	
SW-1	Oct-03	Trichloroethene	0.2	ug/L	
SW-1	Nov-03	Trichloroethene	0.2	ug/L	
SW-1	Dec-03	Trichloroethene	0.2	ug/L	
SW-1	Jan-04	Trichloroethene	0.2	ug/L	
SW-1	Feb-04	Trichloroethene	0.2	ug/L	
SW-1	Mar-04	Trichloroethene	0.2	ug/L	
SW-1	Apr-04	Trichloroethene	0.2	ug/L	U
SW-1	May-04	Trichloroethene	0.2	ug/L	
SW-1	Jun-04	Trichloroethene	0.2	ug/L	
SW-1	Jul-04	Trichloroethene	0.4	ug/L	
SW-1	Aug-04	Trichloroethene	0.4	ug/L	
SW-1	Sep-04	Trichloroethene	0.4	ug/L	
SW-1	Oct-04	Trichloroethene	0.4	ug/L	
SW-1	Nov-04	Trichloroethene	0.4	ug/L	
SW-1	Dec-04	Trichloroethene	0.4	ug/L	
SW-1	Jan-05	Trichloroethene	0.4	ug/L	U
SW-1	Feb-05	Trichloroethene	0.4	ug/L	
SW-1	Mar-05	Trichloroethene	0.4	ug/L	
SW-1	Apr-05	Trichloroethene	0.4	ug/L	
SW-1	May-05	Trichloroethene	0.4	ug/L	
SW-1	Jun-05	Trichloroethene	0.4	ug/L	
SW-1	Jul-05	Trichloroethene	0.4	ug/L	
SW-2	Aug-93	Trichloroethene	39	ug/L	
SW-2	Aug-93	Trichloroethene	41	ug/L	
SW-2	Oct-93	Trichloroethene	160	ug/L	
SW-2	May-94	Trichloroethene	72	ug/L	D
SW-2	Jun-94	Trichloroethene	55	ug/L	
SW-2	Jun-94	Trichloroethene	59	ug/L	
SW-2	Jun-94	Trichloroethene	63	ug/L	
SW-2	Jul-94	Trichloroethene	53	ug/L	
SW-2	Jul-94	Trichloroethene	42	ug/L	
SW-2	Aug-94	Trichloroethene	69	ug/L	
SW-2	Oct-94	Trichloroethene	47	ug/L	
SW-2	Nov-94	Trichloroethene	71.2	ug/L	
SW-2	Dec-94	Trichloroethene	75.5	ug/L	J
SW-2	Jan-95	Trichloroethene	42	ug/L	
SW-2	Feb-95	Trichloroethene	81.1	ug/L	
SW-2	Apr-95	Trichloroethene	108	ug/L	
SW-2	Jun-95	Trichloroethene	67.7	ug/L	
SW-2	Jun-95	Trichloroethene	70.9	ug/L	
SW-2	Jun-95	Trichloroethene	98.7	ug/L	
SW-2	Aug-95	Trichloroethene	127	ug/L	
SW-2	Apr-96	Trichloroethene	26	ug/L	
SW-2	Apr-96	Trichloroethene	27	ug/L	
SW-2	Sep-97	Trichloroethene	36.8	ug/L	
SW-2	Sep-97	Trichloroethene	41.9	ug/L	
SW-2	Apr-98	Trichloroethene	45.4	ug/L	
SW-2	Apr-98	Trichloroethene	48	ug/L	
SW-2	Sep-98	Trichloroethene	68.7	ug/L	
SW-2	Nov-99	Trichloroethene	80.1	ug/L	
SW-2	Mar-00	Trichloroethene	80	ug/L	
SW-2	Dec-02	Trichloroethene	57	ug/L	
SW-2	Mar-03	Trichloroethene	33	ug/L	

TABLE 7
HISTORICAL TCE CONCENTRATIONS IN STREAM LOCATIONS
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
SW-2	Jul-03	Trichloroethene	3.6	ug/L	U
SW-2	Aug-03	Trichloroethene	2.2	ug/L	
SW-2	Sep-03	Trichloroethene	0.3	ug/L	
SW-2	Oct-03	Trichloroethene	0.2	ug/L	
SW-2	Nov-03	Trichloroethene	0.2	ug/L	
SW-2	Dec-03	Trichloroethene	0.2	ug/L	
SW-2	Jan-04	Trichloroethene	2.1	ug/L	
SW-2	Feb-04	Trichloroethene	1.4	ug/L	
SW-2	Mar-04	Trichloroethene	0.2	ug/L	
SW-2	Apr-04	Trichloroethene	0.4	ug/L	
SW-2	May-04	Trichloroethene	2.2	ug/L	
SW-2	Jun-04	Trichloroethene	0.2	ug/L	U
SW-2	Jul-04	Trichloroethene	0.4	ug/L	U
SW-2	Aug-04	Trichloroethene	0.6	ug/L	U
SW-2	Sep-04	Trichloroethene	0.4	ug/L	
SW-2	Oct-04	Trichloroethene	1.7	ug/L	U
SW-2	Nov-04	Trichloroethene	0.4	ug/L	
SW-2	Dec-04	Trichloroethene	0.5	ug/L	U
SW-2	Jan-05	Trichloroethene	0.5	ug/L	
SW-2	Feb-05	Trichloroethene	0.8	ug/L	
SW-2	Mar-05	Trichloroethene	2.6	ug/L	
SW-2	Apr-05	Trichloroethene	0.8	ug/L	
SW-2	May-05	Trichloroethene	0.4	ug/L	
SW-2	Jun-05	Trichloroethene	0.5	ug/L	
SW-2	Jul-05	Trichloroethene	0.4	ug/L	
SW-3	Jun-94	Trichloroethene	34.00	ug/L	J
SW-3	Jun-94	Trichloroethene	36.00	ug/L	
SW-3	Jul-94	Trichloroethene	29.00	ug/L	
SW-3	Jul-94	Trichloroethene	26.00	ug/L	
SW-3	Aug-94	Trichloroethene	32.00	ug/L	
SW-3	Oct-94	Trichloroethene	14.5	ug/L	
SW-3	Nov-94	Trichloroethene	26.6	ug/L	
SW-3	Dec-94	Trichloroethene	48.4	ug/L	
SW-3	Jan-95	Trichloroethene	31.7	ug/L	
SW-3	Feb-95	Trichloroethene	63.2	ug/L	
SW-3	Apr-95	Trichloroethene	48	ug/L	
SW-3	Apr-95	Trichloroethene	51.4	ug/L	
SW-3	Jun-95	Trichloroethene	29	ug/L	
SW-3	Jun-95	Trichloroethene	7.51	ug/L	
SW-3	Aug-95	Trichloroethene	32	ug/L	
SW-3	Apr-96	Trichloroethene	24	ug/L	
SW-3	Sep-97	Trichloroethene	43.7	ug/L	
SW-3	Apr-98	Trichloroethene	47	ug/L	
SW-3	Sep-98	Trichloroethene	26.6	ug/L	
SW-3	Sep-98	Trichloroethene	27.8	ug/L	
SW-3	Nov-99	Trichloroethene	41.4	ug/L	
SW-3	Mar-00	Trichloroethene	60	ug/L	
SW-3	Dec-02	Trichloroethene	44	ug/L	
SW-3	Mar-03	Trichloroethene	28	ug/L	
SW-3	Jul-03	Trichloroethene	2.6	ug/L	
SW-3	Aug-03	Trichloroethene	1.2	ug/L	U
SW-3	Sep-03	Trichloroethene	0.3	ug/L	
SW-3	Oct-03	Trichloroethene	0.2	ug/L	
SW-3	Nov-03	Trichloroethene	0.2	ug/L	
SW-3	Dec-03	Trichloroethene	0.2	ug/L	
SW-3	Jan-04	Trichloroethene	1.1	ug/L	
SW-3	Feb-04	Trichloroethene	0.8	ug/L	
SW-3	Mar-04	Trichloroethene	0.2	ug/L	
SW-3	Apr-04	Trichloroethene	0.3	ug/L	
SW-3	May-04	Trichloroethene	1.2	ug/L	
SW-3	Jun-04	Trichloroethene	0.2	ug/L	
SW-3	Jul-04	Trichloroethene	0.4	ug/L	
SW-3	Aug-04	Trichloroethene	0.4	ug/L	
SW-3	Sep-04	Trichloroethene	0.4	ug/L	
SW-3	Oct-04	Trichloroethene	0.7	ug/L	
SW-3	Nov-04	Trichloroethene	0.4	ug/L	
SW-3	Dec-04	Trichloroethene	0.4	ug/L	

TABLE 7
HISTORICAL TCE CONCENTRATIONS IN STREAM LOCATIONS
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
SW-3	Jan-05	Trichloroethene	0.4	ug/L	U
SW-3	Feb-05	Trichloroethene	0.4	ug/L	
SW-3	Mar-05	Trichloroethene	1.6	ug/L	
SW-3	Apr-05	Trichloroethene	0.4	ug/L	U
SW-3	May-05	Trichloroethene	0.4	ug/L	U
SW-3	Jun-05	Trichloroethene	0.4	ug/L	U
SW-3	Jul-05	Trichloroethene	0.4	ug/L	U
SW-4	May-94	Trichloroethene	14	ug/L	
SW-4	Jun-94	Trichloroethene	14	ug/L	
SW-4	Jun-94	Trichloroethene	6.9	ug/L	
SW-4	Jul-94	Trichloroethene	6.5	ug/L	
SW-4	Jul-94	Trichloroethene	6.6	ug/L	
SW-4	Jul-94	Trichloroethene	9.4	ug/L	
SW-4	Aug-94	Trichloroethene	11	ug/L	
SW-4	Oct-94	Trichloroethene	2.08	ug/L	
SW-4	Nov-94	Trichloroethene	4.31	ug/L	J
SW-4	Dec-94	Trichloroethene	19.5	ug/L	
SW-4	Jan-95	Trichloroethene	16.1	ug/L	
SW-4	Jan-95	Trichloroethene	17	ug/L	
SW-4	Feb-95	Trichloroethene	53.7	ug/L	
SW-4	Feb-95	Trichloroethene	54.4	ug/L	
SW-4	Apr-95	Trichloroethene	19.3	ug/L	
SW-4	Jun-95	Trichloroethene	6.29	ug/L	
SW-4	Aug-95	Trichloroethene	2.62	ug/L	
SW-4	Aug-95	Trichloroethene	2.83	ug/L	
SW-4	Apr-96	Trichloroethene	16	ug/L	
SW-4	Sep-97	Trichloroethene	3.9	ug/L	
SW-4	Apr-98	Trichloroethene	30.4	ug/L	
SW-4	Sep-98	Trichloroethene	1.4	ug/L	
SW-4	Nov-99	Trichloroethene	19.2	ug/L	
SW-4	Mar-00	Trichloroethene	36	ug/L	
SW-4	Dec-02	Trichloroethene	30	ug/L	
SW-4	Mar-03	Trichloroethene	18	ug/L	
SW-4	Jul-03	Trichloroethene	1.7	ug/L	
SW-4	Aug-03	Trichloroethene	0.2	ug/L	U
SW-4	Sep-03	Trichloroethene	0.3	ug/L	U
SW-4	Oct-03	Trichloroethene	0.2	ug/L	U
SW-4	Nov-03	Trichloroethene	0.2	ug/L	U
SW-4	Dec-03	Trichloroethene	0.2	ug/L	U
SW-4	Jan-04	Trichloroethene	0.6	ug/L	
SW-4	Feb-04	Trichloroethene	0.6	ug/L	
SW-4	Mar-04	Trichloroethene	0.2	ug/L	U
SW-4	Apr-04	Trichloroethene	0.2	ug/L	U
SW-4	May-04	Trichloroethene	0.7	ug/L	
SW-4	Jun-04	Trichloroethene	0.2	ug/L	U
SW-4	Jul-04	Trichloroethene	0.4	ug/L	U
SW-4	Aug-04	Trichloroethene	0.4	ug/L	U
SW-4	Sep-04	Trichloroethene	0.4	ug/L	U
SW-4	Oct-04	Trichloroethene	0.4	ug/L	
SW-4	Nov-04	Trichloroethene	0.4	ug/L	U
SW-4	Dec-04	Trichloroethene	0.4	ug/L	
SW-4	Jan-05	Trichloroethene	0.4	ug/L	U
SW-4	Feb-05	Trichloroethene	0.4	ug/L	U
SW-4	Mar-05	Trichloroethene	1.1	ug/L	
SW-4	Apr-05	Trichloroethene	0.4	ug/L	U
SW-4	May-05	Trichloroethene	0.4	ug/L	U
SW-4	Jun-05	Trichloroethene	0.4	ug/L	U
SW-4	Jul-05	Trichloroethene	0.4	ug/L	U

TABLE 7
HISTORICAL TCE CONCENTRATIONS IN STREAM LOCATIONS
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
SW-12	Dec-02	Trichloroethene	7.8	ug/L	U
SW-12	Mar-03	Trichloroethene	5	ug/L	
SW-12	Mar-03	Trichloroethene	3	ug/L	
SW-12	Jul-03	Trichloroethene	1.7	ug/L	
SW-12	Aug-03	Trichloroethene	2.2	ug/L	
SW-12	Sep-03	Trichloroethene	3	ug/L	
SW-12	Oct-03	Trichloroethene	3.4	ug/L	
SW-12	Nov-03	Trichloroethene	3.2	ug/L	
SW-12	Dec-03	Trichloroethene	1.1	ug/L	
SW-12	Jan-04	Trichloroethene	2.1	ug/L	
SW-12	Feb-04	Trichloroethene	1.4	ug/L	U
SW-12	Mar-04	Trichloroethene	0.2	ug/L	
SW-12	Apr-04	Trichloroethene	2.3	ug/L	
SW-12	May-04	Trichloroethene	2.4	ug/L	
SW-12	Jun-04	Trichloroethene	1.3	ug/L	
SW-12	Jul-04	Trichloroethene	2.5	ug/L	
SW-12	Aug-04	Trichloroethene	2.4	ug/L	
SW-12	Sep-04	Trichloroethene	2.1	ug/L	
SW-12	Oct-04	Trichloroethene	2.2	ug/L	
SW-12	Nov-04	Trichloroethene	2.4	ug/L	
SW-12	Dec-04	Trichloroethene	1.1	ug/L	U
SW-12	Jan-05	Trichloroethene	1.0	ug/L	
SW-12	Feb-05	Trichloroethene	2.3	ug/L	
SW-12	Mar-05	Trichloroethene	1.0	ug/L	
SW-12	Apr-05	Trichloroethene	1.2	ug/L	
SW-12	May-05	Trichloroethene	0.4	ug/L	
SW-12	Jun-05	Trichloroethene	2.9	ug/L	
SW-12	Jul-05	Trichloroethene	3.3	ug/L	

ug/L

micrograms/Liter

U

The compound was not detected above method detection limit

J

Data indicates the presence of a compound detected at less than the quantitation limit. The value is

D

Concentration was reported from a diluted analysis. The value is approximate.

TABLE 8
SYSTEM PERFORMANCE SUMMARY
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample Month	Influent TCE (ug/L)	Mid TCE (ug/L)	Effluent TCE (ug/L)	Average Pumping Rate (gpm)	Monthly Pumpage (MGM)	RW-1 Water Level (feet)
July 2003	62	ND	ND	133.4	2.31	43.8
August 2003	470	ND	ND	128.0	5.53	44.9
September 2003	62	ND	ND	127.5	5.51	44.6
October 2003	470	ND	ND	122.8	5.31	41.8
November 2003	510	58	ND	124.2	5.36	44.1
December 2003	650	160	ND	138.2	5.97	50.3
January 2004	430	310	1.2	138.8	6.00	51.5
February 2004	450	460	ND	135.5	5.85	52.5
March 2004	480	190	2.8	132.3	5.72	54
April 2004	370	340	2.0	129.6	5.57	49.9
May 2004	350	320	2.0	134.9	6.02	53.7
June 2004	370	3.3	0.8	100.1	4.32	55.8
July 2004	420	3.9	1	132.7	5.73	45.01
August 2004	390	53	0.6	132.3	5.72	53.73
September 2004	480	200	0.7	128.5	5.55	58.63
October 2004	400	1.2	0.5	104.5	4.52	56.06
November 2004	400	16	0.4	136.3	5.89	41.79
December 2004	360	73	0.4	118.8	5.13	55.19
January 2005	330	180	0.5	135.6	5.86	54.42
February 2005	380	260	ND	125.0	5.40	47.06
March 2005	370	47	ND	121.5	5.25	60.19
April 2005	350	130	0.4	144.2	6.23	52.3
May 2005	330	190	ND	127.8	5.52	60.8
June 2005	360	1.8	0.5	118.1	5.10	62.6

ND The compound was not detected at the indicated concentration.
ug/L micrograms/Liter
gpm gallons per minute
MGM million gallons per month

TABLE 9
SUMMARY OF BUILDING AIR ANALYTICAL RESULTS - SEPTEMBER 2003
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	BUILDING36	BUILDING26	BUILDING6
Lab Sample Number	4128026	4128027	4128028
Sampling Date	9/23/2003	9/23/2003	9/23/2003
Matrix	AIR	AIR	AIR
Dilution Factor	1.0	1.0	1.0
Units	ppb(v)	ppb(v)	ppb(v)
VOCs (GC/MS)			
Propene	4	4	2
Dichlorodifluoromethane	0.5 J	0.5 J	0.6 J
Chlorodifluoromethane	0.2 U	1	1 U
Trichlorofluoromethane	0.2 J	1	0.3 J
Pentane	3	1 J	0.6 J
Acrolein	1	0.8 J	0.5 U
Acetone	21	18	4
Methylene Chloride	6	0.6 J	0.5 U
Methy t-Butyl Ether	0.8 J	0.8 J	0.2 U
Hexane	0.9 J	0.5 J	0.2 U
2-Butanone	0.9 J	0.5 U	0.5 U
1,1,1-Trichloroethane	0.2 J	0.2 U	0.2 U
Benzene	0.3 J	0.3 J	0.2 J
Heptane	7	0.6 J	0.2 U
Trichloroethene	0.2 U	0.7 J	0.2 U
Toluene	2	2	0.7 J
trans-1,3-Dichloropropene	0.2 J	0.2 U	0.2 U
Tetrachloroethene	0.3 J	0.2 J	0.2 U
Ethylbenzene	0.7 J	0.3 J	0.2 U
m/p-Xylene	2	1	0.5 J
o-Xylene	0.8 J	0.9 J	0.2 U
Styrene	0.3 J	0.2 J	0.2 U
Cumene	0.2 U	0.3 J	0.2 U
4-Ethyltoluene	0.7 J	2	0.2 J
1,3,5-Trimethylbenzene	0.4 J	1	0.2 U
1,2,4-Trimethylbenzene	1	3	0.3 J
1,4-Dichlorobenzene	0.5 J	0.5 J	0.5 U
Total Confident Conc. VOCs	54.7 J	41.2 J	9.4 J

LEGEND

ppb(v) - parts per billion per volume

U - The compound was not detected at the indicated concentration.

J- Compound was detected, but below the limit of quantitation.

VOCs- Volatile Organic Compounds

TABLE 10
BUILDING SUMP ANALYTICAL RESULTS
JUNE 4, 2004
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	New Jersey	TB-6-4-04	FB-6-4-04	BUILDING36	BUILDING26	BUILDING6
Lab Sample Number	Ground Water	534879	534880	534892	534893	534894
Sampling Date	Quality	6/4/2004	6/4/2004	6/4/2004	6/4/2004	6/4/2004
Matrix	Criteria	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)						
Chloromethane	30	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
VinylChloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MethyleneChloride	3^	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Trichlorofluoromethane	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	50^	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	70^	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	6	0.2 U	0.2 U	1.2	0.2 U	0.2 U
1,2-Dichloroethane	2	0.3 U	0.3 U	0.3	5.6	0.3 U
1,1,1-Trichloroethane	30	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
CarbonTetrachloride	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,3-Dichloropropene	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-ChloroethylVinylEther	NA	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Tetrachloroethene	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	1^	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	1,000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	50^	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	700	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Xylene(Total)	1000^	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Confident Conc. VOAs (s)		0	0	1.5	5.6	0
Total Estimated Conc. VOA TICs (s)		0	0	0	0	0

LEGEND

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

NR - Not analyzed.

TABLE 11
PROPOSED WATER MONITORING & SAMPLING SCHEDULE
FORMER LEC SITE
WATCHUNG, NEW JERSEY

PROPOSED SAMPLING LOCATIONS		SAMPLING MONTH	ANALYTICAL PARAMETERS
Surface Water:	SW-1, SW-2, SW-3, SW-4	March/September	VOC+10
Background Wells:	505A,B; 507B; 508A; 532A	March	VOC+10
Plume Wells:	502A,B; 506A,B; 507A; 508B; 546A; 549B,C; 550B,C	March/September	
Compliance Wells:	P522A,B,C; 544A,B,C; 545A,B,C	March/September	

APPENDIX A

Contour Map Reporting Forms

APPENDIX B

Monitoring Well Certification Forms B

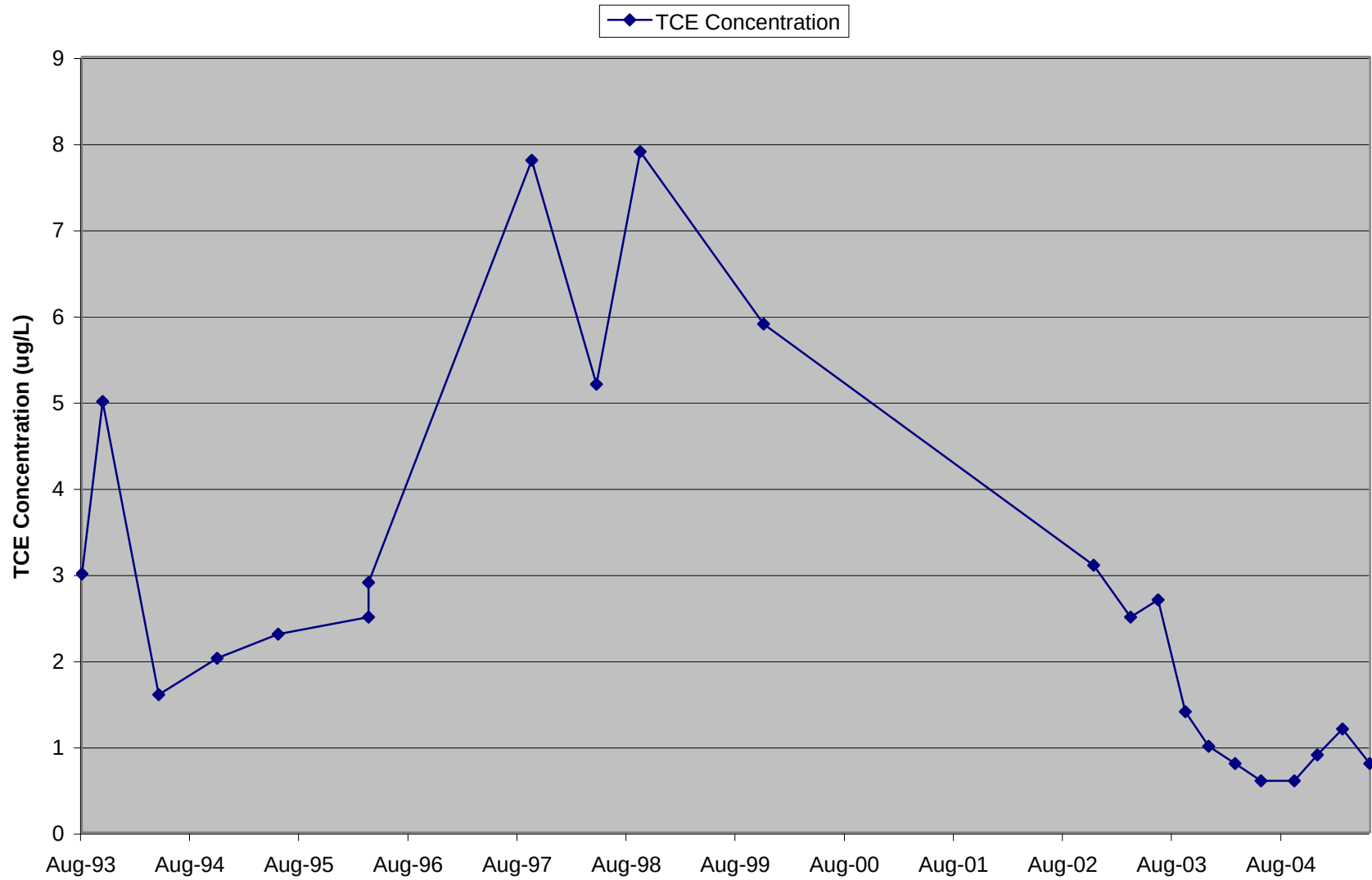
APPENDIX C

Monitoring Well Field Sampling/Information Sheet

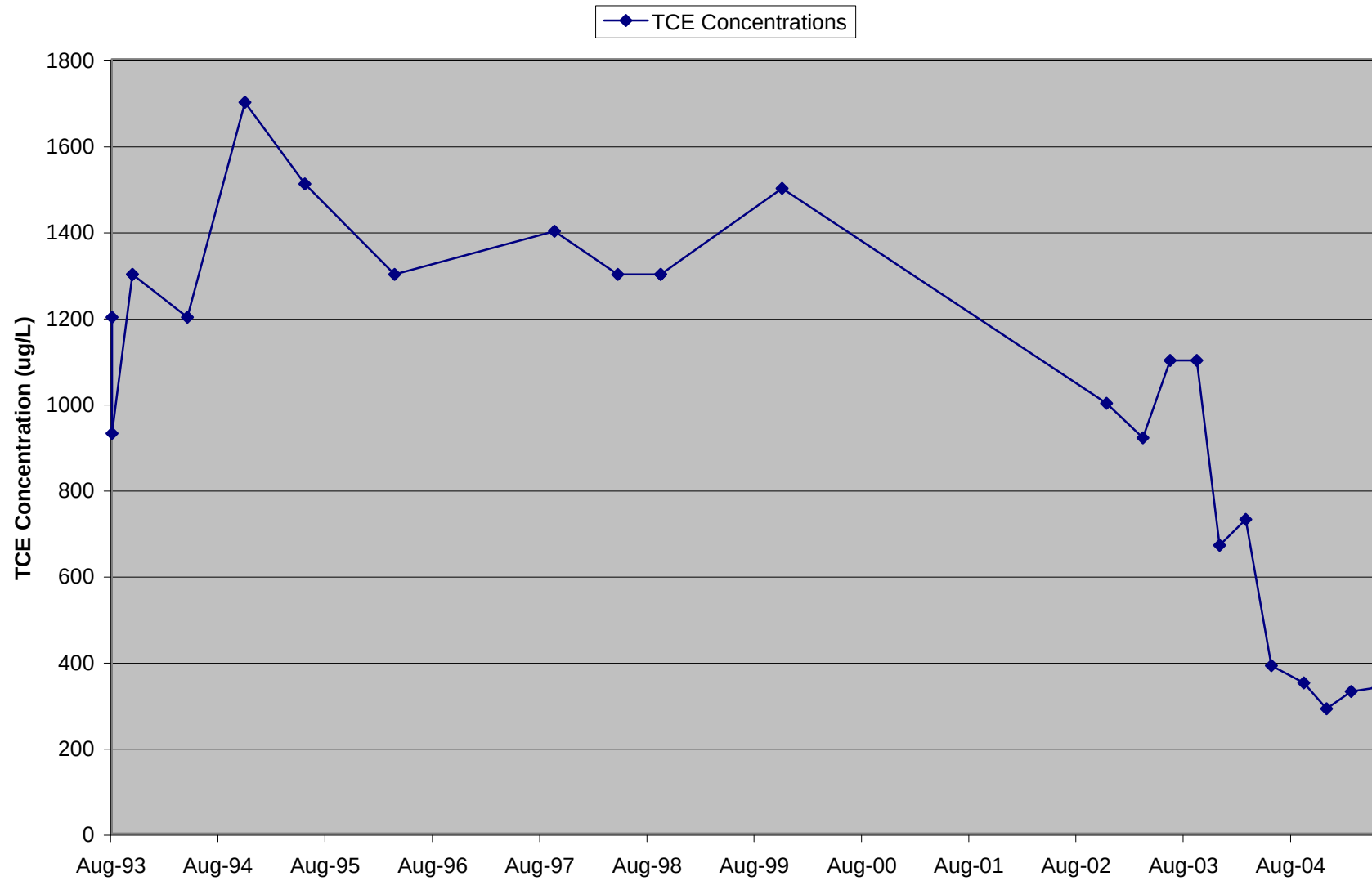
APPENDIX D

Plots of TCE Concentrations Versus Time for Selected Monitoring Wells

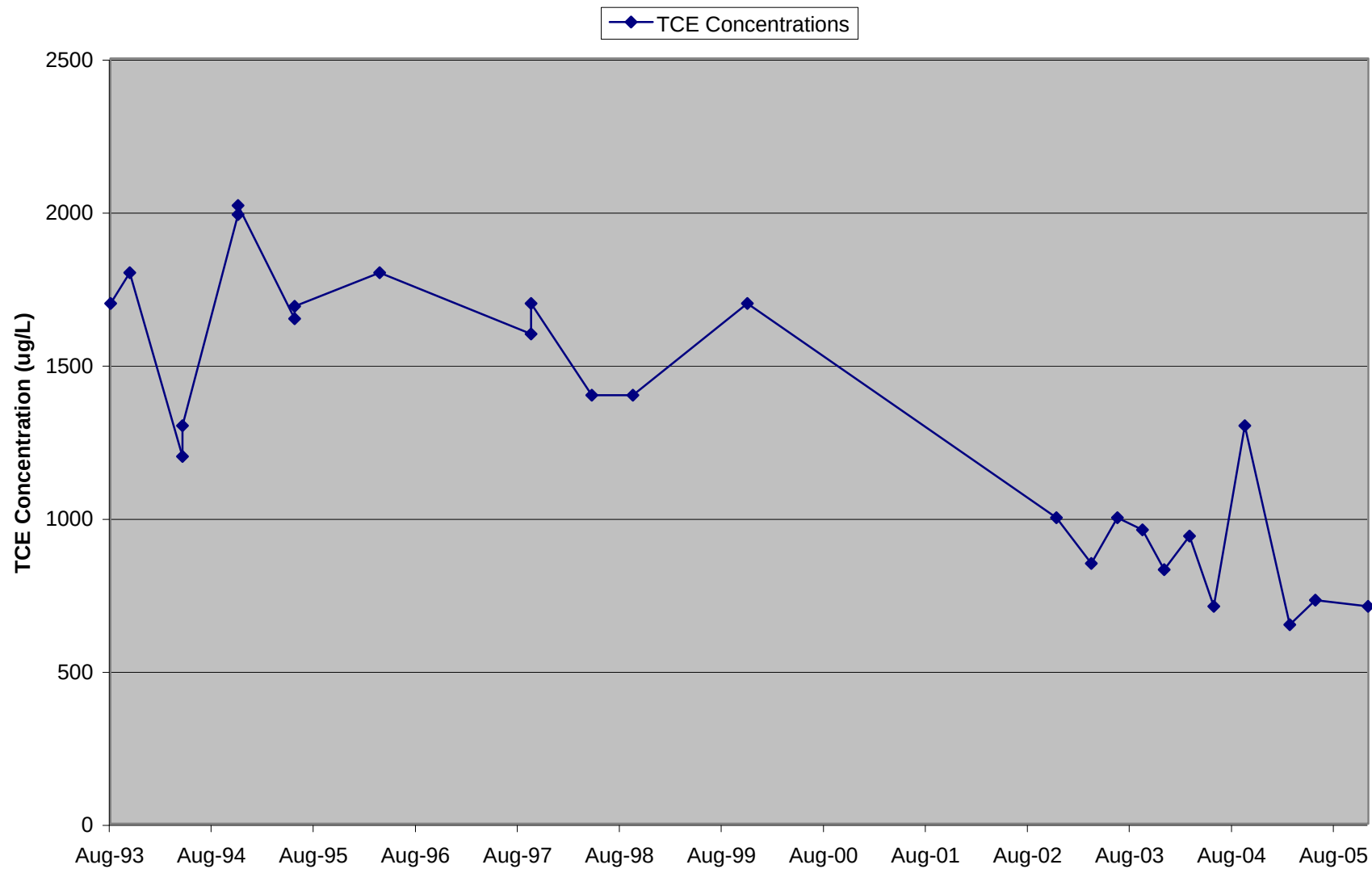
Well MW-502A
Historical TCE Concentrations



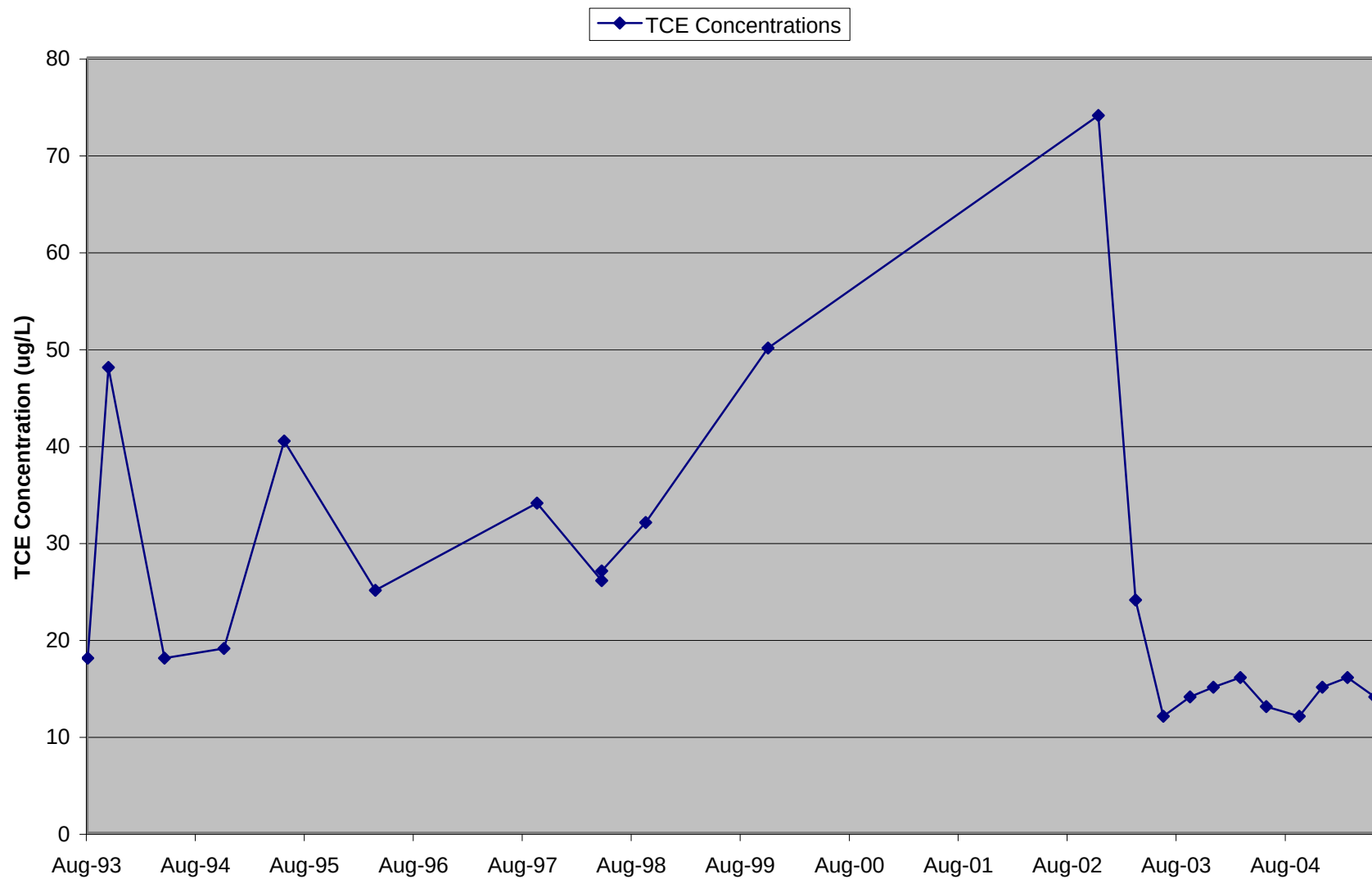
Well MW-502B
Historical TCE Concentrations



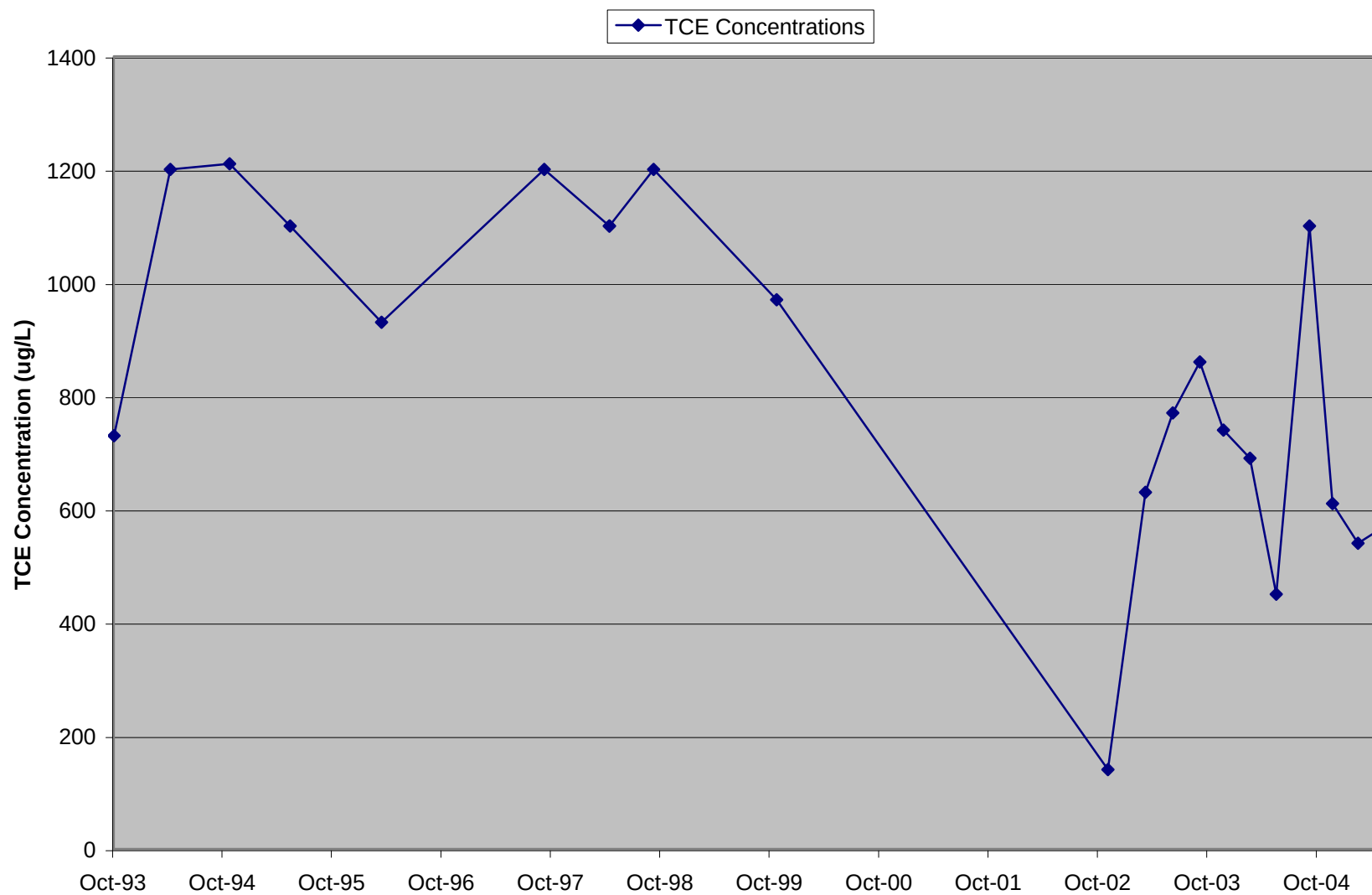
Well MW-506A
Historical TCE Concentrations



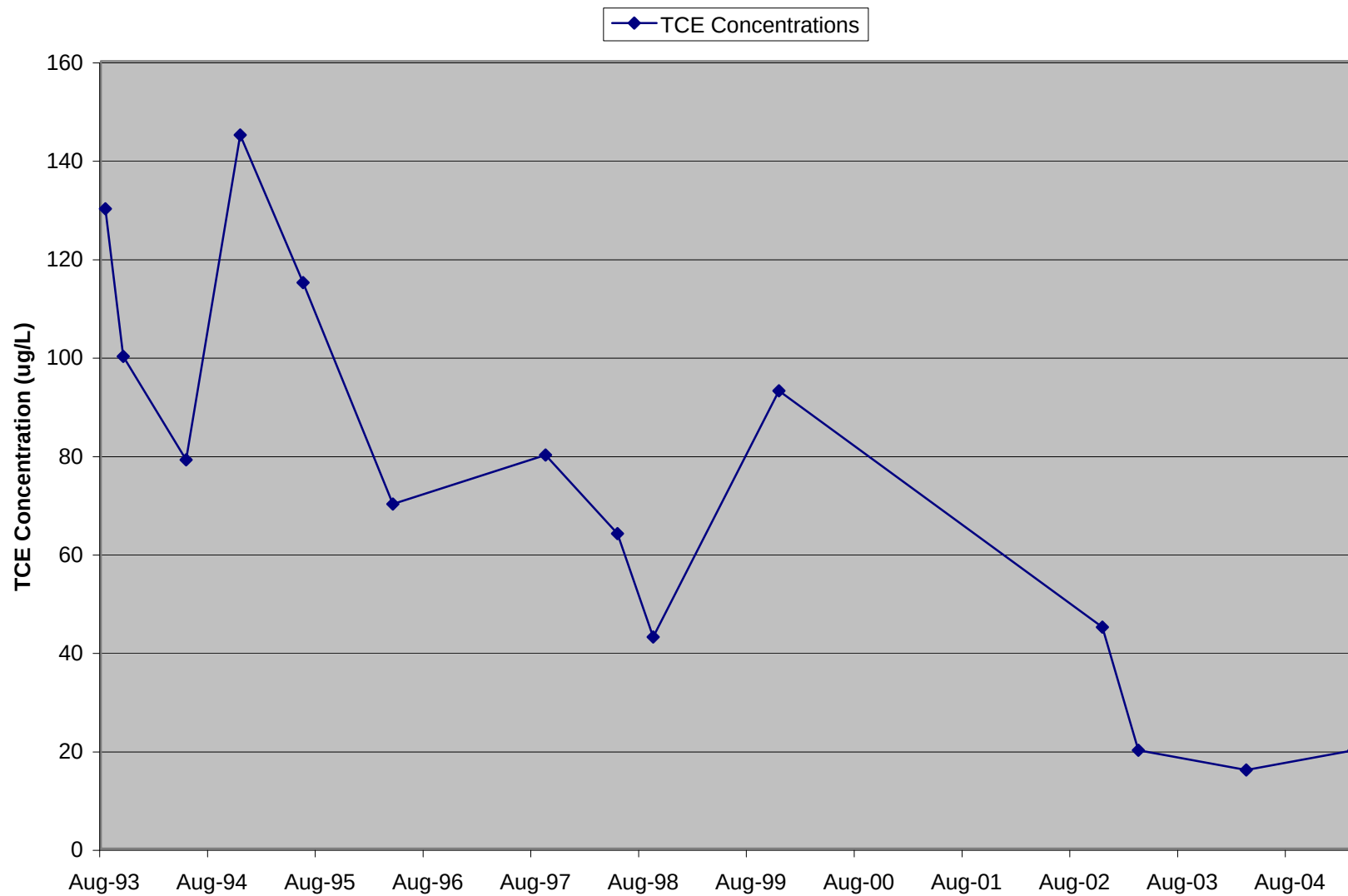
Well MW-506B
Historical TCE Concentrations



Well MW-507A
Historical TCE Concentrations

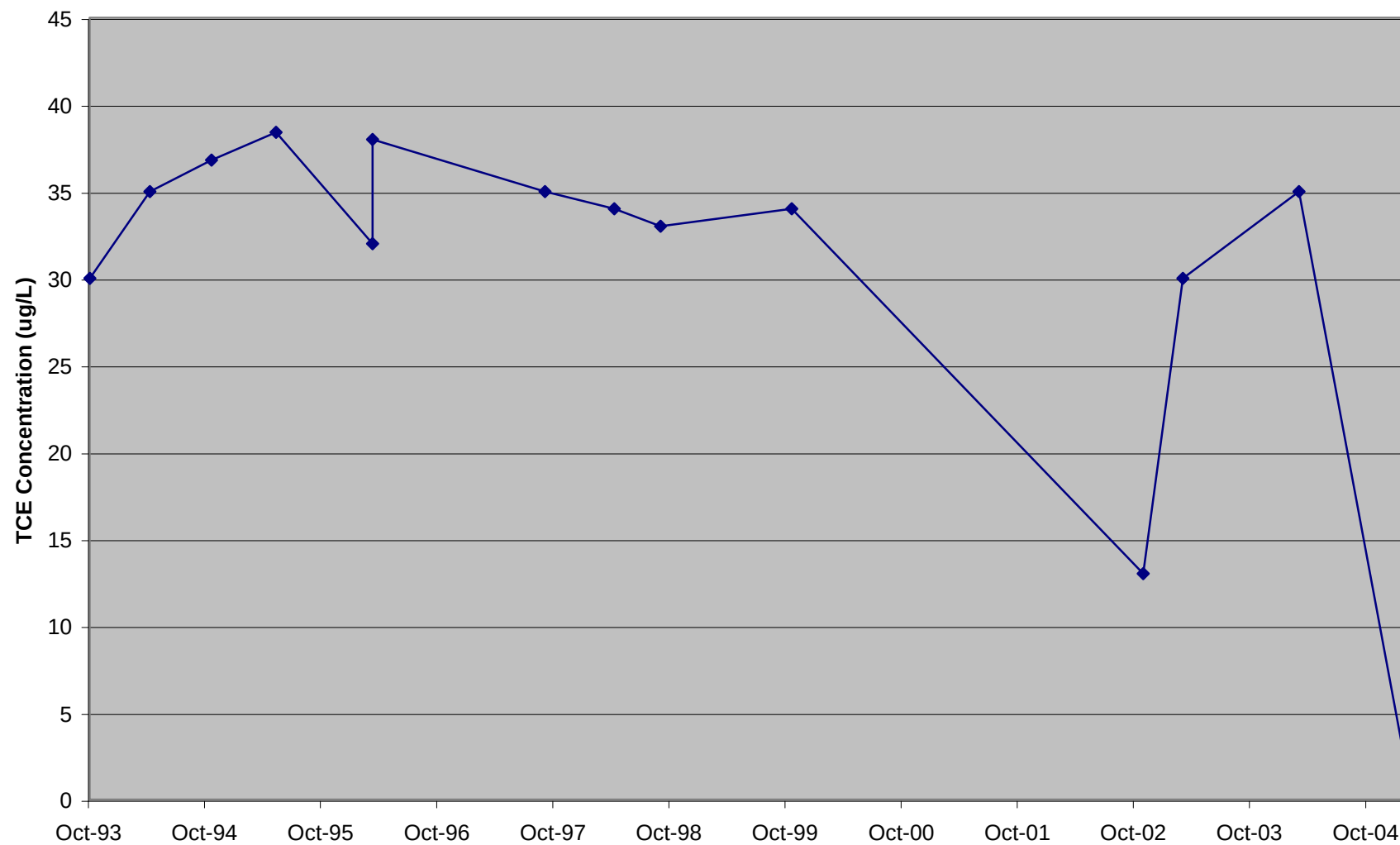


Well MW-507B
Historical TCE Concentrations

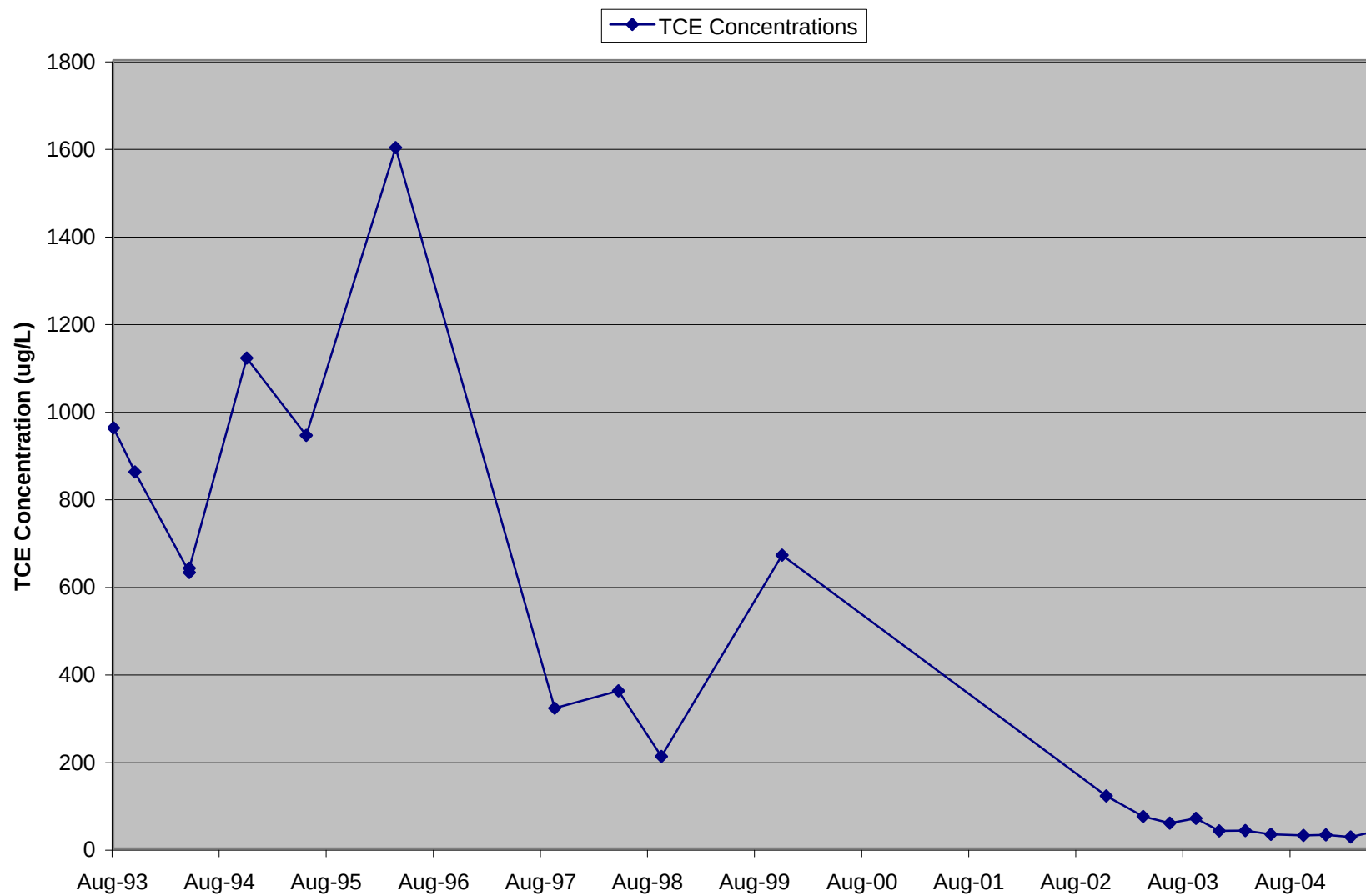


Well MW-508A
Historical TCE Concentrations

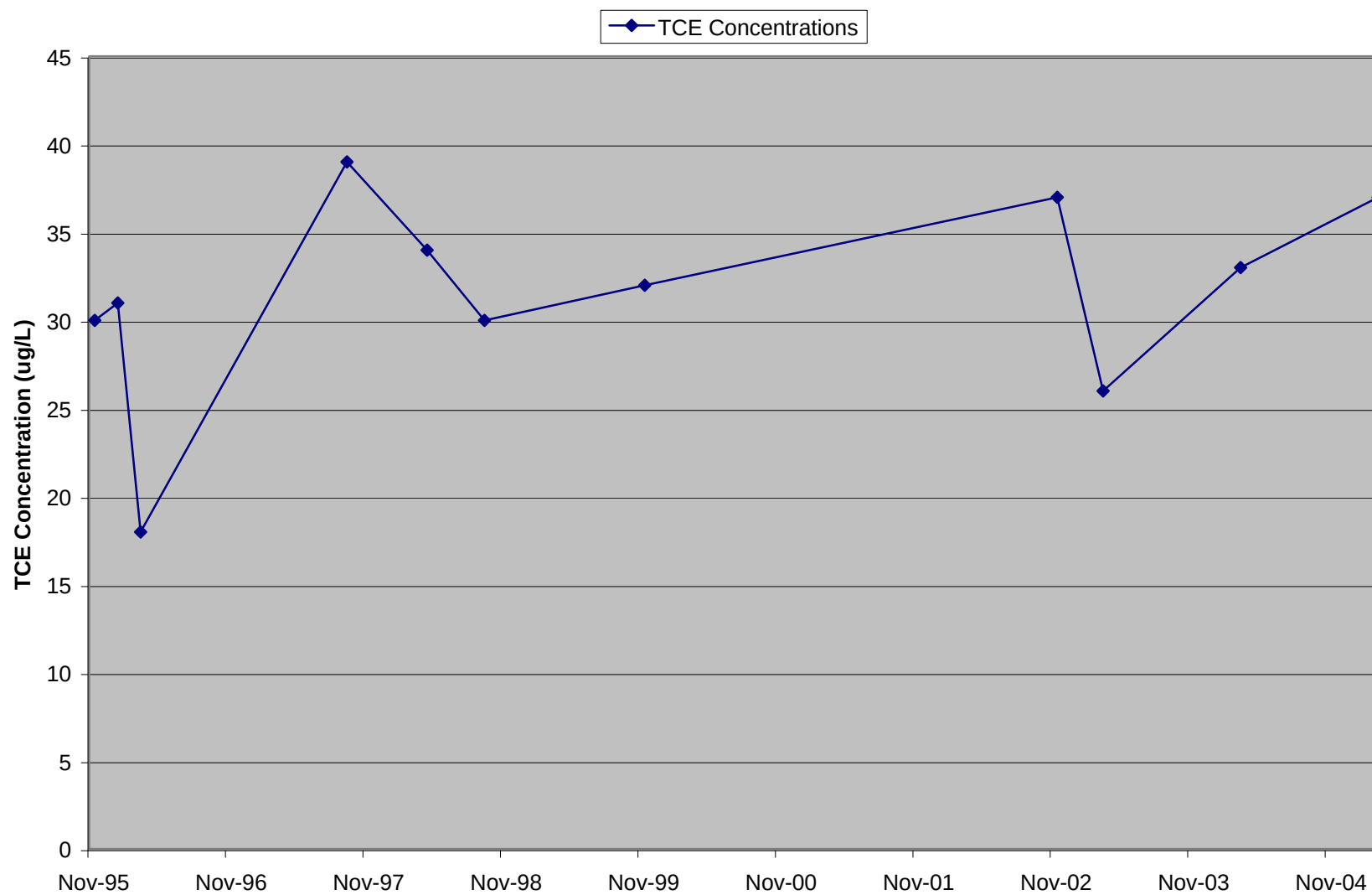
—◆— TCE Concentrations



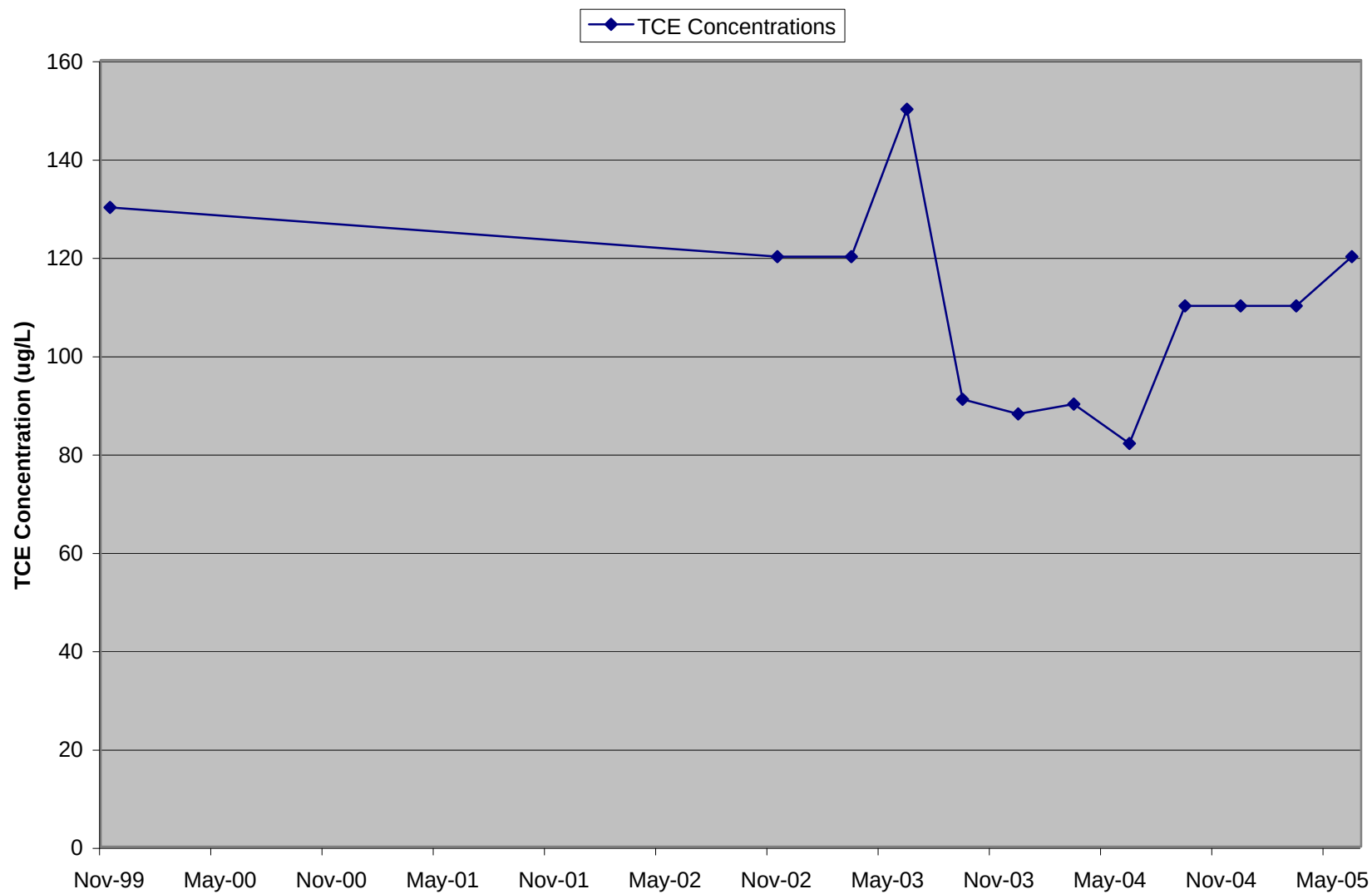
Well MW-508B
Historical TCE Concentrations



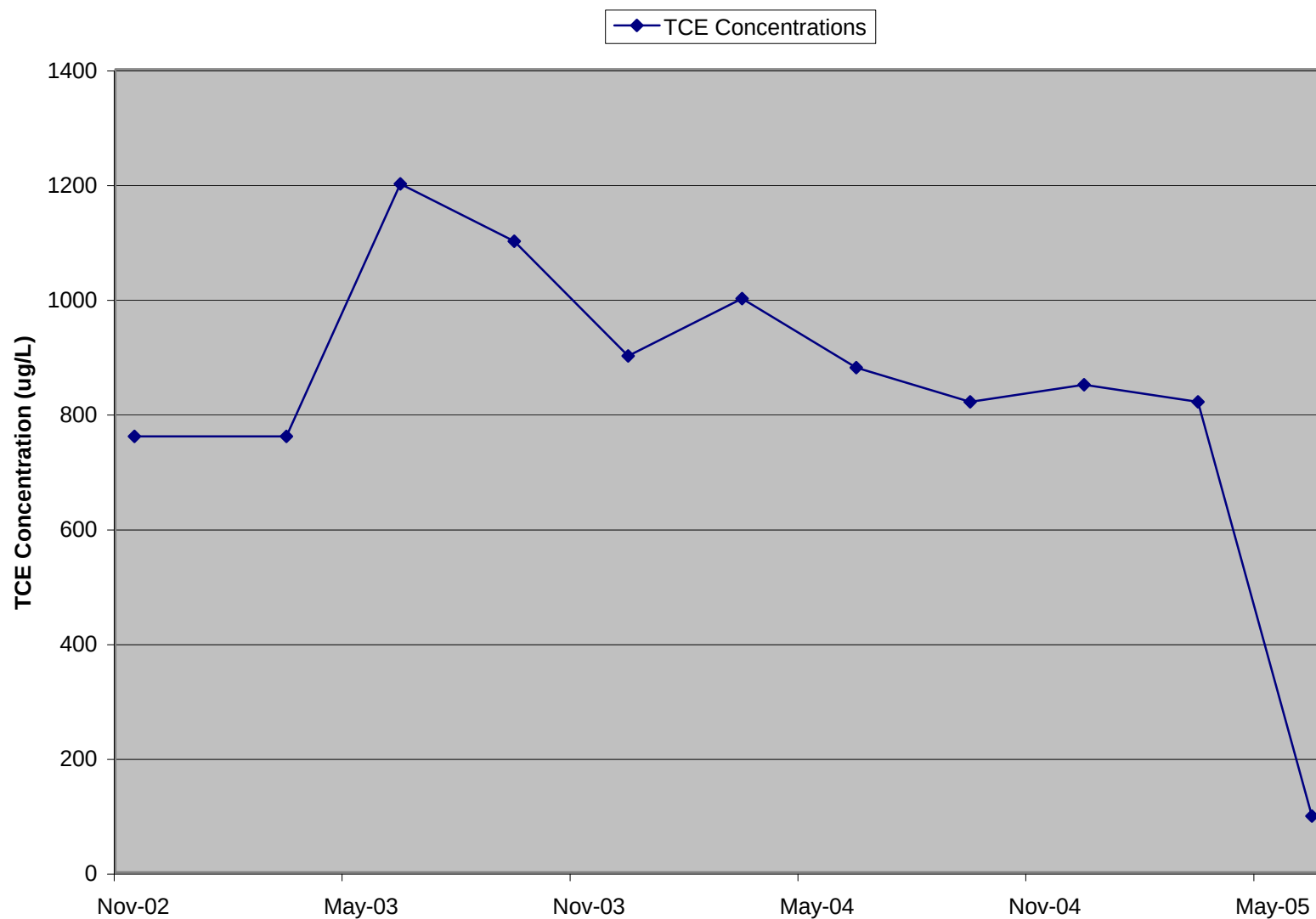
Well MW-532A
Historical TCE Concentrations



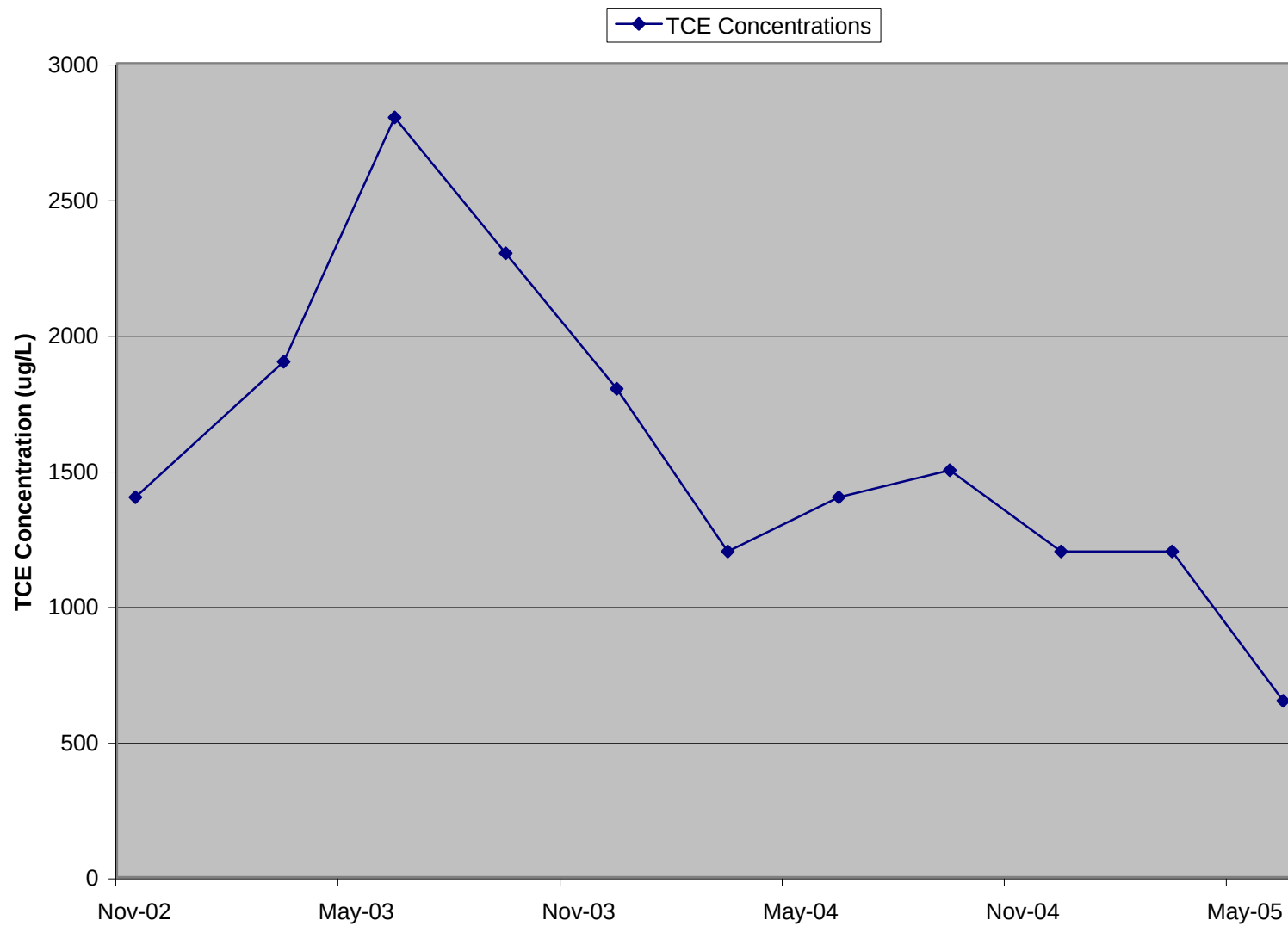
Well MW-546A
Historical TCE Concentrations



Well MW-549A
Historical TCE Concentrations



Well MW-549B
Historical TCE Concentrations



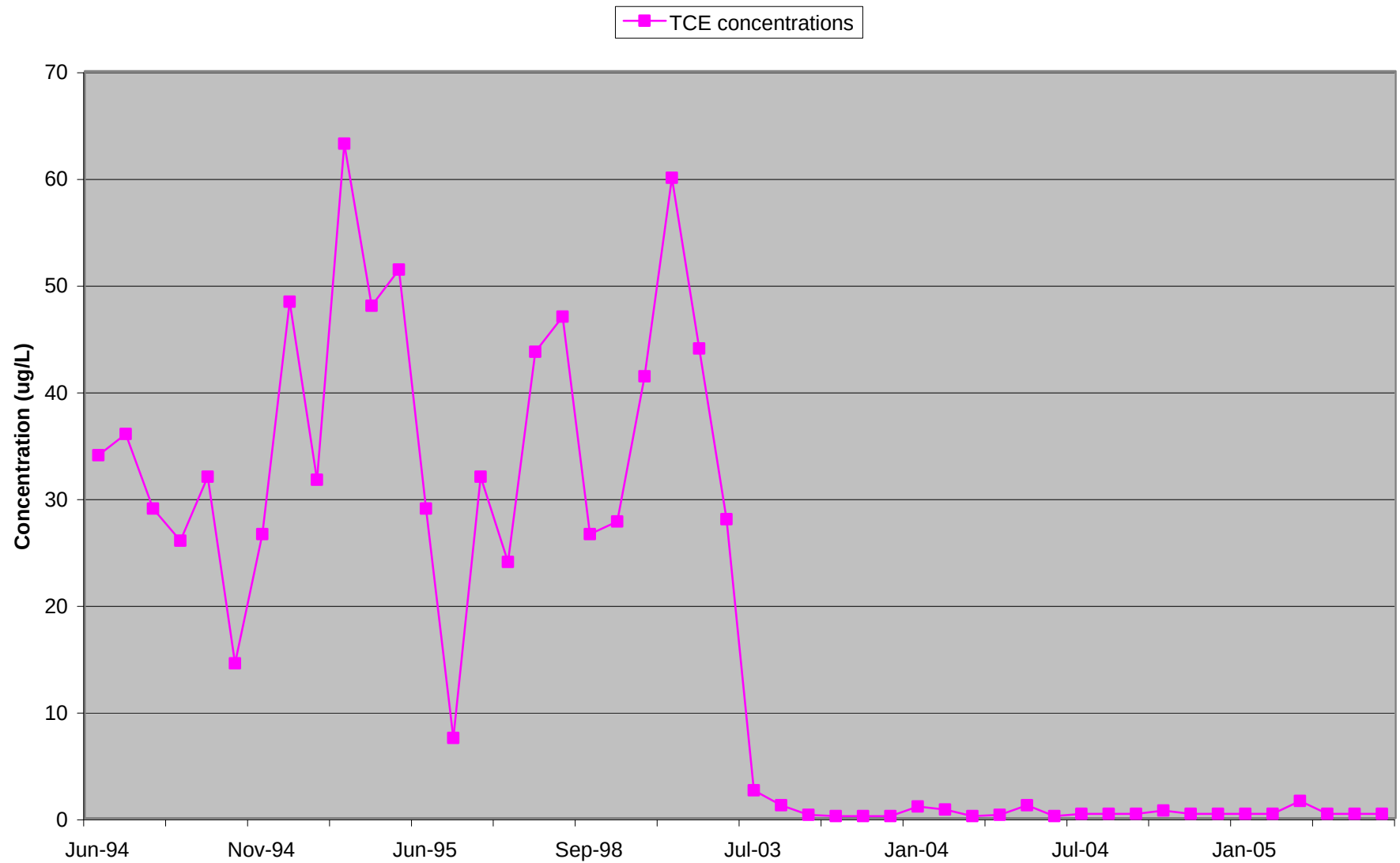
APPENDIX E

Stream Field Measurements

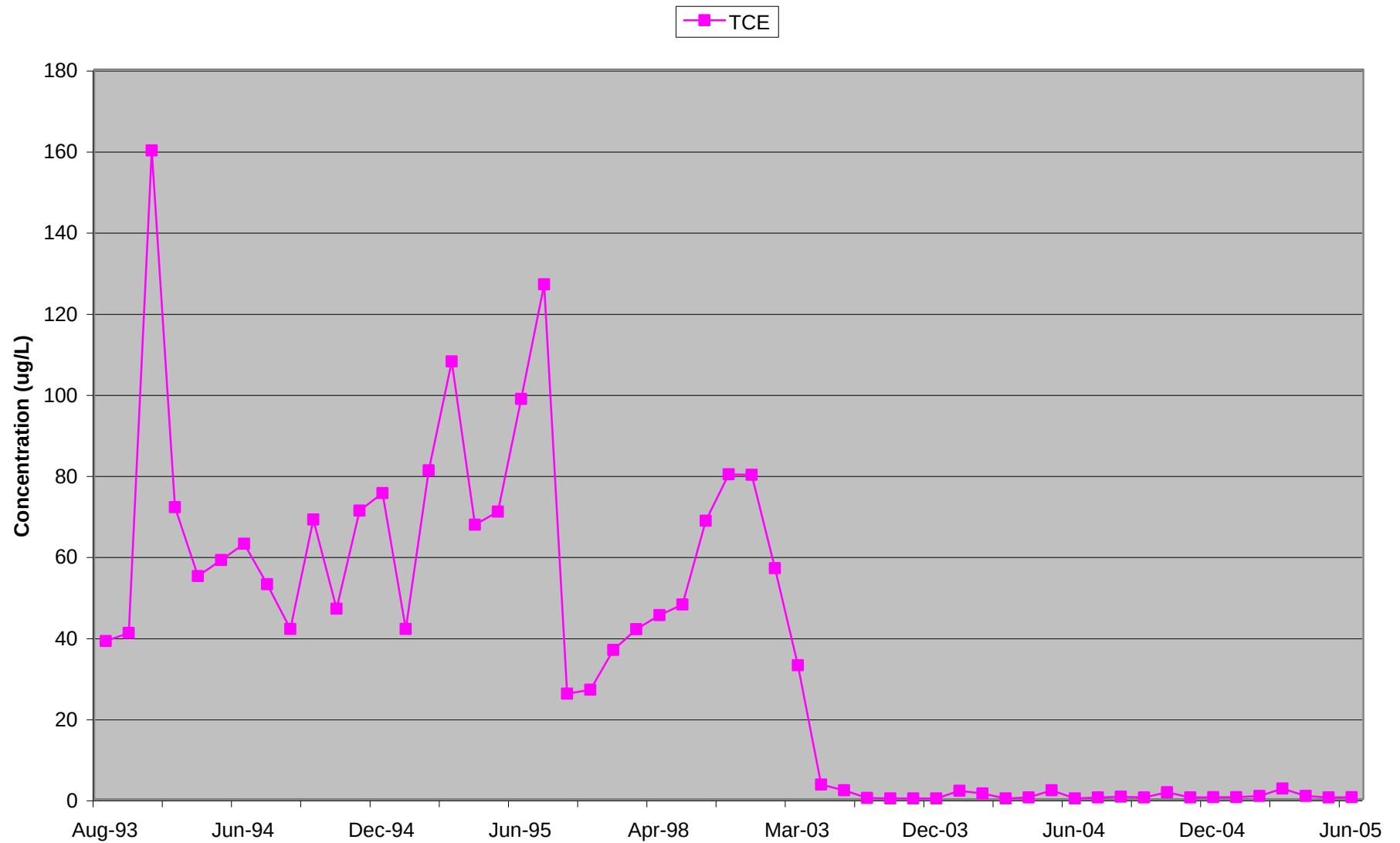
APPENDIX F

Plots of TCE Concentrations Versus Time for Stream Locations

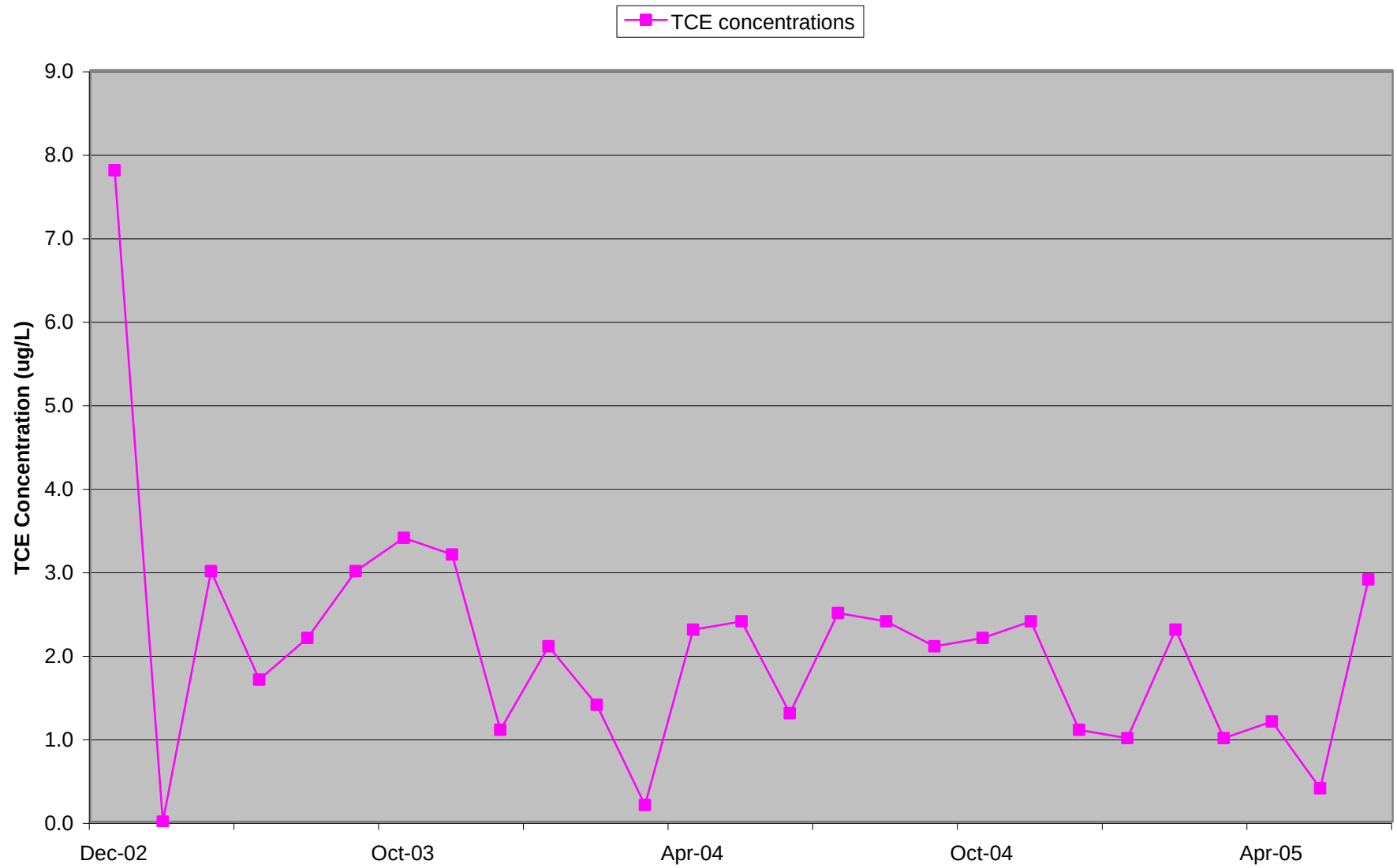
Historical TCE concentrations at Stream Location SW-3



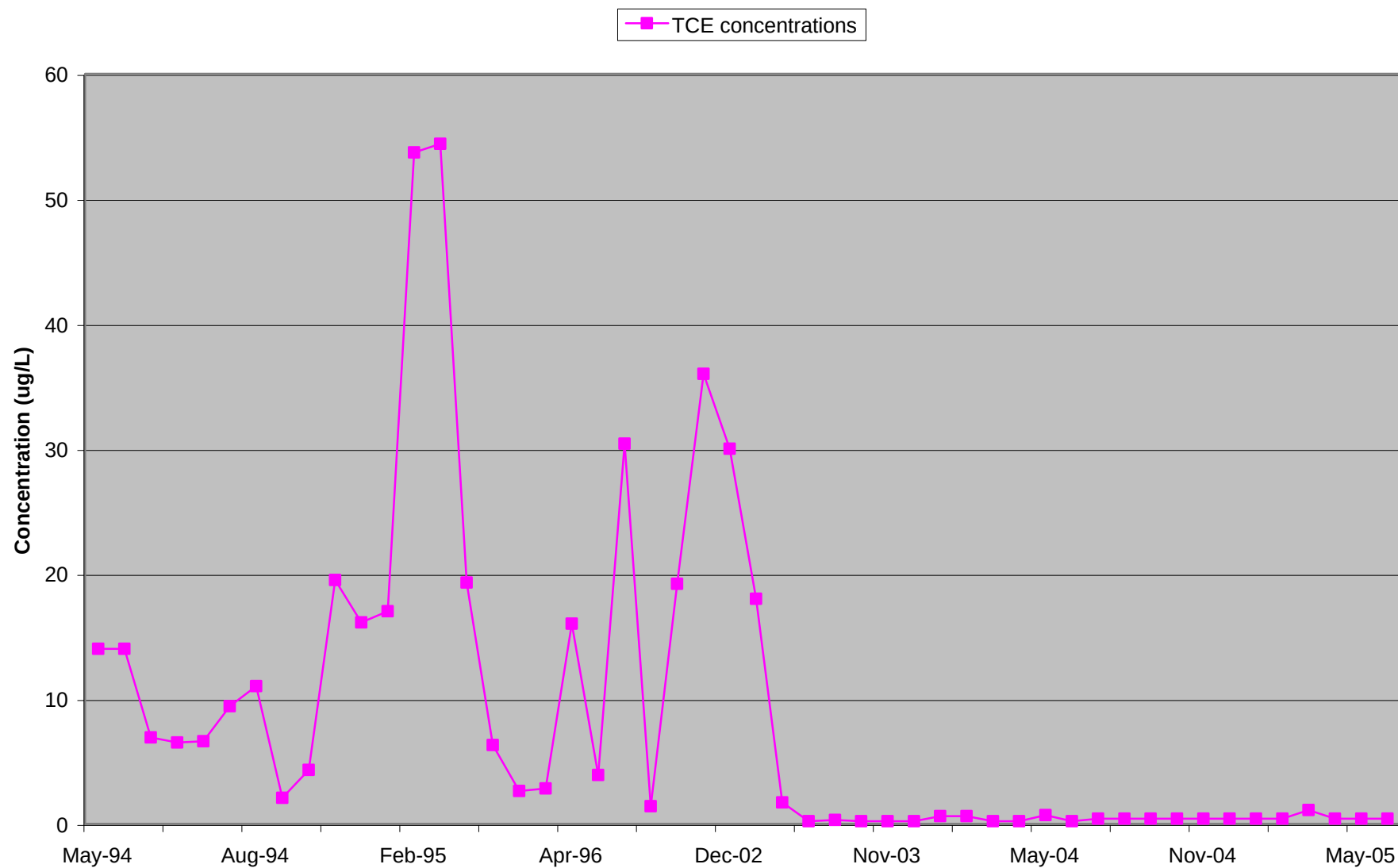
Historical TCE concentrations at Stream Location SW-2



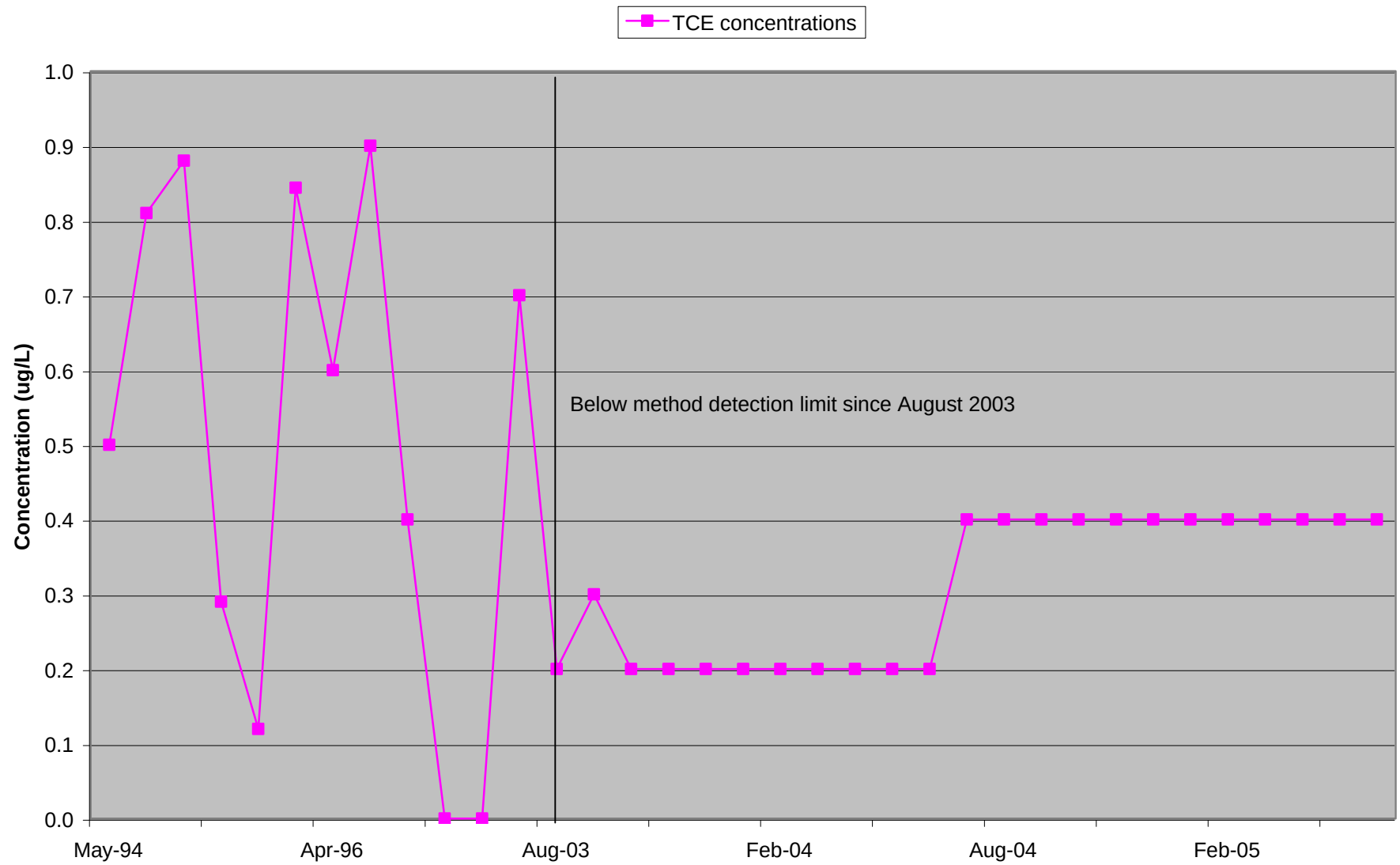
Historical TCE Concentrations at Stream Location SW-12



Historical TCE concentrations at Stream Location SW-4



Historical TCE concentrations at Stream Location SW-1



APPENDIX G

General Remediation Permit (NJG0105899)