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 2006

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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 o f 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 _____

Company _____

Sworn to and subscribed before me on this
_____ day of October 2006.

_____

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 operating as the Watchung Square Mall). Figure 1 is a portion of the USGS Chatham, NJ 7.5 Minute Quadrangle depicting the 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 on the northeast corner of Route 22 and North Drive. Extracted ground water is treated by granular activated carbon in a treatment plant located on the NJDOT-owned land adjacent to North Drive, and discharged to Crab Brook in accordance with NJPDES permit No. NJ0105899G. The GWES has worked almost 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.

The last progress report, submitted in October 2005, presented data collected through June 2005. Several sampling activities have occurred since the last report submittal. Quarterly ground water sampling and monthly stream sampling were reduced to semi-annually as approved by the NJDEP in December 2005. The approved sampling schedule is provided as Table 1. Section 2 of this report presents the results of the semiannual ground water sampling events conducted in September/October 2005 and March 2006. Results from the July through November 2005 and March 2006 stream sampling events are presented in Section 3. Section 4 contains monthly system performance results and provides an overview of the GWES.

2.0 GROUND WATER MONITORING AND SAMPLING ACTIVITIES

2.1 September/October 2005 Ground Water Sampling Event

A ground water monitoring and sampling event was conducted in September 2005 in accordance with the sampling schedule presented in Table 1. Several wells (MW-549A, MW-549B, and MW-506B) could not be sampled during the September 2005 event due to obstructions and were sampled in October 2005. Results for the sampling events are presented in the sections below.

2.1.1 Water-Level Measurements (September/October 2005)

Water level measurements were collected on September 7, 2005 in selected monitoring wells associated with the Site. Table 2 provides depth to water (DTW) measurements and water level elevations for this sampling event.

The water level elevations were used to prepare ground water contour maps. Ground water flow directions for the water table (overburden/shallow bedrock) zone, the intermediate bedrock zone, and the deeper bedrock zone are depicted on Figures 3 through 5, 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 significantly 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. Contour Map Reporting Forms are presented in Appendix A.

2.1.2 Ground Water Sample Collection (September/October 2005)

Analytical results for the ground water samples collected during this quarterly event 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 event are discussed in Section 2.3.

At each sampled well location, TRC collected the samples from the passive diffusion bags (PDBs) at selected intervals in the wells and filled the appropriate bottleware for analysis of volatile organic

compounds (VOC+10) using EPA Method 624+10. The samples were submitted to STL Edison (STL) for analysis.

2.1.3 Summary of Ground Water Results (September/October 2005)

The highest TCE concentrations reported during this event were in on-site wells MW-549A and MW-549B with concentrations of 1,100 µg/L in well MW-549A and 1,300 µg/L in well MW-549B. These two wells are located closest to the former source area and are hydraulically upgradient from the pumping wells. Off-site wells MW-502B, MW-506A, MW-507A, MW-550B, and P-522A all contained TCE concentrations in excess of 200 µg/L. These wells are located closest to the pumping well RW-1, within the plume. Downgradient well clusters, including the MW-544 and MW-545 wells, reported single digit or non-detectable concentrations of TCE, the contaminant of concern for the Lockheed site.

Historical TCE results for the sampled wells are presented in Table 5, and Figure 6 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 plume and compliance wells were sampled during this quarter. The plume 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 most plume wells with some concentration fluctuations. The wells designated as compliance wells have also 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.

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.

2.2 March 2006 Ground Water Sampling Event

A ground water monitoring and sampling event was conducted in March 2006 in accordance with the sampling schedule presented in Table 1. This event included wells sampled on an annual basis. Results for the sampling events are presented in the sections below.

2.2.1 Water-Level Measurements (March 2006)

Water level measurements were collected on March 6, 2006 in selected monitoring wells associated with the Site. Table 2 provides depth to water (DTW) measurements and water level elevations for this sampling event. Ground water elevation maps are provided in Figures 6, 7 and 8. The Contour Map Reporting Forms are presented in Appendix A.

The ground water flow pattern for the March event is similar to the September event, and is consistent with the last several years of ground water elevation data. Aside from elevation differences associated with precipitation patterns, the ground water flow regime is strongly influenced by the pumping well and has not changed over the last several years of system operation.

2.2.2 Ground Water Sample Collection (March 2006)

Analytical results for the ground water samples collected during this quarterly event 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 event are discussed in Section 2.2.3.

2.2.3 Summary of Ground Water Results (March 2006)

The highest TCE concentrations reported during this event were in source wells MW-549A (990 µg/L) and MW-549B (1,400 µg/L). Concentrations of contaminants in the other sampled wells are consistent with the September results.

3.0 SURFACE WATER MONITORING AND SAMPLING ACTIVITIES

3.1 Surface Water Monitoring and Sampling

From July 2005 through November 2005, surface water samples were collected monthly from five locations: SW-1, SW-2, SW-3, SW-4, and SW-12. However, during the August and September events, no sample was collected from location SW-1 since there was no running water. 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 C.

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 7. 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 7. 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 D). 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 ground water containing TCE to Crab Brook. TCE concentrations in surface water locations SW-2, SW-3, and SW-4 were non-detect during this monitoring period. 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.

The sample collected at location SW-12 is 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 suggest the presence of a PCE source in this area. The approved revised monitoring plan eliminates this sampling point due to the presence of other sources and the distance from the Lockheed site.

4.0 SYSTEM PERFORMANCE MONITORING AND SAMPLING

Ground water is pumped continuously from extraction well RW-1 at an average rate of approximately 130 gpm. The interceptor trench has a sump with a pump which is controlled by a level sensor. When the water level in the trench rises, the pump is started and remains on until the level declines. Normally, the cone of depression formed by the extraction well maintains a low water level and the pump in the interceptor trench is off; heavy precipitation is generally the trigger for this pump.

The discharge to Crab Brook is monitored pursuant to NJPDES permit No. J0105899G. The original permit was an individual permit which required monthly effluent samples, to be analyzed for VOC+10, lead, chemical oxygen demand (COD) and total suspended solids (TSS). 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. The whole effluent toxicity testing has also been reduced from two species to one species. In addition to the quarterly NJPDES sampling, 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.

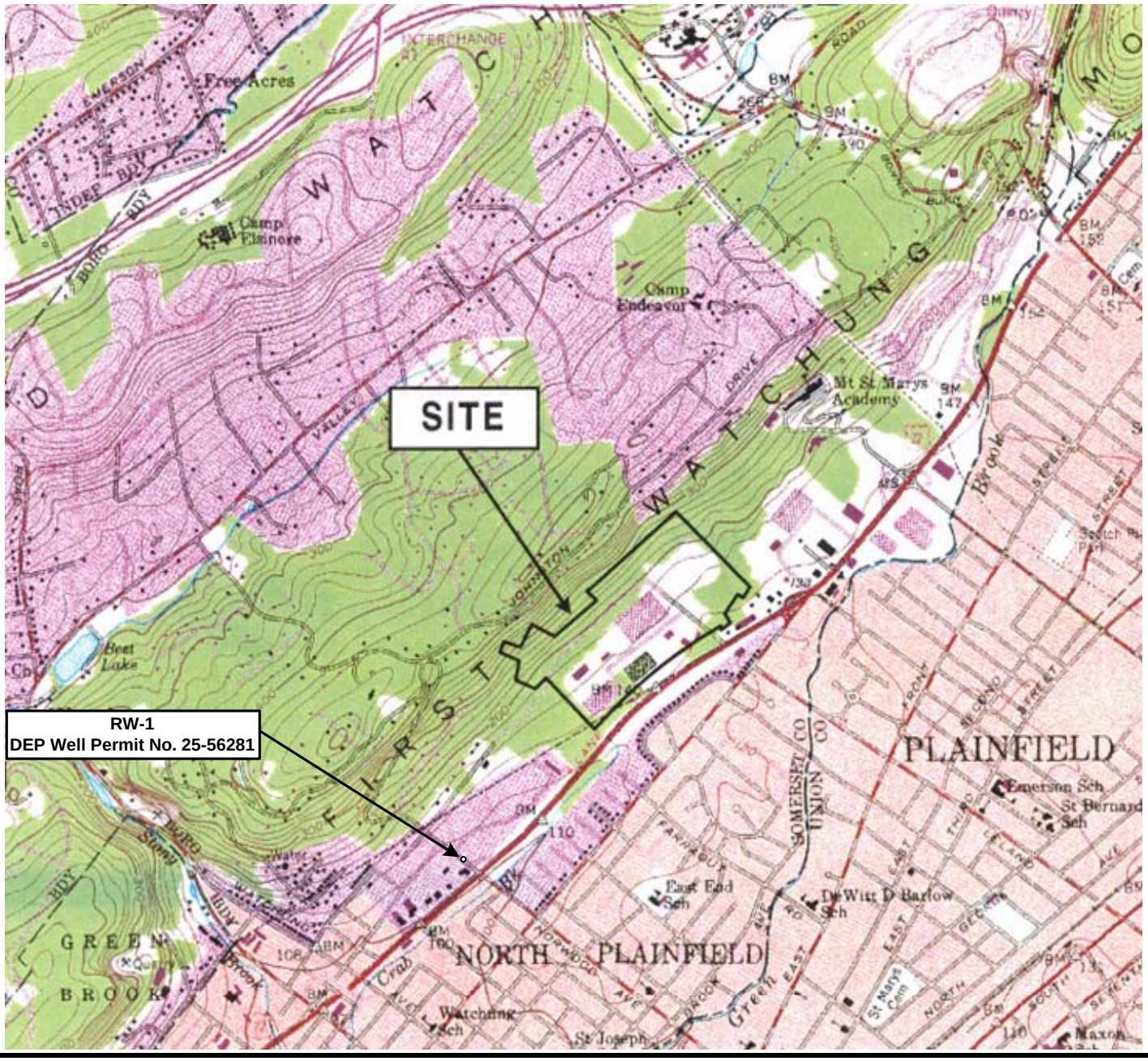
Performance sampling results are presented in Table 8. Influent TCE concentrations for this reporting period ranged from 180 µg/L in February 2006 to 360 µg/L in June and July 2005. Initial concentrations during the pumping test on the extraction well were nearly 1,000 µg/L. Effluent TCE concentrations have never exceeded 1.0 µg/L during the reporting period , which is well below the NJPDES permit limit for TCE of 5.4 µg/L.

5.0 CONCLUSIONS

Based upon the information provided in this progress report, the ground water extraction system at the former Lockheed site continues to function as designed. The discharge of contaminated ground water to Crab Brook is negligible, the ground water plume is being captured by the treatment system, and concentrations of contaminants are generally continuing to decline. The treatment plant is operating efficiently and no discharge permit limits have been exceeded.

The next annual report will be submitted in May 2007, and will cover monitoring and remedial activities through March 2007.

FIGURES



SOURCE: U.S.G.S. CHATHAM, NJ
7.5 MINUTE QUADRANGLE

0 1000 2000
SCALE IN FEET

N

Site Location Map		
Former Lockheed Electronics Company, Inc.		
Watchung		New Jersey
Scale as Shown		TRC
FIGURE NUMBER 1	PROJECT NUMBER 2542	

LEGEND

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

0 1000 ft.
APPROXIMATE SCALE

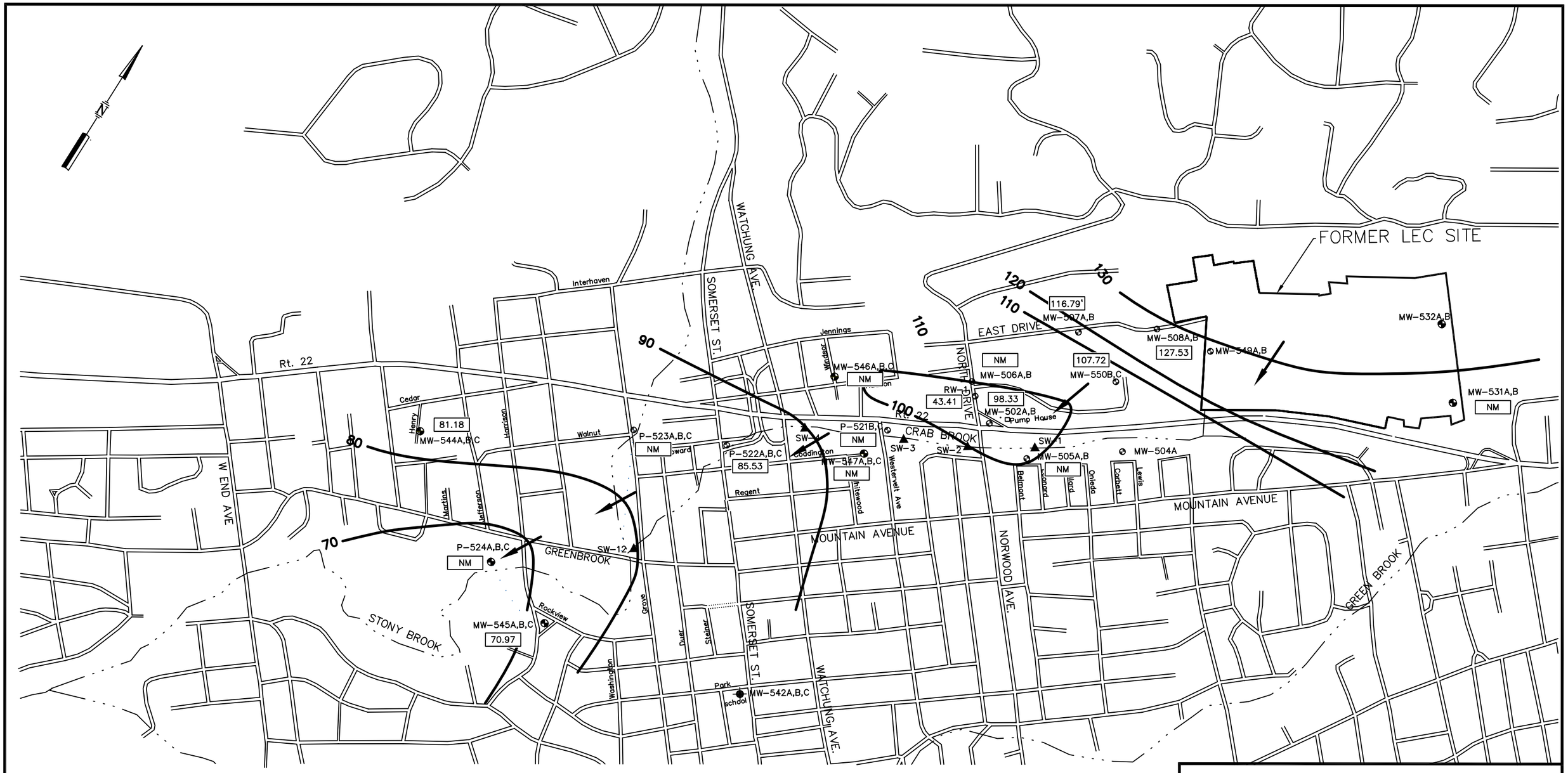
TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 2
SITE PLAN

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

2542-1 7/21/05



LEGEND

- ● ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- [81.18] 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

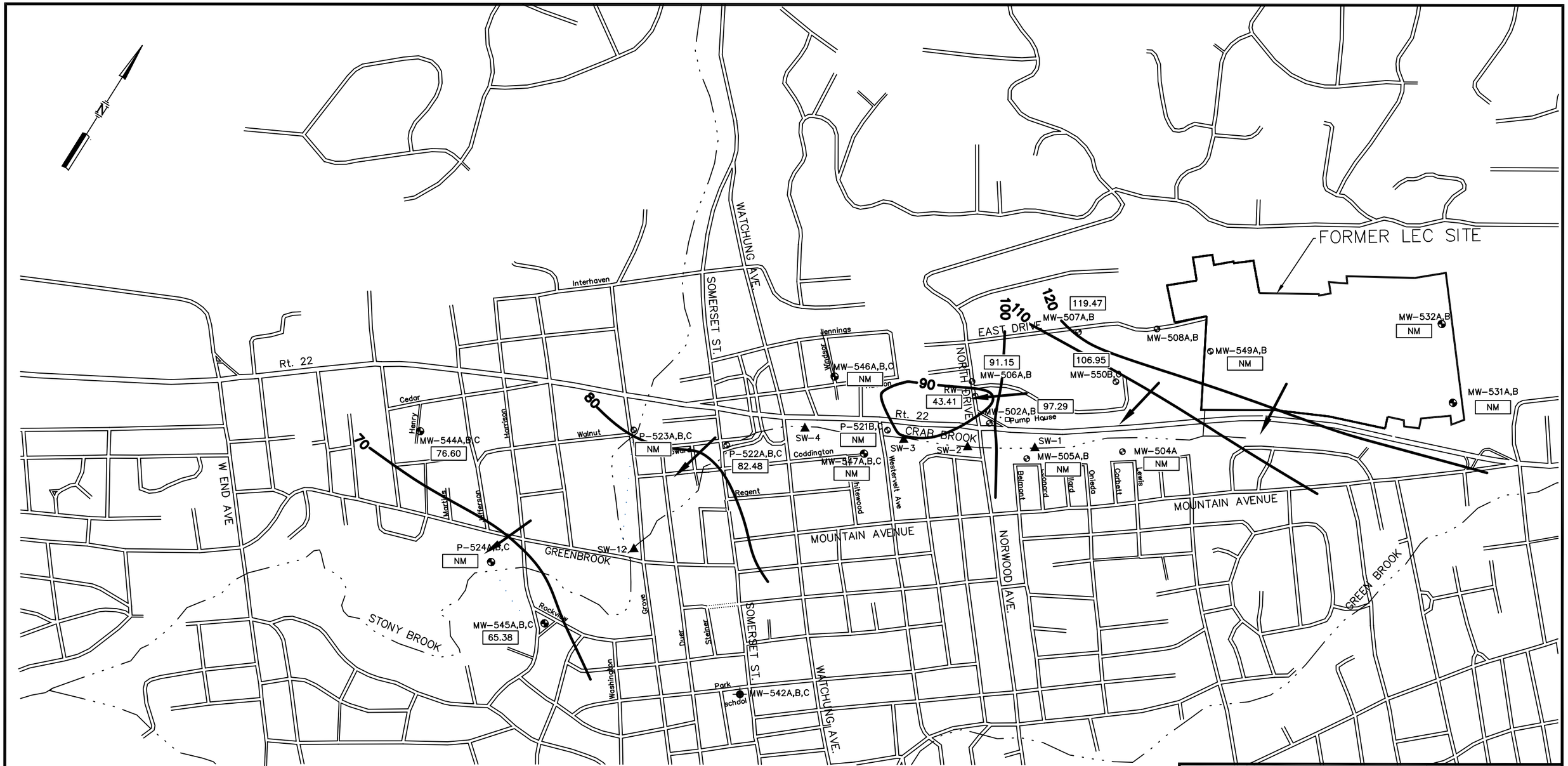
TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 3
SHALLOW ZONE ELEVATION MAP (9/7/05)

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

GWE-SHALLOW-090705 7/27/05



LEGEND

- ● ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 76.60 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 4
INTERMEDIATE ZONE ELEVATION MAP (09/07/05)

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

GWE-INTERMEDIATE-090705

LEGEND

- ● ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 74.08 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

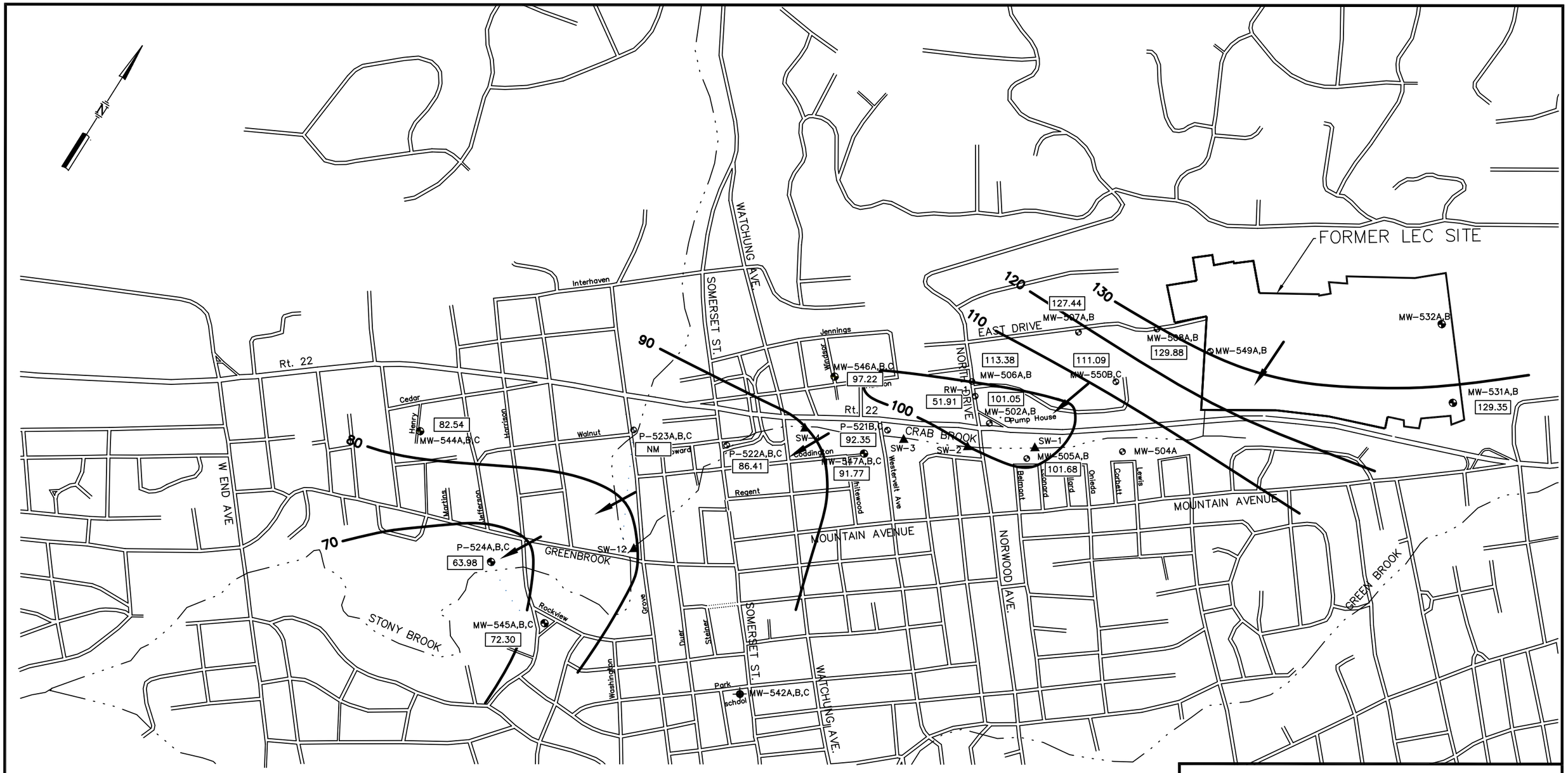
TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 5
DEEP ZONE ELEVATION MAP (09/07/05)

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

GWE-DEEP-090705



LEGEND

- ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW–1 SURFACE WATER MONITORING LOCATION
- 72.30 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 6
SHALLOW ZONE ELEVATION MAP (03/06/06)

Date: 4/17/2006 | **Project No.** E9201–9303–00000

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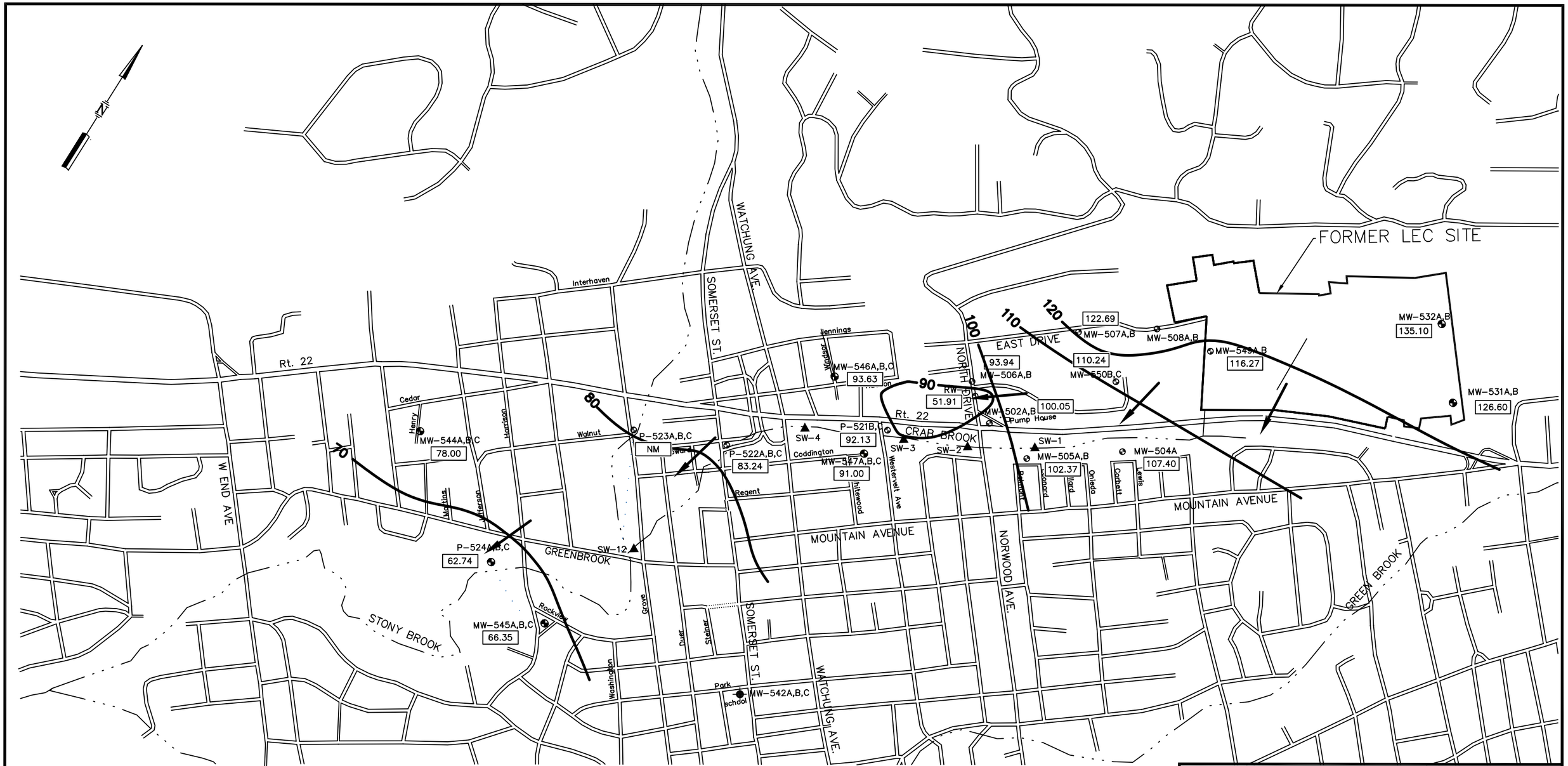
2542–7



LEGEND

- ● ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 78.00 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 7
INTERMEDIATE ZONE ELEVATION MAP (03/06/06)

Date: 4/17/2006 | **Project No.** E9201-9303-00000

2542-8

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LEGEND

- ● ACTIVE MONITORING WELL OR PIEZOMETER
- ▲ SW-1 SURFACE WATER MONITORING LOCATION
- 63.77 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
- NM NOT MONITORED

0 1000 ft.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 8
DEEP ZONE ELEVATION MAP
(03/06/06)

Date: 4/17/2006 | **Project No.** E9201-9303-00000

2542-6

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MW-506A										
DATE	9/23/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/17/2006
TCE	960	830	940	710	1300	710	650	730	620	700
PCE	3.1 U	3.1 U	3.1 U	1.6 U	3.6 U	2.0	1.8 U	2.2 U	4.5U	2.2U
TTVOC	971	836	940	717	1313	722	657	738	626	705
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-506B										
DATE	9/23/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/7/2006
TCE	14	15	16	13	12	15	16	14	36	12
TTVOC	14	15	16	13	13	16	17	14	36	12.7
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-546A										
DATE	9/24/2003	12/11/2003	3/9/2004	6/4/2004	9/24/2004	12/9/2004	3/4/2005	6/3/2005	9/8/2005	3/7/2006
TCE	91	88	90	82	110	110	110	120	130	150
TTVOC	94	91	93	85	114	115	114	124	134.1	155.2
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-544A						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TTVOC	0.8	ND	ND	ND	ND	ND
TNTVOC	ND	ND	ND	ND	ND	ND

MW-544B						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TTVOC	0.6	0.8	0.6	ND	0.6	0.7
TNTVOC	ND	ND	ND	ND	ND	ND

MW-544C						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TCE	1.3	1.8	1.3	1.8	1.2	1.5
PCE	4.0	4.6	3.1	3.0	2.2	1.9
TTVOC	5.3	7.3	5.4	4.8	4.1	4.4
TNTVOC	ND	ND	ND	ND	ND	ND

P-522A						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TCE	3.8	3.0	3.6	3.3	3	3
TTVOC	7.9	5.4	6.4	6.1	5.3	5.7
TNTVOC	ND	ND	ND	ND	ND	ND

P-522B						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
CF	6.7	4.9	4	4.7	3.6	4.3
TCE	220	220	200	190	210	210
PCE	1.8	1.9	1.7	2.0	1.4	1.4
TTVOC	263	259	243	239	260.3	260.8
TNTVOC	ND	ND	ND	ND	ND	ND

P-522C						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
1,2-DCA	0.3 U	0.3 U	0.4 U	2.9	0.3U	0.3U
TCE	16	0.2 U	0.4 U	25	0.4U	0.4U
PCE	1.6	0.3 U	0.4 U	3.1	0.4U	0.4U
TTVOC	24	ND	0.4	79	ND	ND
TNTVOC	ND	ND	ND	ND	ND	ND

MW-545A						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
PCE	4.6	4.4	3.6	3.8	3.3	3.1
TTVOC	5.2	4.4	4.0	3.8	3.3	3.1
TNTVOC	ND	ND	ND	ND	ND	ND

MW-545B						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TTVOC	0.5	ND	ND	ND	ND	ND
TNTVOC	ND	ND	ND	ND	ND	ND

MW-545C						
DATE	9/23/2003	3/9/2004	9/24/2004	3/3/2005	9/8/2005	3/7/2006
TTVOC	1.3	1.8	0.5	ND	ND	1.1
TNTVOC	ND	ND	ND	ND	ND	ND

MW-550B										
DATE	9/23/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/7/2006
TCE	800	780	750	650	1400	720	620	760	740	730
PCE	3.1 U	4.5	3.1 U	3.1	6.1	4.9	3.6 U	5.0	2.9	4.5U
TTVOC	800	793	750	660	1417	733	630	774	748.3	730
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-550C										
DATE	9/23/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/7/2006
TCE	140	150	170	140	140	130	120	140	160	140
TTVOC	142	152	173	142	142	133	122	142	161.8	141.4
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-507A										
DATE	9/23/2003	12/11/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/4/2005	6/3/2005	9/8/2005	3/7/2006
TCE	860	740	690	450	1100	610	540	570	600	600
TTVOC	860	748	698	460	1109	617	546	578	605.5	606.8
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-507B			
DATE	3/25/2004	3/4/2005	3/7/2006
TCE	16	20	19
TTVOC	16	21	19.6
TNTVOC	ND	ND	ND

MW-508A			
DATE	3/25/2004	3/4/2005	3/7/2006
TCE	35	1.2	0.5
TTVOC	37	22	20.5
TNTVOC	ND	ND	ND

MW-508B										
DATE	9/23/2003	12/11/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/4/2005	6/3/2005	9/8/2005	3/7/2006
TCE	69	40	41	32	30	31	26	40	40	31
TTVOC	70	41	41	33	31	32	27	41	40.9	31.9
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-532A			
DATE	3/25/2004	3/3/2005	3/7/2006
TCE	33	37	40
TTVOC	34	38	41.1
TNTVOC	ND	ND	ND

MW-549A										
DATE	9/24/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	10/14/2005	3/7/2006
TCE	1100	900	1000	860	820	850	820	98	1100	990
TTVOC	1100	900	1000	863	824	850	825	98	1105.6	990
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-549B										
DATE	9/24/2003	12/10/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	10/14/2005	3/7/2006
TCE	2300	1800	1200	1400	1500	1200	1200	650	1300	1400
PCE	7.8 U	8.5	13	6.7	9.0 U	8.1	7.2 U	3.9	6.6	4.5U
TTVOC	2319	1825	1213	1416	1510	1219	1215	659	1318.6	1408.9
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-505A			
DATE	3/25/2004	3/3/2005	3/7/2006
TTVOC	0.5	ND	0.5
TNTVOC	ND	ND	ND

MW-505B			
DATE	3/25/2004	3/3/2005	3/3/2005
TTVOC	1.2	1.8	1.8
TNTVOC	ND	ND	ND

MW-502A										
DATE	9/24/2003	12/11/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/7/2006
TCE	1.4	1.0	0.8	0.6	0.6	0.9	1.2	0.8	0.6	0.6
TTVOC	2.1	1.4	1.5	1.0	1.0	1.6	1.8	0.8	0.6	1.3
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-502B										
DATE	9/24/2003	12/11/2003	3/9/2004	6/4/2004	9/23/2004	12/9/2004	3/3/2005	6/3/2005	9/8/2005	3/7/2006
TCE	1100	670	730	390	350	290	330	340	280	300
PCE	3.1 U	3.1 U	3.1 U	1.0	1.8 U	1.2	0.7 U	0.9	0.9U	0.9U
TTVOC	1114	688	771	412	368	308	375	381	296	332
TNTVOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	= COMPOUND WAS NOT DETECTED AT THE INDICATED CONCENTRATION	

LEGEND

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

0 500 FT.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 9
QUARTERLY GROUND WATER SAMPLING RESULTS
SEPTEMBER 2003 - MARCH 2006

Date: 4/19/2006 | Project No. E9201-9303-00000

2542-9

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SW-4

DATE	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	7/15/2005	8/12/2005	9/8/2005	10/14/2005	11/22/2005	3/6/2006
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	ND	ND	ND	ND	ND	ND
BZ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	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	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
TTVOC	ND	ND	ND	0.3	ND	1.6	0.6	1.8	0.7	ND	0.7	ND	ND	ND	ND	0.4	ND	4.5	0.5	ND	1.1	2.5	ND	ND	0.5	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND

SW-3

DATE	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	7/15/2005	8/12/2005	9/8/2005	10/14/2005	11/22/2005	3/6/2006
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	0.4	1.6	ND	ND	ND	ND	ND	ND	ND	ND	0.6
PCE	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	0.6
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	ND	ND	ND	ND	ND	ND

SW-2

DATE	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	7/15/2005	8/12/2005	9/8/2005	10/14/2005	11/22/2005	3/6/2006
DCP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
TCE	3.6	2.2	ND	ND	ND	ND	2.1	1.4	ND	0.4	2.2	ND	ND	0.6	ND	1.7	ND	0.5	0.5	0.8	2.6	0.8	ND	0.5	ND	ND	ND	ND	ND	1.2
TTVOC	3.6	2.2	ND	ND	ND	ND	2.1	1.4	ND	0.4	2.2	ND	ND	0.6	ND	1.7	ND	2.8	9	1.2	2.6	1.5	1.7	1.4	0.5	ND	ND	ND	ND	1.2
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	ND	ND	ND	ND	ND	ND

SW-1

DATE	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	7/15/2005	8/12/2005	9/8/2005	10/14/2005	11/22/2005	3/6/2006
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	ND	NS	NS	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	ND	NS	NS	ND	ND	ND

SW-12

DATE	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	7/15/2005	8/12/2005	9/8/2005	10/14/2005	11/22/2005	3/6/2006
DCP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	NS
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	3.3	3	3.6	ND	ND	NS
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	ND	ND	ND	ND	ND	NS
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	4.4	3.8	4.6	ND	ND	NS
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	ND	ND	ND	ND	ND	NS

Interhaven
SOMERSET ST.
WATCHUNG AVE.
Jennings
Hudson
MW-546A,B,C
Rt. 22
Cedar
Henry
MW-544A,B,C
Harrison
Walnut
P-523A,B,C
P-522A,B,C
Howard
Coddington
MW-547A,B,C
Westervelt
P-521B,C
SW-4
SW-3
SW-2
SW-1
CRAB BROOK
EAST DRIVE
NORTH DRIVE
MW-507A,B
MW-508A,B
MW-532A,B
MW-549A,B
MW-506A,B
RW-1
MW-550B,C
MW-531A,B
MW-502A,B
Pump House
MW-505A,B
MW-504A
Barnes
Leonard
Willard
Oniedo
Corbet
Lewis
W END AVE
Martins
Jefferson
P-524A,B,C
SW-12
GREENBROOK
MOUNTAIN AVENUE
NORWOOD
W BROOK
STONY BROOK
MW-545A
Washington
1ST ST.
Park
school
MW-542A,B,C
WATCHUNG AVE.

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
- WELL DESTROYED
- NS NOT SAMPLED

0 500 FT.
APPROXIMATE SCALE

TRC Environmental Corporation
Millburn, New Jersey

FORMER LOCKHEED ELECTRONICS COMPANY SITE
WATCHUNG, NEW JERSEY

FIGURE 10
SURFACE WATER SAMPLING RESULTS
SEPTEMBER 2003 - MARCH 2006

Date: 4/19/2006 | Project No. E9201-9303-00000

2542-10

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TABLES

TABLE 1
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	

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

			September 7, 2005		March 6, 2006	
Monitoring Well	**Well Depths ft. (bgs)**	**TOC 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
MW-501B	19	121.07	MISSING	NA	MISSING	NA
MW-502A	75.5	103.89	6.60	97.29	3.84	100.05
MW-502B	19	103.85	5.52	98.33	2.8	101.05
MW-503A	73	110.26	MISSING	NA	MISSING	NA
MW-503B	24.4	110.58	MISSING	NA	MISSING	NA
MW-504A	76.5	112.10	MISSING	NA	4.70	107.40
MW-504B	19.8	112.09	MISSING	NA	MISSING	NA
MW-505A	75	103.85/108.27	NM	NA	5.40	102.87
MW-505B	20	103.73/107.73	NM	NA	6.05	101.68
MW-506A	96.3	122.22	31.07	91.15	28.28	93.94
MW-506B	25	121.28	NM	NA	7.90	113.38
MW-507A	151	176.39	56.92	119.47	53.70	122.69
MW-507B	60	176.39	59.60	116.79	48.95	127.44
MW-508A	263	186.85	68.35	118.50	65.22	121.63
MW-508B	68	187.13	59.60	127.53	57.25	129.88
MW-509A	423	231.30	MISSING	NA	MISSING	NA
MW-509B	84	230.77	MISSING	NA	MISSING	NA
MW-510A	201	182.22	MISSING	NA	MISSING	NA
MW-510B	70	182.17	MISSING	NA	MISSING	NA
PZ-521B	100.26	99.84	NM	NA	7.71	92.13
PZ-521C	15.5	100.07	NM	NA	7.72	92.35
PZ-522A	197	93.85	12.45	81.40	11.63	82.22
PZ-522B	100	93.78	11.30	82.48	10.54	83.24
PZ-522C	17.5	93.78	8.25	85.53	7.37	86.41
PZ-523A	199	94.13	NM	NA	NM	NA
PZ-523B	103	94.05	NM	NA	12.1	81.95
PZ-523C	14	93.91	NM	NA	NM	NA
PZ-524A	199	68.12/68.33	NM	NA	4.35	63.98
PZ-524B	99	67.86/68.39	NM	NA	5.65	62.74
PZ-524C	15	67.78/67.29	NM	NA	4.95	62.34
MW-531A	142.2	138.43	NM	NA	11.83	126.60
MW-531B	47.9	138.46	NM	NA	9.11	129.35
MW-532A	250	186.55	NM	NA	53.98	132.57
MW-532B	102.7	185.35	NM	NA	50.25	135.10
MW-542A	200	99.65	MISSING	NA	MISSING	NA
MW-542B	100	99.71	MISSING	NA	MISSING	NA
MW-542C	33	99.57	MISSING	NA	MISSING	NA

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

			September 7, 2005		March 6, 2006	
Monitoring Well	**Well Depths ft. (bgs)**	**TOC Elevation ft. (MSL)**	**Depth to Water**	**GW Elevation ft. (MSL)**	**Depth to Water**	**GW Elevation ft. (MSL)**
MW-544A	197	85.81	11.73	74.08	10.55	75.26
MW-544B	100	86.00	9.40	76.60	8.00	78.00
MW-544C	23	86.04	4.86	81.18	3.5	82.54
MW-545A	197	85.69	19.75	65.94	18.7	66.99
MW-545B	92	85.80	20.42	65.38	19.45	66.35
MW-545C	35	85.75	14.78	70.97	13.45	72.30
MW-546A	200	106.55	NM	NA	18.70	87.85
MW-546B	100	107.06	NM	NA	19.45	87.61
MW-546C	31	108.16	NM	NA	13.45	94.71
MW-547A	200	98.33/98.17	NM	NA	7.27	90.90
MW-547B	100	98.46/98.25	NM	NA	7.25	91.00
MW-547C	22	98.32	NM	NA	6.55	91.77
MW-549A	215	179.31	NM	NA	55.32	123.99
MW-549B	115	179.77	NM	NA	63.50	116.27
MW-549C	73.5	179.41	NM	NA	NM	NA
MW-550B	101	132.56	25.61	106.95	22.32	110.24
MW-550C	50	132.13	24.41	107.72	21.04	111.09
RW-1	150	110.91	67.5	43.41	59.00	51.91

LEGEND PZ - Piezometer
bgs - Below Ground Surface
TOC - Top of Casing
RW- Extraction Well
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

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 & OCTOBER 2005 & MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW-502A	MW-502B	MW-506A	MW-507A	MW-508B	MW-544A	MW-544B	MW-544C	MW-545A	MW-545B
Lab Sample Number	**New Jersey**	667591	667592	667588	667589	667590	667599	667600	667601	667597	667598
Sampling Date	**Ground Water**	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005
Matrix	**Quality**	WATER	WATER	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	1.0	1.0
Units	**ug/L**	ug/L	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	0.6 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Bromomethane	*10*	0.3 U	0.6 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Vinyl Chloride	*5*	0.3 U	0.6 U	2.8 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Chloroethane	*100*	0.2 U	0.5 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Methylene Chloride	*3*	0.5 U	1.0 U	5.1 U	2.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
Trichlorofluoromethane		0.2 U	0.5 U	2.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
1,1-Dichloroethene	*2*	0.4 U	0.7 U	3.5 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
1,1-Dichloroethane	*50*	0.3 U	0.6 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
trans-1,2-Dichloroethene	*100*	0.4 U	0.9 U	4.3 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
cis-1,2-Dichloroethene	*70*	0.4 U	16	6.0	5.5	0.4 U	0.4 U	0.4 U	0.7	0.4 U	0.4
Chloroform	*6*	0.5 U	1.0 U	5.2 U	2.6 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5
1,2-Dichloroethane	*2*	0.3 U	0.6 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
1,1,1-Trichloroethane	*30*	0.3 U	0.7 U	3.4 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Carbon Tetrachloride	*2*	0.3 U	0.6 U	3.1 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Bromodichloromethane	*1*	0.3 U	0.6 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
1,2-Dichloropropane	*1*	0.3 U	0.6 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
cis-1,3-Dichloropropene		0.2 U	0.5 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Trichloroethene	*1*	0.6	**280**	**620**	**600**	**40**	0.4 U	0.6	**1.2**	0.4 U	0.4
Dibromochloromethane	*10*	0.3 U	0.5 U	2.7 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
1,1,2-Trichloroethane	*3*	0.3 U	0.7 U	3.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Benzene	*1*	0.3 U	0.7 U	3.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
trans-1,3-Dichloropropene		0.2 U	0.5 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
2-Chloroethyl Vinyl Ether	*100*	0.4 U	0.8 U	4.2 U	2.1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
Bromoform	*4*	0.2 U	0.4 U	2.2 U	1.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Tetrachloroethene	*1*	0.4 U	0.9 U	4.5 U	2.2 U	0.4 U	0.4 U	0.4 U	**2.2**	**3.3**	0.4
1,1,2,2-Tetrachloroethane	*1*	0.3 U	0.7 U	3.4 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Toluene	*1000*	0.4 U	0.8 U	4.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
Chlorobenzene	*50*	0.4 U	0.9 U	4.5 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
Ethylbenzene	*700*	0.5 U	0.9 U	4.6 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
Xylene (Total)	*1000*	0.4 U	0.8 U	3.8 U	1.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4
Total Confident Conc. VOAs (s)		0.6	296	626	605.5	40.9	ND	0.6	4.1	3.3	ND
Total Estimated Conc. VOA TICs (s)	*500*	ND	ND	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 - Tenetatively Identified Compounds
Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER & OCTOBER 2005 & MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID			MW-545C	MW-546A	MW-550B	MW-550C	P-522A	P-522B	P-522C	MW549A	MW549B
Lab Sample Number	**New Jersey**		667599	667593	667587	667586	667594	667595	667596	677752	677753
Sampling Date	**Ground Water**		9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	9/8/2005	10/14/2005	10/14/2005
Matrix	**Quality**		WATER	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	10.0	10.0
Units	**ug/L**		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)											
Chloromethane	*30*	U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.6 U	0.3 U	2.9 U	2.9 U
Bromomethane	*10*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.6 U	0.3 U	3.2 U	3.2 U
Vinyl Chloride	*5*	U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.6 U	0.3 U	2.8 U	2.8 U
Chloroethane	*100*	U	0.2 U	0.2 U	1.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.4 U	2.4 U
Methylene Chloride	*3*	U	0.5 U	0.5 U	2.6 U	0.5 U	0.5 U	1.0 U	0.5 U	5.1 U	5.1 U
Trichlorofluoromethane		U	0.2 U	0.2 U	1.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.5 U	2.5 U
1,1-Dichloroethene	*2*	U	0.4 U	0.4 U	1.8 U	0.4 U	0.4 U	0.7 U	0.4 U	3.5 U	3.5 U
1,1-Dichloroethane	*50*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	2.3	0.3 U	3.2 U	3.2 U
trans-1,2-Dichloroethene	*100*	U	0.4 U	0.4 U	2.2 U	0.4 U	0.4 U	0.9 U	0.4 U	4.3 U	4.3 U
cis-1,2-Dichloroethene	*70*	U	0.4 U	0.8	5.4	1.8	0.4 U	43	0.4 U	5.6	12
Chloroform	*6*	U	0.5 U	3.3	2.6 U	0.5 U	2.3	3.6	0.5 U	5.2 U	5.2 U
1,2-Dichloroethane	*2*	U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.6 U	0.3 U	2.9 U	2.9 U
1,1,1-Trichloroethane	*30*	U	0.3 U	0.3 U	1.7 U	0.3 U	0.3 U	0.7 U	0.3 U	3.4 U	3.4 U
Carbon Tetrachloride	*2*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.6 U	0.3 U	3.1 U	3.1 U
Bromodichloromethane	*1*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.6 U	0.3 U	3.2 U	3.2 U
1,2-Dichloropropane	*1*	U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.6 U	0.3 U	2.9 U	2.9 U
cis-1,3-Dichloropropene		U	0.2 U	0.2 U	1.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.4 U	2.4 U
Trichloroethene	*1*	U	0.4 U	**130**	**740**	**160**	**3.0**	**210**	0.4 U	**1100**	**1300**
Dibromochloromethane	*10*	U	0.3 U	0.3 U	1.4 U	0.3 U	0.3 U	0.5 U	0.3 U	2.7 U	2.7 U
1,1,2-Trichloroethane	*3*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.7 U	0.3 U	3.3 U	3.3 U
Benzene	*1*	U	0.3 U	0.3 U	1.6 U	0.3 U	0.3 U	0.7 U	0.3 U	3.3 U	3.3 U
trans-1,3-Dichloropropene		U	0.2 U	0.2 U	1.2 U	0.2 U	0.2 U	0.5 U	0.2 U	2.4 U	2.4 U
2-Chloroethyl Vinyl Ether	*100*	U	0.4 U	0.4 U	2.1 U	0.4 U	0.4 U	0.8 U	0.4 U	4.2 U	4.2 U
Bromoform	*4*	U	0.2 U	0.2 U	1.1 U	0.2 U	0.2 U	0.4 U	0.2 U	2.2 U	2.2 U
Tetrachloroethene	*1*	U	0.4 U	0.4 U	**2.9**	0.4 U	0.4 U	**1.4**	0.4 U	4.5 U	**6.6**
1,1,2,2-Tetrachloroethane	*1*	U	0.3 U	0.3 U	1.7 U	0.3 U	0.3 U	0.7 U	0.3 U	3.4 U	3.4 U
Toluene	*1000*	U	0.4 U	0.4 U	2.0 U	0.4 U	0.4 U	0.8 U	0.4 U	4 U	4 U
Chlorobenzene	*50*	U	0.4 U	0.4 U	2.2 U	0.4 U	0.4 U	0.9 U	0.4 U	4.5 U	4.5 U
Ethylbenzene	*700*	U	0.5 U	0.5 U	2.3 U	0.5 U	0.5 U	0.9 U	0.5 U	4.6 U	4.6 U
Xylene (Total)	*1000*	U	0.4 U	0.4 U	1.9 U	0.4 U	0.4 U	0.8 U	0.4 U	3.8 U	3.8 U
Total Confident Conc. VOAs (s)			ND	134.1	748.3	161.8	5.3	260.3	ND	1105.6	1318.6
Total Estimated Conc. VOA TICs (s)	*500*		ND	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 - Tenetatively Identified Compounds
Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER & OCTOBER 2005 & MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		MW506B	MW-506B	MW-550C	MW-550B	MW-507A	MW-507B	FB030706	MW-508A	MW-508B	MW-549B
Lab Sample Number	**New Jersey**	677754	714112	714113	714114	714115	714116	714117	714118	714119	714120
Sampling Date	**Ground Water**	10/14/2005	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006
Matrix	**Quality**	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	**Criteria**	1.0	1.0	1.0	10.0	5.0	1.0	1.0	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	ug/L	ug/L
VOLATILE COMPOUNDS (GC/MS)											
Chloromethane	*30*	0.3 U	0.3 U	0.3 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	2.9
Bromomethane	*10*	0.3 U	0.3 U	0.3 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.2
Vinyl Chloride	*5*	0.3 U	0.3 U	0.3 U	2.8 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	2.8
Chloroethane	*100*	0.2 U	0.2 U	0.2 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4
Methylene Chloride	*3*	0.5 U	0.5 U	0.5 U	5.1 U	2.6 U	0.5 U	0.5 U	0.5 U	0.5 U	5.1
Trichlorofluoromethane		0.2 U	0.2 U	0.2 U	2.5 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5
1,1-Dichloroethene	*2*	0.4 U	0.4 U	0.4 U	3.5 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	3.5
1,1-Dichloroethane	*50*	0.3 U	0.3 U	0.3 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.2
trans-1,2-Dichloroethene	*100*	0.4 U	0.4 U	0.4 U	4.3 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	4.3
cis-1,2-Dichloroethene	*70*	0.4 U	0.4 U	1.4	4.3 U	6.8	0.4 U	0.4 U	20	0.4 U	8.9
Chloroform	*6*	0.5 U	0.7	0.5 U	5.2 U	2.6 U	0.6	0.5 U	0.5 U	0.9	5.2
1,2-Dichloroethane	*2*	0.3 U	0.3 U	0.3 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	2.9
1,1,1-Trichloroethane	*30*	0.3 U	0.3 U	0.3 U	3.4 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	3.4
Carbon Tetrachloride	*2*	0.3 U	0.3 U	0.3 U	3.1 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.1
Bromodichloromethane	*1*	0.3 U	0.3 U	0.3 U	3.2 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.2
1,2-Dichloropropane	*1*	0.3 U	0.3 U	0.3 U	2.9 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	2.9
cis-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4
Trichloroethene	*1*	**36**	**12**	**140**	**730**	**600**	**19**	0.4 U	0.5	**31**	**1400**
Dibromochloromethane	*10*	0.3 U	0.3 U	0.3 U	2.7 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	2.7
1,1,2-Trichloroethane	*3*	0.3 U	0.3 U	0.3 U	3.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.3
Benzene	*1*	0.3 U	0.3 U	0.3 U	3.3 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	3.3
trans-1,3-Dichloropropene		0.2 U	0.2 U	0.2 U	2.4 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4
2-Chloroethyl Vinyl Ether	*100*	0.4 U	0.4 U	0.4 U	4.2 U	2.1 U	0.4 U	0.4 U	0.4 U	0.4 U	4.2
Bromoform	*4*	0.2 U	0.2 U	0.2 U	2.2 U	1.1 U	0.2 U	0.2 U	0.2 U	0.2 U	2.2
Tetrachloroethene	*1*	0.4 U	0.4 U	0.4 U	4.5 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	4.5
1,1,2,2-Tetrachloroethane	*1*	0.3 U	0.3 U	0.3 U	3.4 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	3.4
Toluene	*1000*	0.4 U	0.4 U	0.4 U	4.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	4
Chlorobenzene	*50*	0.4 U	0.4 U	0.4 U	4.5 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	4.5
Ethylbenzene	*700*	0.5 U	0.5 U	0.5 U	4.6 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6
Xylene (Total)	*1000*	0.4 U	0.4 U	0.4 U	3.8 U	1.9 U	0.4 U	0.4 U	0.4 U	0.4 U	3.8
Total Confident Conc. VOAs (s)		36	12.7	141.4	730	606.8	19.6	0	20.5	31.9	1408.9
Total Estimated Conc. VOA TICs (s)	*500*	ND	0	0	0	0	0	0	0	0	0

Notes:
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NA - No applicable criteria
VOCs - Volatile Organic Compounds
TICs - Tenetatively Identified Compounds
Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER & OCTOBER 2005 & MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID			MW-549A	MW-532A	MW-502B	MW-502A	MW-546A	MW-505B	MW-505A	P-522A	P-522B
Lab Sample Number	**New Jersey**		714121	714122	714123	714124	714125	714126	714127	714128	714129
Sampling Date	**Ground Water**		3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006
Matrix	**Quality**		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	**Criteria**		10.0	1.0	2.0	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	ug/L
VOLATILE COMPOUNDS (GC/MS)											
Chloromethane	*30*	U	2.9 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Bromomethane	*10*	U	3.2 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Vinyl Chloride	*5*	U	2.8 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Chloroethane	*100*	U	2.4 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Methylene Chloride	*3*	U	5.1 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichlorofluoromethane		U	2.5 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
1,1-Dichloroethene	*2*	U	3.5 U	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
1,1-Dichloroethane	*50*	U	3.2 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.2
trans-1,2-Dichloroethene	*100*	U	4.3 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.9
cis-1,2-Dichloroethene	*70*		4.3 U	0.4 U	32	0.4 U	1.2	0.4 U	0.4 U	0.4 U	41
Chloroform	*6*	U	5.2 U	0.5 U	1.0 U	0.7	4.0	1.8	0.5	2.7	4.3
1,2-Dichloroethane	*2*	U	2.9 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
1,1,1-Trichloroethane	*30*	U	3.4 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Carbon Tetrachloride	*2*	U	3.1 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Bromodichloromethane	*1*	U	3.2 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
1,2-Dichloropropane	*1*	U	2.9 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
cis-1,3-Dichloropropene		U	2.4 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Trichloroethene	*1*		**990**	**40**	**300**	0.6	**150**	0.4 U	0.4 U	**3.0**	**210**
Dibromochloromethane	*10*	U	2.7 U	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U
1,1,2-Trichloroethane	*3*	U	3.3 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Benzene	*1*	U	3.3 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
trans-1,3-Dichloropropene		U	2.4 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
2-Chloroethyl Vinyl Ether	*100*	U	4.2 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Bromoform	*4*	U	2.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Tetrachloroethene	*1*	U	4.5 U	**1.1**	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.4**
1,1,2,2-Tetrachloroethane	*1*	U	3.4 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Toluene	*1000*	U	4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Chlorobenzene	*50*	U	4.5 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
Ethylbenzene	*700*	U	4.6 U	0.5 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U
Xylene (Total)	*1000*	U	3.8 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Total Confident Conc. VOAs (s)			990	41.1	332.0	1.3	155.2	1.8	0.5	5.7	260.8
Total Estimated Conc. VOA TICs (s)	*500*		0	0	0	0	0	0	0	0	0

Notes:
ug/L - micrograms/Liter
U - The compound was not detected at the indicated concentration
NA - No applicable criteria
VOCs - Volatile Organic Compounds
TICs - Tenetatively Identified Compounds
Bold - Concentration exceeds NJ Ground Water Quality Criteria

TABLE 4
GROUND WATER ANALYTICAL RESULTS - SEPTEMBER & OCTOBER 2005 & MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID		P-522C	MW-545A	MW-545B	MW-545C	MW-544C	MW-544B	MW-544A	MW506A
Lab Sample Number	**New Jersey**	714130	714131	714132	714133	714134	714135	714136	717219
Sampling Date	**Ground Water**	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	3/7/2006	03/17/06
Matrix	**Quality**	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor	**Criteria**	1.0	1.0	1	1	1	1	1	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	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U
Bromomethane	*10*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 U
Vinyl Chloride	*5*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U
Chloroethane	*100*	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2 U
Methylene Chloride	*3*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 U
Trichlorofluoromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2 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	1.8 U
1,1-Dichloroethane	*50*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 U
trans-1,2-Dichloroethene	*100*	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U
cis-1,2-Dichloroethene	*70*	0.4 U	0.4 U	0.4 U	0.4 U	1	0.4 U	0.4 U	5.0
Chloroform	*6*	0.5 U	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	2.6 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	1.4 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	1.7 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	1.6 U
Bromodichloromethane	*1*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 U
1,2-Dichloropropane	*1*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 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	1.2 U
Trichloroethene	*1*	0.4 U	0.4 U	0.4 U	0.4 U	**1.5**	0.7	0.4 U	**700**
Dibromochloromethane	*10*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 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	1.6 U
Benzene	*1*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 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	1.2 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	2.1 U
Bromoform	*4*	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1 U
Tetrachloroethene	*1*	0.4 U	**3.1**	0.4 U	0.4 U	**1.9**	0.4 U	0.4 U	2.2 U
1,1,2,2-Tetrachloroethane	*1*	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.7 U
Toluene	*1000*	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U
Chlorobenzene	*50*	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U
Ethylbenzene	*700*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 U
Xylene (Total)	*1000*	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.9 U
Total Confident Conc. VOAs (s)		0	3.1	0	1.1	4.4	0.7	0	705
Total Estimated Conc. VOA TICs (s)	*500*	0	0	0	0	0	0	0	0

Notes:
ug/L - micrograms/Liter
U - The compound was not detected at the indicated concentration
NA - No applicable criteria
VOCs - Volatile Organic Compounds
TICs - Tenetatively 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
08/13/93	MW-502A	**3**	ug/L	
10/22/93	MW-502A	**5**	ug/L	
04/27/94	MW-502A	**1.6**	ug/L	
11/09/94	MW-502A	**2.02**	ug/L	
06/01/95	MW-502A	**2.3**	ug/L	
03/30/96	MW-502A	**2.5**	ug/L	
03/30/96	MW-502A	**2.9**	ug/L	
09/27/97	MW-502A	**7.8**	ug/L	
05/02/98	MW-502A	**5.2**	ug/L	
09/25/98	MW-502A	**7.9**	ug/L	
11/12/99	MW-502A	**5.9**	ug/L	
11/21/02	MW-502A	**3.1**	ug/L	
03/25/03	MW-502A	**2.5**	ug/L	
06/25/03	MW-502A	**2.7**	ug/L	
09/24/03	MW-502A	**1.4**	ug/L	
12/11/03	MW-502A	1.0	ug/L	
03/09/04	MW-502A	0.8	ug/L	
06/04/04	MW-502A	0.6	ug/L	
09/23/04	MW-502A	0.6	ug/L	
12/09/04	MW-502A	0.9	ug/L	
03/03/05	MW-502A	**1.2**	ug/L	
06/03/05	MW-502A	0.8	ug/L	
09/08/05	MW-502A	0.6	ug/L	
03/07/06	MW-502A	0.6	ug/L	
08/13/93	MW-502B	**1200**	ug/L	
08/13/93	MW-502B	**930**	ug/L	
10/22/93	MW-502B	**1300**	ug/L	
10/22/93	MW-502B	**1300**	ug/L	
04/27/94	MW-502B	**1200**	ug/L	
11/09/94	MW-502B	**1700**	ug/L	
06/01/95	MW-502B	**1510**	ug/L	
04/02/96	MW-502B	**1300**	ug/L	DJ
09/28/97	MW-502B	**1400**	ug/L	
05/02/98	MW-502B	**1300**	ug/L	
09/25/98	MW-502B	**1300**	ug/L	
09/25/98	MW-502B	**1300**	ug/L	
11/12/99	MW-502B	**1500**	ug/L	
11/21/02	MW-502B	**1000**	ug/L	
03/25/03	MW-502B	**920**	ug/L	
06/25/03	MW-502B	**1100**	ug/L	
09/24/03	MW-502B	**1100**	ug/L	
12/11/03	MW-502B	**670**	ug/L	
03/09/04	MW-502B	**730**	ug/L	
06/04/04	MW-502B	**390**	ug/L	
09/23/04	MW-502B	**350**	ug/L	
12/09/04	MW-502B	**290**	ug/L	
03/03/05	MW-502B	**330**	ug/L	
06/03/05	MW-502B	**340**	ug/L	
09/08/05	MW-502B	**280**	ug/L	
03/07/06	MW-502B	**300**	ug/L	
08/11/93	MW-505A	<GWQS	ug/L	U
10/19/93	MW-505A	<GWQS	ug/L	U
04/26/94	MW-505A	<GWQS	ug/L	U
11/08/94	MW-505A	<GWQS	ug/L	U
05/31/95	MW-505A	<GWQS	ug/L	U
04/02/96	MW-505A	<GWQS	ug/L	J
09/23/97	MW-505A	<GWQS	ug/L	U
09/24/98	MW-505A	<GWQS	ug/L	U
11/09/99	MW-505A	<GWQS	ug/L	U
11/20/02	MW-505A	<GWQS	ug/L	U
03/25/03	MW-505A	<GWQS	ug/L	U
03/25/04	MW-505A	<GWQS	ug/L	U
03/03/05	MW-505A	<GWQS	ug/L	U
03/07/06	MW-505A	<GWQS	ug/L	U

Sample Date	Well #	TCE Concentration	Units	Q
08/11/93	MW-505B	<GWQS	ug/L	U
10/19/93	MW-505B	<GWQS	ug/L	U
04/26/94	MW-505B	<GWQS	ug/L	U
11/08/94	MW-505B	<GWQS	ug/L	U
05/31/95	MW-505B	<GWQS	ug/L	U
04/02/96	MW-505B	**1.1**	ug/L	
09/23/97	MW-505B	<GWQS	ug/L	U
09/24/98	MW-505B	<GWQS	ug/L	U
11/09/99	MW-505B	<GWQS	ug/L	U
11/20/02	MW-505B	<GWQS	ug/L	U
03/25/03	MW-505B	<GWQS	ug/L	U
03/25/04	MW-505B	<GWQS	ug/L	U
03/03/05	MW-505B	<GWQS	ug/L	U
03/07/06	MW-505B	<GWQS	ug/L	U
08/11/93	MW-506A	**1700**	ug/L	
10/19/93	MW-506A	**1800**	ug/L	
04/26/94	MW-506A	**1200**	ug/L	
04/26/94	MW-506A	**1300**	ug/L	
11/11/94	MW-506A	**1900**	ug/L	
11/11/94	MW-506A	**2020**	ug/L	
06/01/95	MW-506A	**1650**	ug/L	
06/01/95	MW-506A	**1690**	ug/L	
04/01/96	MW-506A	**1800**	ug/L	DJ
09/25/97	MW-506A	**1600**	ug/L	
09/25/97	MW-506A	**1700**	ug/L	
04/30/98	MW-506A	**1400**	ug/L	
09/24/98	MW-506A	**1400**	ug/L	
11/08/99	MW-506A	**1700**	ug/L	
11/19/02	MW-506A	**1000**	ug/L	
03/24/03	MW-506A	**850**	ug/L	
06/25/03	MW-506A	**1000**	ug/L	
09/23/03	MW-506A	**960**	ug/L	
12/10/03	MW-506A	**830**	ug/L	
03/09/04	MW-506A	**940**	ug/L	
06/04/04	MW-506A	**710**	ug/L	
09/23/04	MW-506A	**1300**	ug/L	
12/09/04	MW-506A	**710**	ug/L	
03/03/05	MW-506A	**650**	ug/L	
06/03/05	MW-506A	**730**	ug/L	
09/08/05	MW-506A	**620**	ug/L	
03/17/06	MW-506A	**700**	ug/L	
08/11/93	MW-506B	**18**	ug/L	
10/20/93	MW-506B	**48**	ug/L	J
04/26/94	MW-506B	**18**	ug/L	
11/11/94	MW-506B	**19**	ug/L	
06/01/95	MW-506B	**40.4**	ug/L	
04/01/96	MW-506B	**25**	ug/L	J
09/25/97	MW-506B	**34**	ug/L	
04/30/98	MW-506B	**26**	ug/L	
04/30/98	MW-506B	**27**	ug/L	
09/24/98	MW-506B	**32**	ug/L	
11/08/99	MW-506B	**50**	ug/L	
11/19/02	MW-506B	**74**	ug/L	
03/24/03	MW-506B	**24**	ug/L	
06/25/03	MW-506B	**12**	ug/L	
09/23/03	MW-506B	**14**	ug/L	
12/10/03	MW-506B	**15**	ug/L	
03/09/04	MW-506B	**16**	ug/L	
06/04/04	MW-506B	**13**	ug/L	
09/23/04	MW-506B	**12**	ug/L	
12/09/04	MW-506B	**15**	ug/L	
03/03/05	MW-506B	**16**	ug/L	
06/03/05	MW-506B	**14**	ug/L	
10/01/05	MW-506B	**36**	ug/L	
03/07/06	MW-506B	**12**	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
09/26/97	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	
09/08/05	MW-507A	**600**	ug/L	
03/07/06	MW-507A	**600**	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	
03/07/06	MW-507B	**19**	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	
11/11/99	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	
03/07/06	MW-508A	0.5	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	
09/08/05	MW-508B	**40**	ug/L	
03/07/06	MW-508B	**31**	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	
03/07/06	MW-532A	**40**	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	<GWQS	ug/L	U
03/03/05	MW-544A	0.4	ug/L	U
09/08/05	MW-544A	0.4	ug/L	U
03/07/06	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
09/08/05	MW-544B	0.4	ug/L	U
03/07/06	MW-544B	0.6	ug/L	
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	
09/08/05	MW-544C	**1.2**	ug/L	
03/07/06	MW-544C	**1.5**	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
09/08/05	MW-545A	0.4	ug/L	U
03/07/06	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
09/08/05	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
09/08/05	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	
09/08/05	MW-546A	**130**	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	
10/14/05	MW-549A	**1100**	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	
10/14/05	MW-549B	**1300**	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	
Sep-05	MW-550B	**740**	ug/L	

Sample Date	Well #	TCE Concentration	Units	Q
11/21/02	MW-550C	**77**	ug/L	
03/26/03	MW-550C	**130**	ug/L	
06/25/03	MW-550C	**180**	ug/L	
09/23/03	MW-550C	**140**	ug/L	
12/10/03	MW-550C	**150**	ug/L	
03/09/04	MW-550C	**170**	ug/L	
06/04/04	MW-550C	**140**	ug/L	
09/23/04	MW-550C	**140**	ug/L	
12/09/04	MW-550C	**130**	ug/L	
03/03/05	MW-550C	**120**	ug/L	
06/03/05	MW-550C	**140**	ug/L	
09/08/05	MW-550C	**160**	ug/L	
11/10/94	P-522A	**2.2**	ug/L	
12/14/94	P-522A	**4.8**	ug/L	
03/31/96	P-522A	0.4	ug/L	J
09/27/97	P-522A	0.8	ug/L	J
05/01/98	P-522A	1.8	ug/L	
09/26/98	P-522A	**1.1**	ug/L	
11/10/99	P-522A	0.9	ug/L	
11/19/02	P-522A	**1.6**	ug/L	
03/25/03	P-522A	**14**	ug/L	
09/23/03	P-522A	**3.8**	ug/L	
03/09/04	P-522A	**3.0**	ug/L	
09/24/04	P-522A	**3.6**	ug/L	
03/03/05	P-522A	**3.3**	ug/L	
09/08/05	P-522A	**3.0**	ug/L	
12/14/94	P-522B	**157**	ug/L	
03/31/96	P-522B	**230**	ug/L	
09/27/97	P-522B	**180**	ug/L	
09/27/97	P-522B	**190**	ug/L	
05/01/98	P-522B	**140**	ug/L	
09/27/98	P-522B	**180**	ug/L	
11/10/99	P-522B	**200**	ug/L	
11/19/02	P-522B	**120**	ug/L	
03/25/03	P-522B	**160**	ug/L	
09/23/03	P-522B	**220**	ug/L	
03/09/04	P-522B	**220**	ug/L	
09/24/04	P-522B	**200**	ug/L	
03/03/05	P-522B	**190**	ug/L	
09/08/05	P-522B	**210**	ug/L	
11/10/94	P-522C	**18.6**	ug/L	
12/13/94	P-522C	**20.9**	ug/L	
03/31/96	P-522C	**50**	ug/L	
09/27/97	P-522C	**6.1**	ug/L	
05/01/98	P-522C	**67**	ug/L	
09/27/98	P-522C	**16**	ug/L	
11/10/99	P-522C	**12**	ug/L	
11/19/02	P-522C	**17**	ug/L	
03/25/03	P-522C	**22**	ug/L	
09/23/03	P-522C	**16**	ug/L	
03/09/04	P-522C	0.2	ug/L	U
09/24/04	P-522C	0.4	ug/L	U
03/03/05	P-522C	**25**	ug/L	
09/08/05	P-522C	0.4	ug/L	U

GWQS for TCE= 1

Bold- Concentration exceeds NJ Ground Water Quality Criteria

Indicates that well has either been abandoned or destroyed

ug/L - micrograms/Liter

D - Concentration reported at dilution

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.

* - Represents the highest concentration of the bags sampled on that date.

Q - Qualifiers

U - The compound was not detected at the indicated concentration

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2005 THROUGH MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	**New Jersey**	TB	FB	SW-1	SW-2	SW-3	SW-4	SW-12
Lab Sample Number	**Fresh Water - 2**	652533	652532	652529	652528	652527	652531	652530
Sampling Date	**Quality**	07/15/05	07/15/05	07/15/05	07/15/05	07/15/05	07/15/05	07/15/05
Matrix	**Criteria**	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		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
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	0.5	0.4 U	0.5	1.1
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	0.4 U	0.4 U	0.4 U	**3.3**
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	0.5	ND	0.5	4.4
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND	ND

micrograms/Liter
The compound was not detected at the indicated concentration
No applicable Criteria
Volatile Organic Compounds
Tentatively Identified Compounds
Concentration exceeds Fresh Water Quality Criteria
The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2005 THROUGH MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	**New Jersey**	TB	FB	SW-2	SW-3	SW-4	SW-12
Lab Sample Number	**Fresh Water - 2**	660290	660289	660294	660293	660291	660292
Sampling Date	**Quality**	08/12/05	08/12/05	08/12/05	08/12/05	08/12/05	08/12/05
Matrix	**Criteria**	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		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
VOLATILE COMPOUNDS (GC/MS)							
Chloromethane	*NA*	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
Vinyl Chloride	*0.083*	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
Methylene Chloride	*2.49*	0.7	1.0	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
1,1-Dichloroethene	*4.81*	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
trans-1,2-Dichloroethene	*592*	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	0.4 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
1,2-Dichloroethane	*0.291*	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
Carbon Tetrachloride	*0.363*	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
1,2-Dichloropropane	*NA*	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
Trichloroethene	*1.09*	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**3.0**
Dibromochloromethane	*72.6*	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
Benzene	*0.15*	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
2-Chloroethyl Vinyl Ether	*NA*	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
Tetrachloroethene	*0.388*	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
Toluene	*7440*	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
Ethylbenzene	*3030*	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
Total Confident Conc. VOAs (s)		0.7	1.0	ND	ND	ND	3.8
Total Estimated Conc. VOA TICs (s)		ND	ND	ND	ND	ND	ND

micrograms/Liter
The compound was not detected at the indicated concentration
No applicable Criteria
Volatile Organic Compounds
Tentatively Identified Compounds
Concentration exceeds Fresh Water Quality Criteria
The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2005 THROUGH MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	**New Jersey**	TB	FB	SW-2	SW-3	SW-4	SW-12
Lab Sample Number	**Fresh Water - 2**	667584	667585	667603	667604	667605	667606
Sampling Date	**Quality**	09/08/05	09/08/05	09/08/05	09/08/05	09/08/05	09/08/05
Matrix	**Criteria**	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		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
VOLATILE COMPOUNDS (GC/MS)							
Chloromethane	*NA*	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
Vinyl Chloride	*0.083*	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
Methylene Chloride	*2.49*	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
1,1-Dichloroethene	*4.81*	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
trans-1,2-Dichloroethene	*592*	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	0.4 U	0.4 U	1.0
Chloroform	*5.67*	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
1,1,1-Trichloroethane	*127*	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
Bromodichloromethane	*0.266*	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
cis-1,3-Dichloropropene	*0.193*	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	0.4 U	0.4 U	**3.6**
Dibromochloromethane	*72.6*	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
Benzene	*0.15*	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
2-Chloroethyl Vinyl Ether	*NA*	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
Tetrachloroethene	*0.388*	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
Toluene	*7440*	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
Ethylbenzene	*3030*	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
Total Confident Conc. VOAs (s)		0.7	ND	ND	ND	ND	4.6
Total Estimated Conc. VOA TICs (s)							

micrograms/Liter
The compound was not detected at the indicated concentration
No applicable Criteria
Volatile Organic Compounds
Tentatively Identified Compounds
Concentration exceeds Fresh Water Quality Criteria
The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2005 THROUGH MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	**New Jersey**	SW-12	SW-4	SW-3	SW-2	SW-1	SW-12	SW-4
Lab Sample Number	**Fresh Water - 2**	677750	677751	677744	677748	677749	689254	689255
Sampling Date	**Quality**	10/14/05	10/14/05	10/14/05	10/14/05	10/14/05	11/22/05	11/22/05
Matrix	**Criteria**	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		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
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	0.4 U	0.4 U	0.4 U	0.4 U
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	0.4 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)		0	0	0	0	0	0	0
Total Estimated Conc. VOA TICs (s)		0	0	0	0	0	0	0

micrograms/Liter
The compound was not detected at the indicated concentration
No applicable Criteria
Volatile Organic Compounds
Tentatively Identified Compounds
Concentration exceeds Fresh Water Quality Criteria
The numbers in italics are NJ Fresh Water Quality Criteria.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS - JULY 2005 THROUGH MARCH 2006
FORMER LEC SITE
WATCHUNG, NEW JERSEY

Sample ID	**New Jersey**	SW-3	SW-2	SW-1	SW-4	SW-3	SW-2	SW-1	FB030306
Lab Sample Number	**Fresh Water - 2**	689256	689257	689258	714107	714108	714109	714110	714111
Sampling Date	**Quality**	11/22/05	11/22/05	11/22/05	03/06/06	03/06/06	03/06/06	03/06/06	03/06/06
Matrix	**Criteria**	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		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	*NA*	0.3 U	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	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	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	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	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	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	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	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	0.4 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	0.4 U
Chloroform	*5.67*	0.5 U	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	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	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	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	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	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	0.2 U
Trichloroethene	*1.09*	0.4 U	0.4 U	0.4 U	0.4 U	0.6	**1.2**	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	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	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	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	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	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	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	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	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	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	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	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	0.4 U
Total Confident Conc. VOAs (s)		0	0	0	0	0.6	1.2	0	0
Total Estimated Conc. VOA TICs (s)		0	0	0	0	0	0	0	0

micrograms/Liter
The compound was not detected at the indicated concentration
No applicable Criteria
Volatile Organic Compounds
Tentatively Identified Compounds
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	
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	J
SW-1	Aug-94	Trichloroethene	0.12	ug/L	J
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	
SW-1	Jul-03	Trichloroethene	0.7	ug/L	
SW-1	Aug-03	Trichloroethene	0.2	ug/L	U
SW-1	Sep-03	Trichloroethene	0.3	ug/L	U
SW-1	Oct-03	Trichloroethene	0.2	ug/L	U
SW-1	Nov-03	Trichloroethene	0.2	ug/L	U
SW-1	Dec-03	Trichloroethene	0.2	ug/L	U
SW-1	Jan-04	Trichloroethene	0.2	ug/L	U
SW-1	Feb-04	Trichloroethene	0.2	ug/L	U
SW-1	Mar-04	Trichloroethene	0.2	ug/L	U
SW-1	Apr-04	Trichloroethene	0.2	ug/L	U
SW-1	May-04	Trichloroethene	0.2	ug/L	U
SW-1	Jun-04	Trichloroethene	0.2	ug/L	U
SW-1	Jul-04	Trichloroethene	0.4	ug/L	U
SW-1	Aug-04	Trichloroethene	0.4	ug/L	U
SW-1	Sep-04	Trichloroethene	0.4	ug/L	U
SW-1	Oct-04	Trichloroethene	0.4	ug/L	U
SW-1	Nov-04	Trichloroethene	0.4	ug/L	U
SW-1	Dec-04	Trichloroethene	0.4	ug/L	U
SW-1	Jan-05	Trichloroethene	0.4	ug/L	U
SW-1	Feb-05	Trichloroethene	0.4	ug/L	U
SW-1	Mar-05	Trichloroethene	0.4	ug/L	U
SW-1	Apr-05	Trichloroethene	0.4	ug/L	U
SW-1	May-05	Trichloroethene	0.4	ug/L	U
SW-1	Jun-05	Trichloroethene	0.4	ug/L	U
SW-1	Jul-05	Trichloroethene	0.4	ug/L	U
SW-1	Aug-05	Trichloroethene	NS	NS	NS
SW-1	Sep-05	Trichloroethene	NS	NS	NS
SW-1	Oct-05	Trichloroethene	0.4	ug/L	U
SW-1	Nov-05	Trichloroethene	0.4	ug/L	U
SW-1	Mar-06	Trichloroethene	0.4	ug/L	U
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	
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	D
SW-2	Oct-94	Trichloroethene	47	ug/L	
SW-2	Nov-94	Trichloroethene	71.2	ug/L	J
SW-2	Dec-94	Trichloroethene	75.5	ug/L	
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	

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

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
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	
SW-2	Jul-03	Trichloroethene	3.6	ug/L	
SW-2	Aug-03	Trichloroethene	2.2	ug/L	
SW-2	Sep-03	Trichloroethene	0.3	ug/L	U
SW-2	Oct-03	Trichloroethene	0.2	ug/L	U
SW-2	Nov-03	Trichloroethene	0.2	ug/L	U
SW-2	Dec-03	Trichloroethene	0.2	ug/L	U
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	U
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	
SW-2	Sep-04	Trichloroethene	0.4	ug/L	U
SW-2	Oct-04	Trichloroethene	1.7	ug/L	
SW-2	Nov-04	Trichloroethene	0.4	ug/L	U
SW-2	Dec-04	Trichloroethene	0.5	ug/L	
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	U
SW-2	Jun-05	Trichloroethene	0.5	ug/L	
SW-2	Jul-05	Trichloroethene	0.4	ug/L	U
SW-2	Aug-05	Trichloroethene	0.4	ug/L	U
SW-2	Sep-05	Trichloroethene	0.4	ug/L	U
SW-2	Oct-05	Trichloroethene	0.4	ug/L	U
SW-2	Nov-05	Trichloroethene	0.4	ug/L	U
SW-2	Mar-06	Trichloroethene	1.2	ug/L	
SW-3	Jun-94	Trichloroethene	34.00	ug/L	
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	J
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	

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

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
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	
SW-3	Sep-03	Trichloroethene	0.3	ug/L	U
SW-3	Oct-03	Trichloroethene	0.2	ug/L	U
SW-3	Nov-03	Trichloroethene	0.2	ug/L	U
SW-3	Dec-03	Trichloroethene	0.2	ug/L	U
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	U
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	U
SW-3	Jul-04	Trichloroethene	0.4	ug/L	U
SW-3	Aug-04	Trichloroethene	0.4	ug/L	U
SW-3	Sep-04	Trichloroethene	0.4	ug/L	U
SW-3	Oct-04	Trichloroethene	0.7	ug/L	
SW-3	Nov-04	Trichloroethene	0.4	ug/L	U
SW-3	Dec-04	Trichloroethene	0.4	ug/L	U
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-3	Aug-05	Trichloroethene	0.4	ug/L	U
SW-3	Sep-05	Trichloroethene	0.4	ug/L	U
SW-3	Oct-05	Trichloroethene	0.4	ug/L	U
SW-3	Nov-05	Trichloroethene	0.4	ug/L	U
SW-3	Mar-06	Trichloroethene	0.6	ug/L	
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	

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

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
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
SW-4	Aug-05	Trichloroethene	0.4	ug/L	U
SW-4	Sep-05	Trichloroethene	0.4	ug/L	U
SW-4	Oct-05	Trichloroethene	0.4	ug/L	U
SW-4	Nov-05	Trichloroethene	0.4	ug/L	U
SW-4	Mar-06	Trichloroethene	0.4	ug/L	U
SW-12	Dec-02	Trichloroethene	7.8	ug/L	
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	U
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	
SW-12	Mar-04	Trichloroethene	0.2	ug/L	U
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	

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

Location	Sample Date	Analyte	Conc	Result Unit	Qualifiers
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	
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	U
SW-12	Jun-05	Trichloroethene	2.9	ug/L	
SW-12	Jul-05	Trichloroethene	3.3	ug/L	
SW-12	Aug-05	Trichloroethene	3.0	ug/L	
SW-12	Sep-05	Trichloroethene	3.6	ug/L	
SW-12	Oct-05	Trichloroethene	0.4	ug/L	U
SW-12	Nov-05	Trichloroethene	0.4	ug/L	U

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 approximate.
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
July 2005	360	5.1	0.5	129.1	5.58	61
August 2005	270	76	0.6	126.6	5.47	66.3
September 2005	240	120	NS	125.6	5.43	62.4
October 2005	320	2.9	0.5	82.7	3.57	49.9
November 2005	280	9	NS	126.5	5.47	58.9
December 2005	280	67	NS	126.9	5.48	56.5
January 2006	210	100	NS	126.3	5.46	60
February 2006	180	1.6	1.0	119.6	5.17	58.8
March 2006	260	4.1	NS	126.5	5.47	59.2

NS	Not sampled, only need to sample effluent one time per quarter as per NJPDES Permit
ND	The compound was not detected at the indicated concentration.
ug/L	micrograms/Liter
gpm	gallons per minute
MGM	million gallons per month

APPENDIX A

Contour Map Reporting Forms

CONTOUR MAP REPORTING FORM –
Shallow Zone
September 7, 2005

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____X No _ . If yes, identify these wells. All the wells used in the construction of contours are for monitoring a chlorinated solvent plume. The well screens are typically below static water level.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___X No_ Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3-includes the wells listed in shallow zone which are included on the contour map.

8. Were the ground water contours computer generated __, computer aided __, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

CONTOUR MAP REPORTING FORM –
Intermediate Zone
September 7, 2005

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____No X . If yes, identify these wells. The wells used in this contour map are screened within an intermediate bedrock zone.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___X No___ Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3 for the wells used in the intermediate zone contour map

8. Were the ground water contours computer generated __, computer aided ___, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

CONTOUR MAP REPORTING FORM –
Deep Zone
September 7, 2005

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____No X . If yes, identify these wells. The wells used in this contour map are screened within the deep bedrock zone.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes_____No___X Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3 for the wells used in the deep zone contour map

8. Were the ground water contours computer generated __, computer aided __, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

CONTOUR MAP REPORTING FORM –
Shallow Zone
March 6, 2006

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____X No _ . If yes, identify these wells. All the wells used in the construction of contours are for monitoring a chlorinated solvent plume. The well screens are typically below static water level.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___X No_ Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3-includes the wells listed in shallow zone which are included on the contour map.

8. Were the ground water contours computer generated __, computer aided __, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

CONTOUR MAP REPORTING FORM –
Intermediate Zone
March 6, 2006

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____No X . If yes, identify these wells. The wells used in this contour map are screened within an intermediate bedrock zone.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___X No___ Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3 for the wells used in the intermediate zone contour map

8. Were the ground water contours computer generated __, computer aided ___, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

CONTOUR MAP REPORTING FORM –
Deep Zone
March 6, 2006

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___No___X. If yes, attach new "Well Certification - Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitoring wells in unconfined aquifers in which in which the water table elevation is higher than the top of the well screen? Yes_____No X . If yes, identify these wells. The wells used in this contour map are screened within the deep bedrock zone.

3. Are there any monitoring wells present at the site but omitted from the contour map? Yes _____No___X . Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitoring wells containing separate phase product during this measuring event? Yes _____ No___X. Were any of the monitoring wells with separate phase product included in the ground water contour map? Yes_____ No __ . If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45° from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

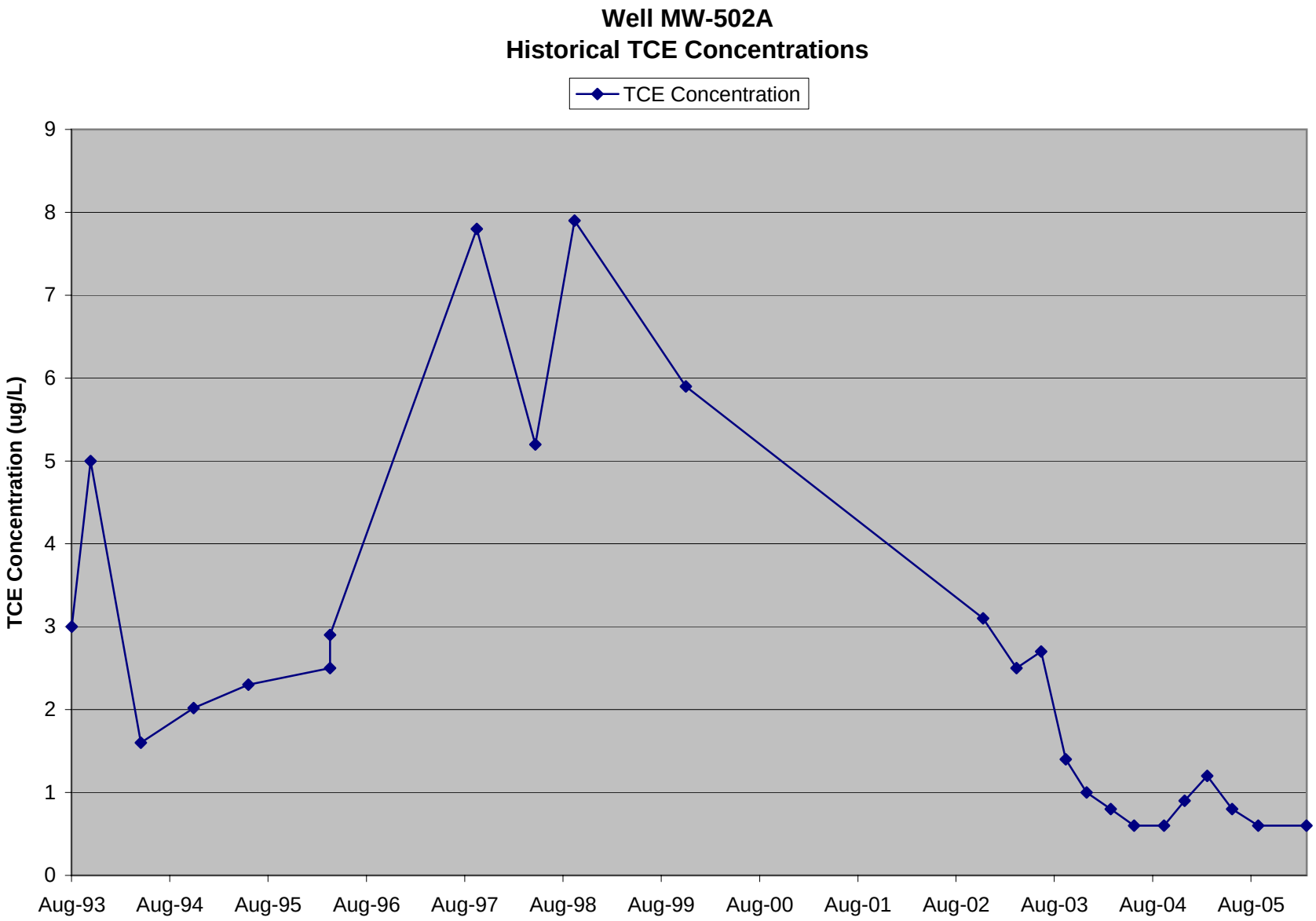
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes_____No___X Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

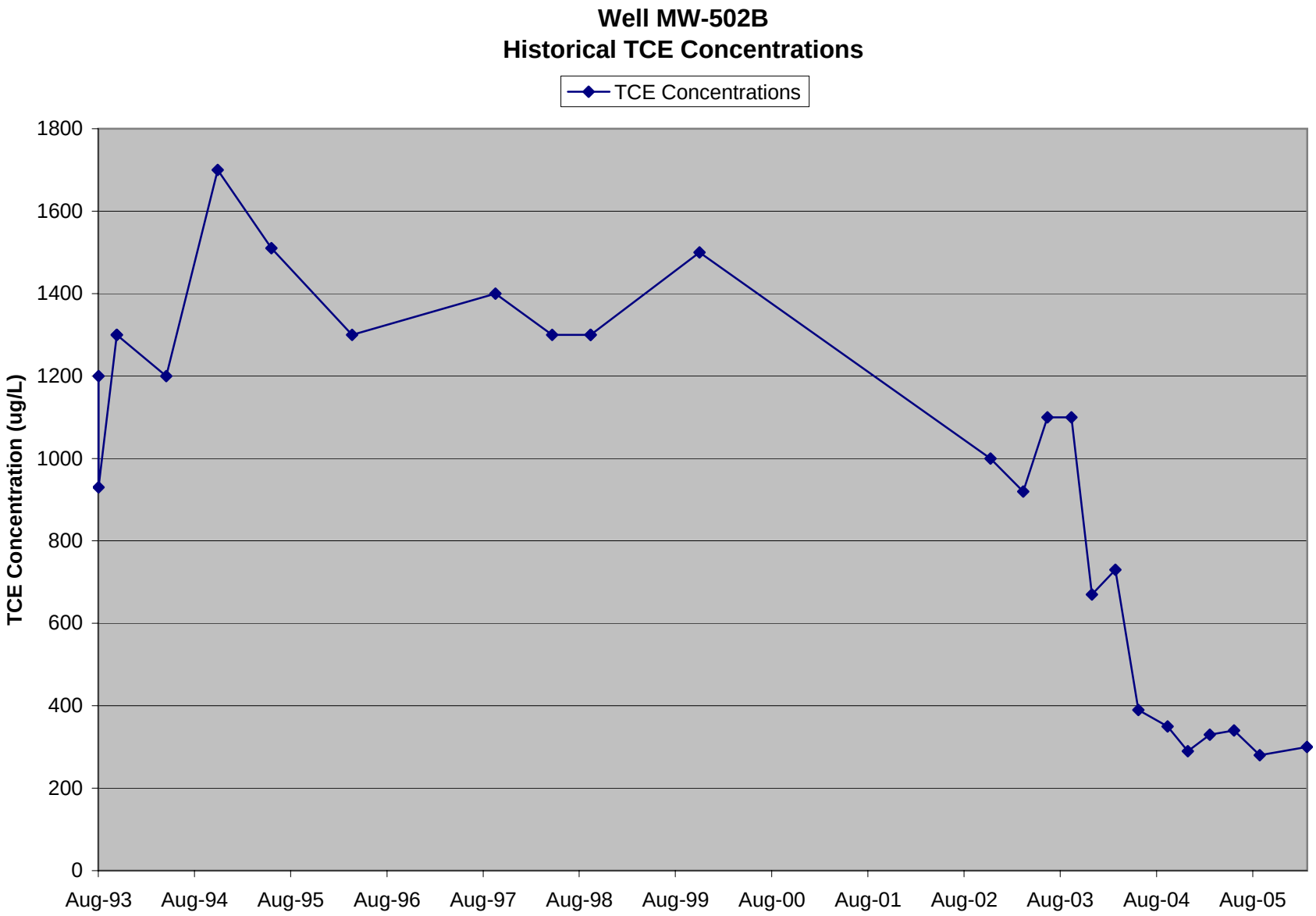
7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes X No___. If no, justify inclusion of those wells. See Table 3 for the wells used in the deep zone contour map

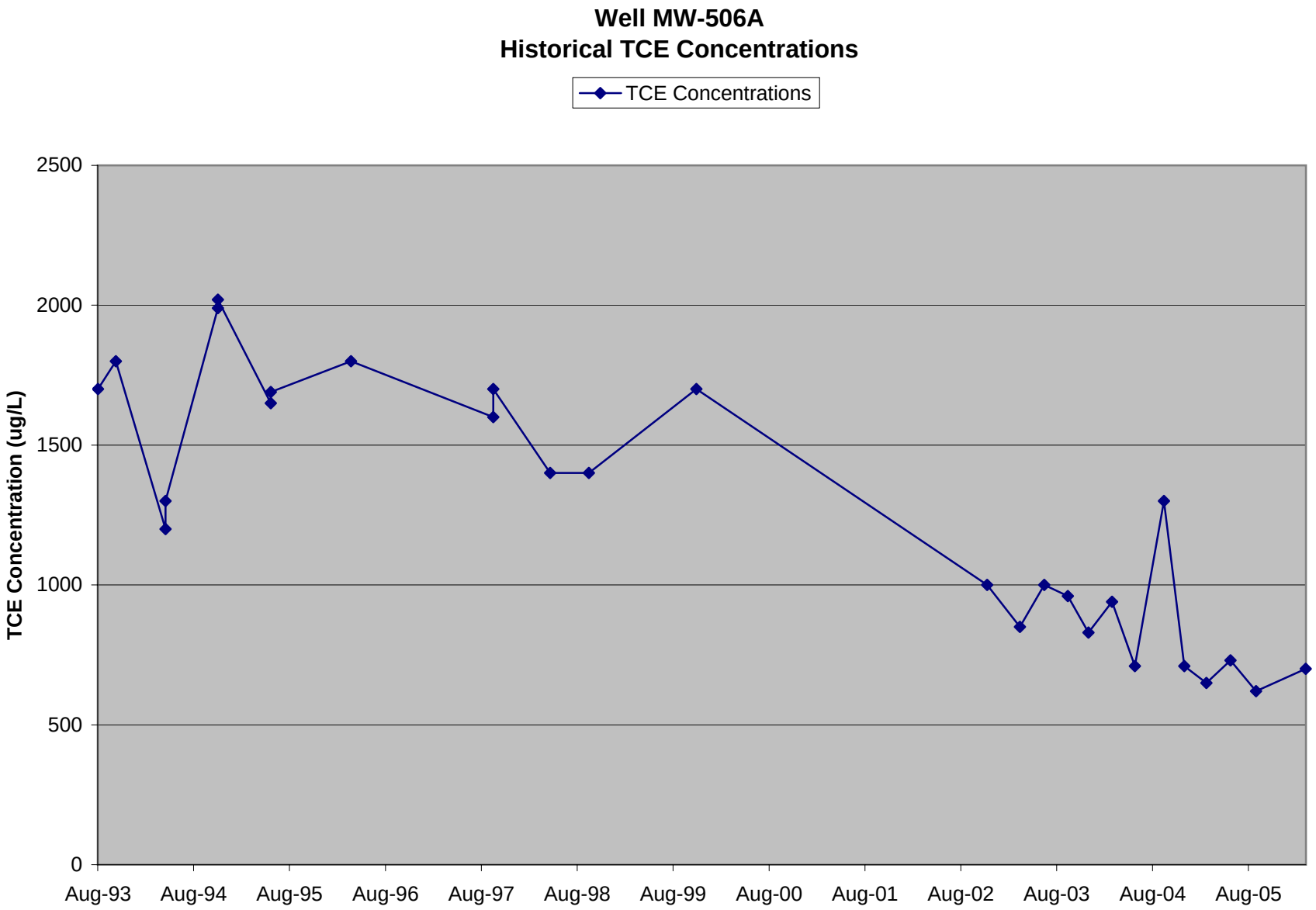
8. Were the ground water contours computer generated __, computer aided __, or hand-drawn X ? If computer aided or generated, identify the interpolation method(s) used.

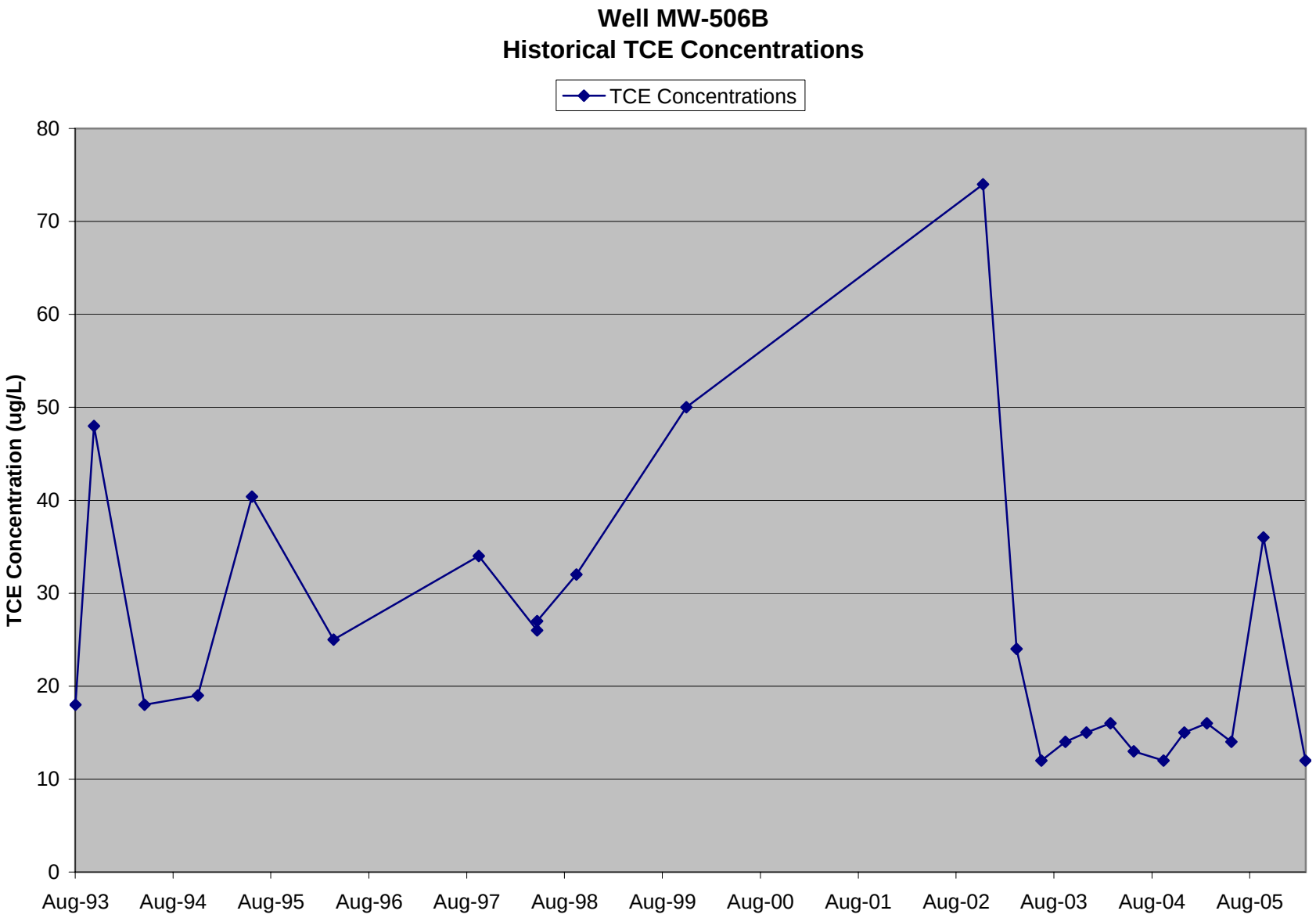
APPENDIX B

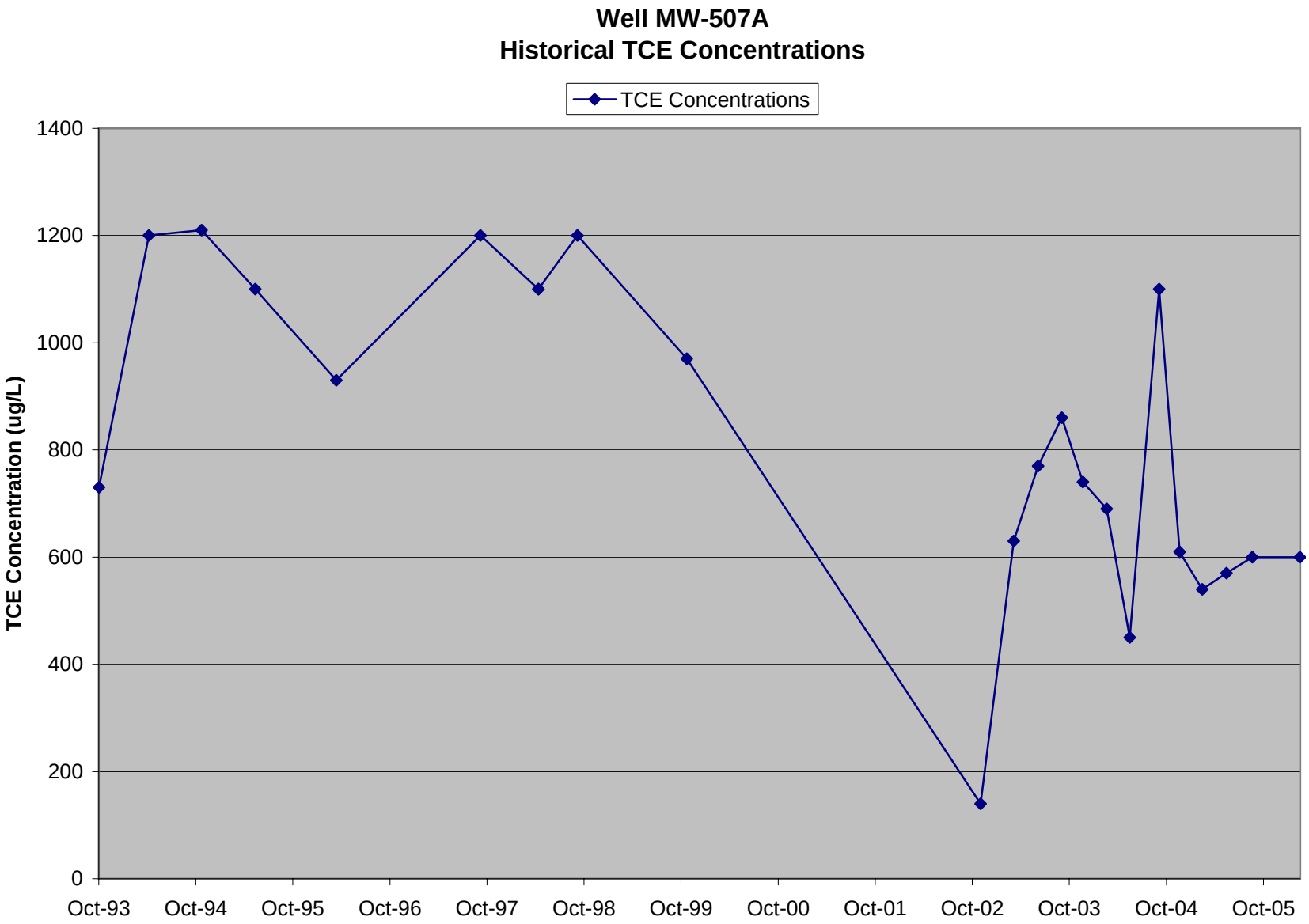
Plots of TCE Concentrations Versus Time for Selected Monitoring Wells

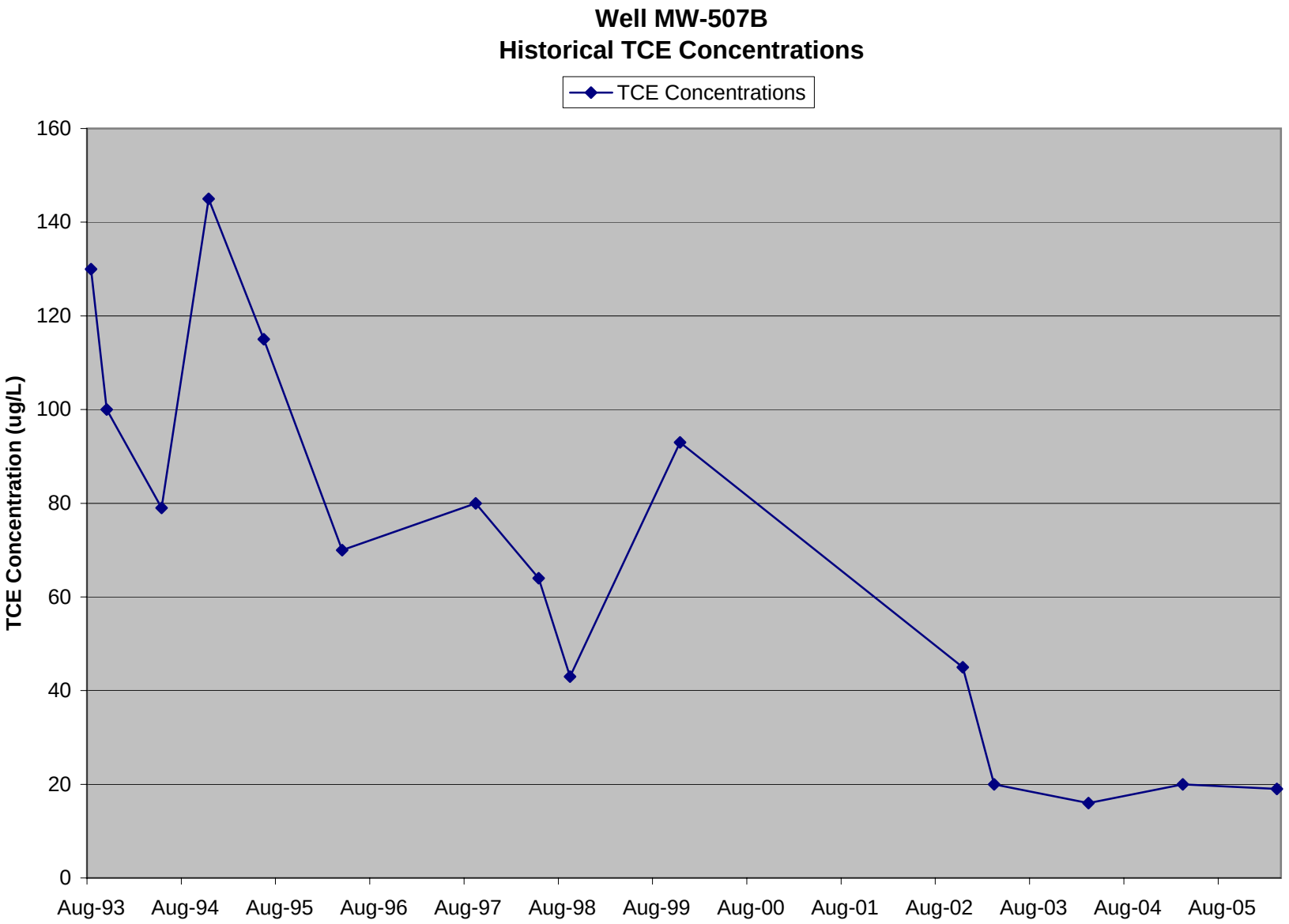

Well MW-502A
Historical TCE Concentrations
TCE Concentration
TCE Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

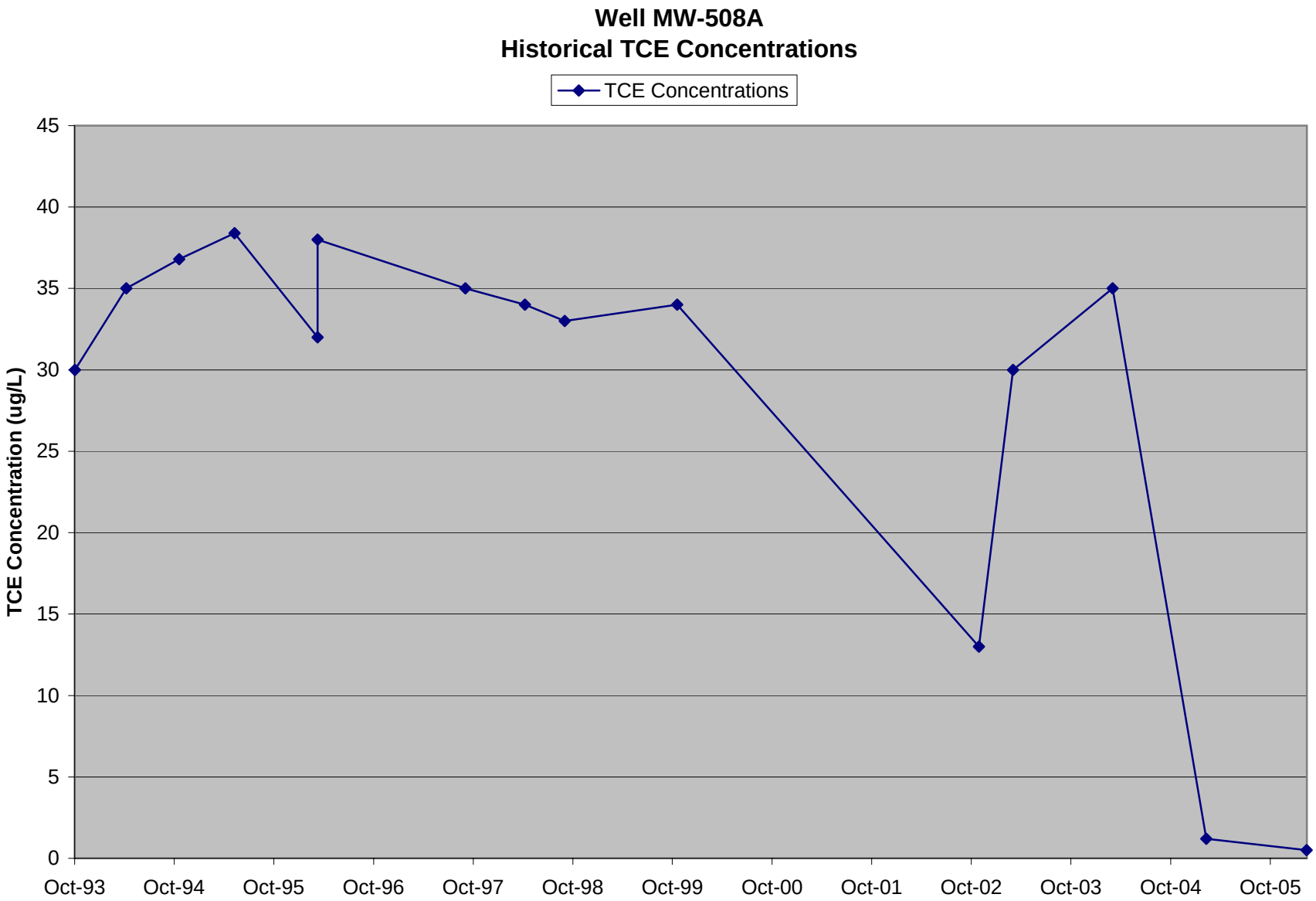

Well MW-502B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

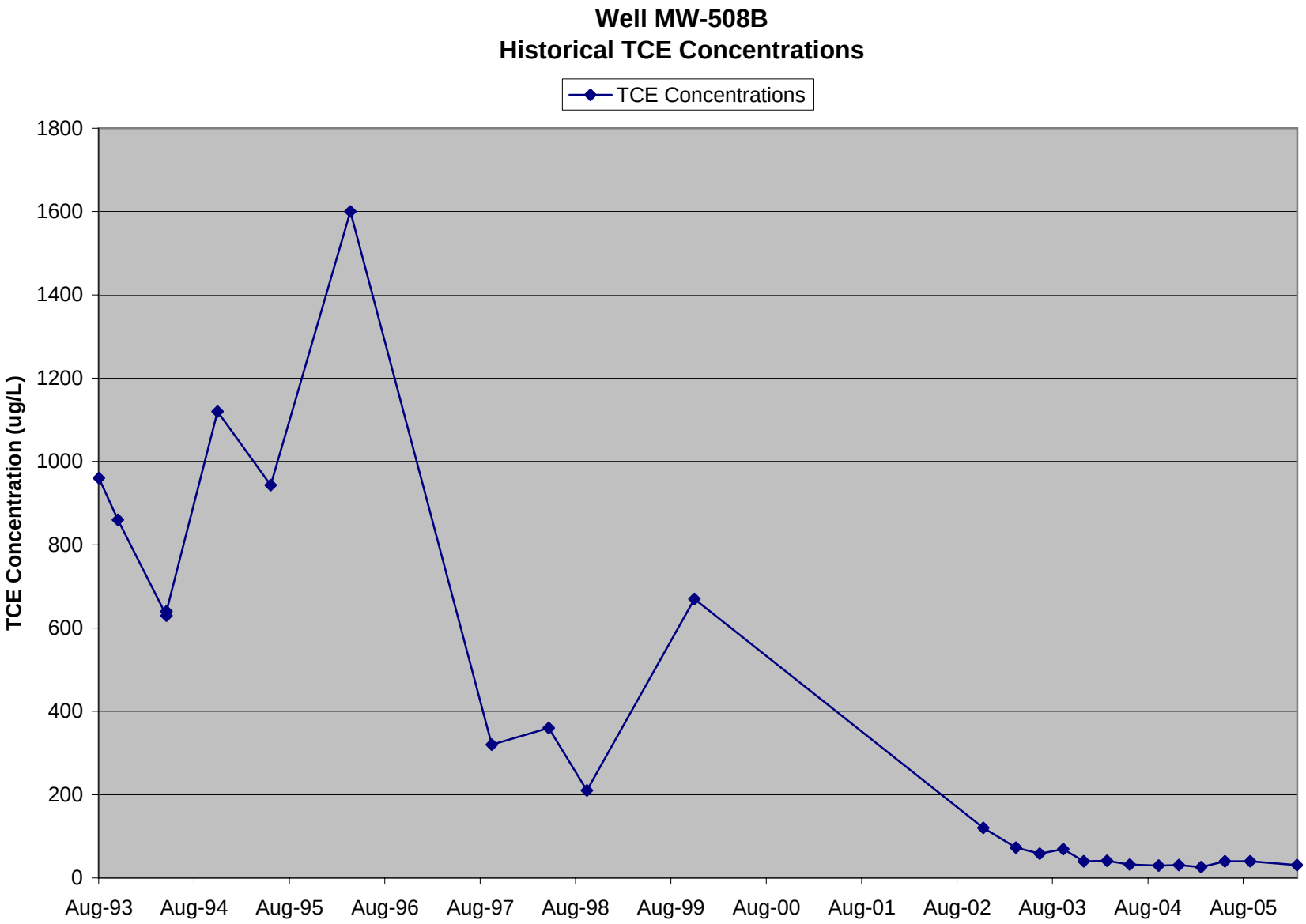

Well MW-506A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
2500
2000
1500
1000
500
0
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

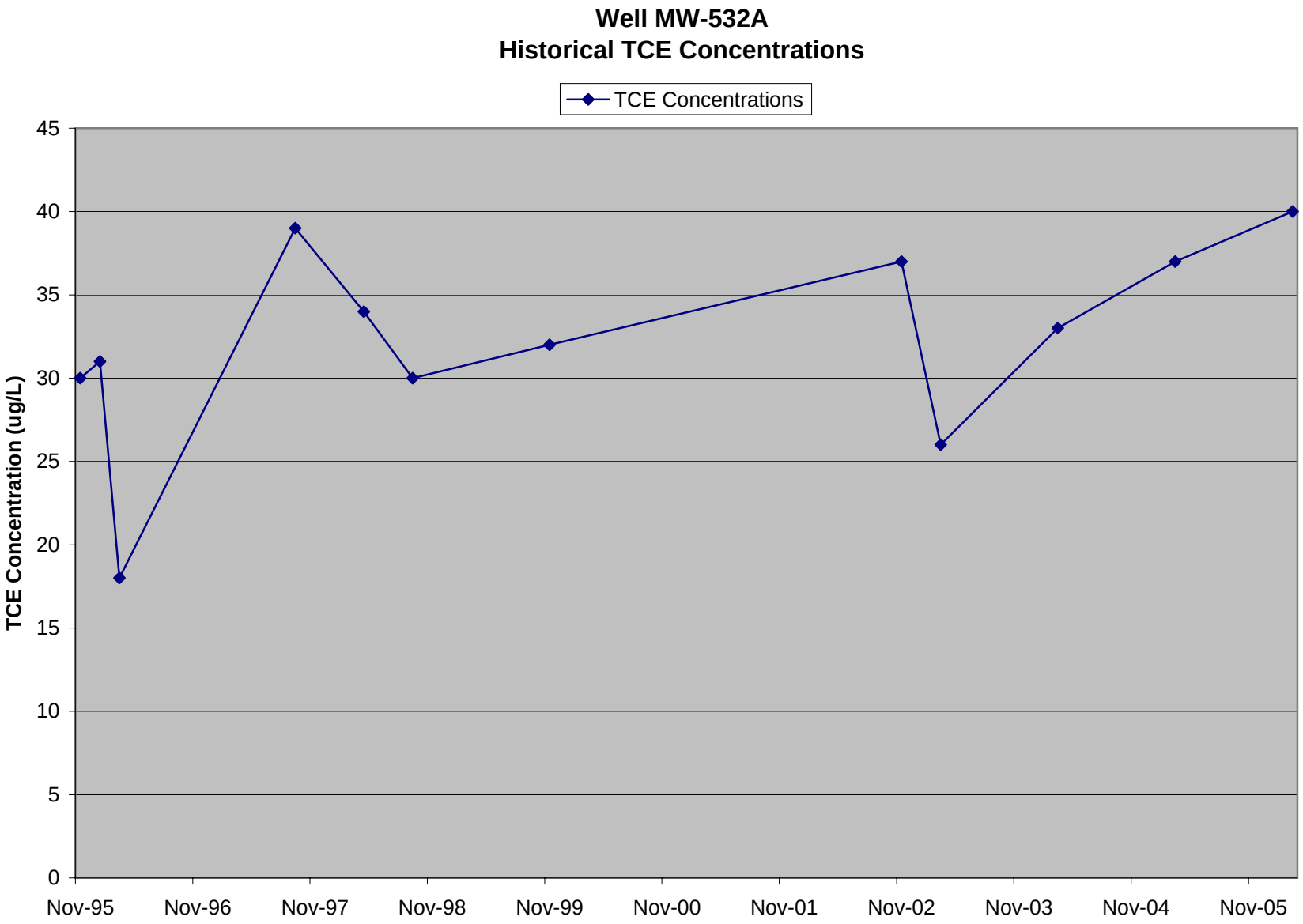

Well MW-506B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

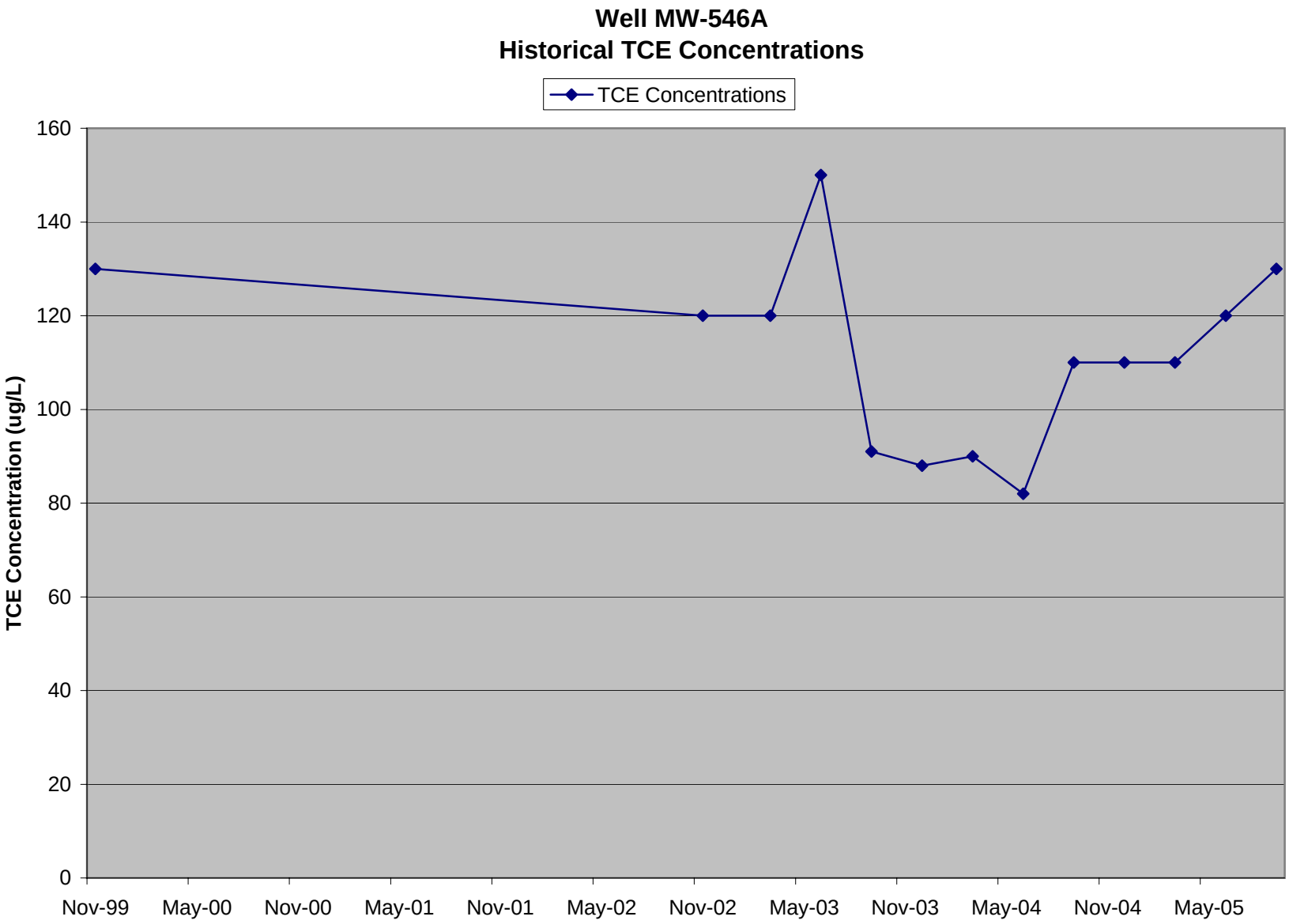

Well MW-507A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Oct-93
Oct-94
Oct-95
Oct-96
Oct-97
Oct-98
Oct-99
Oct-00
Oct-01
Oct-02
Oct-03
Oct-04
Oct-05

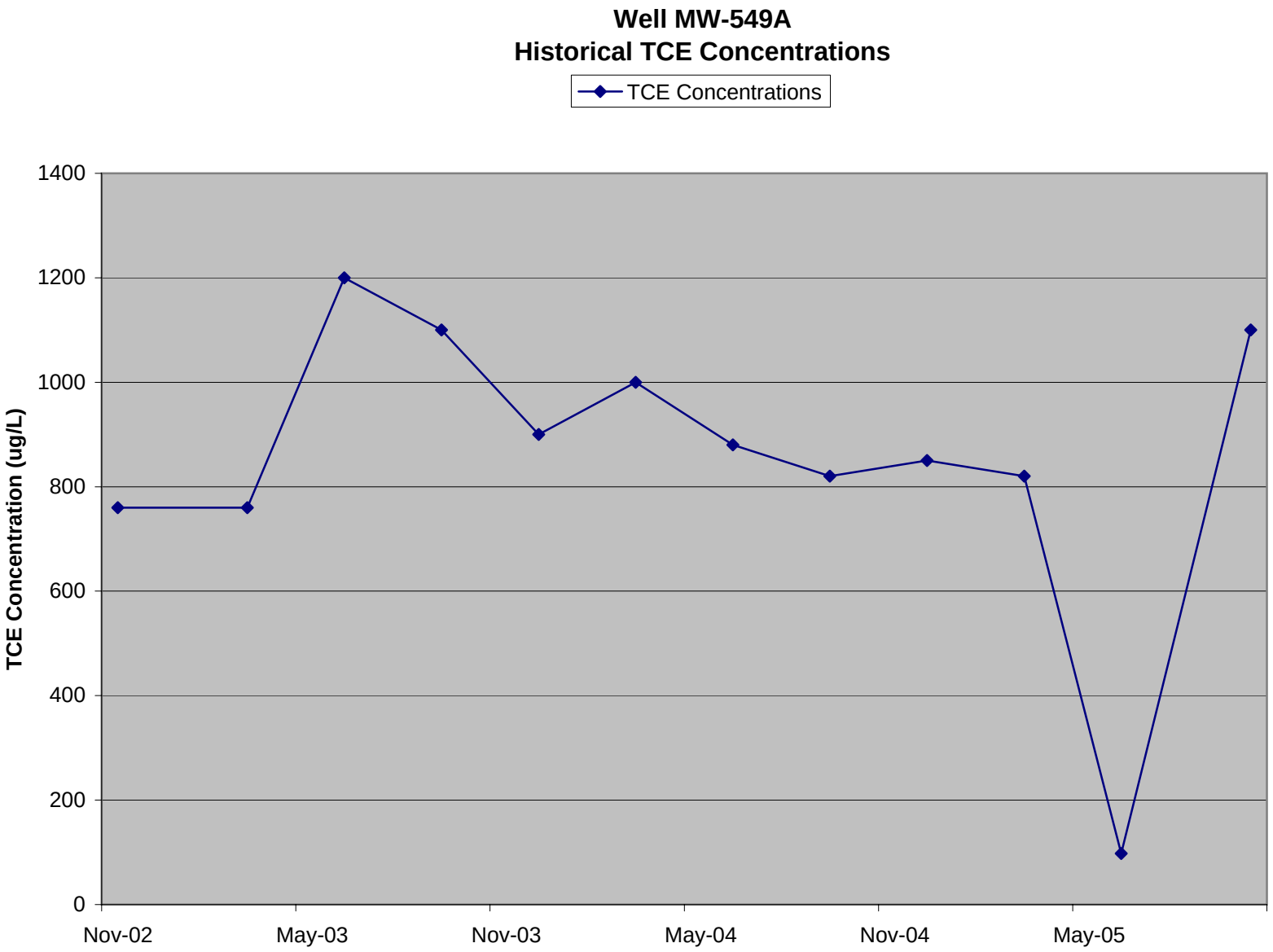

Well MW-507B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

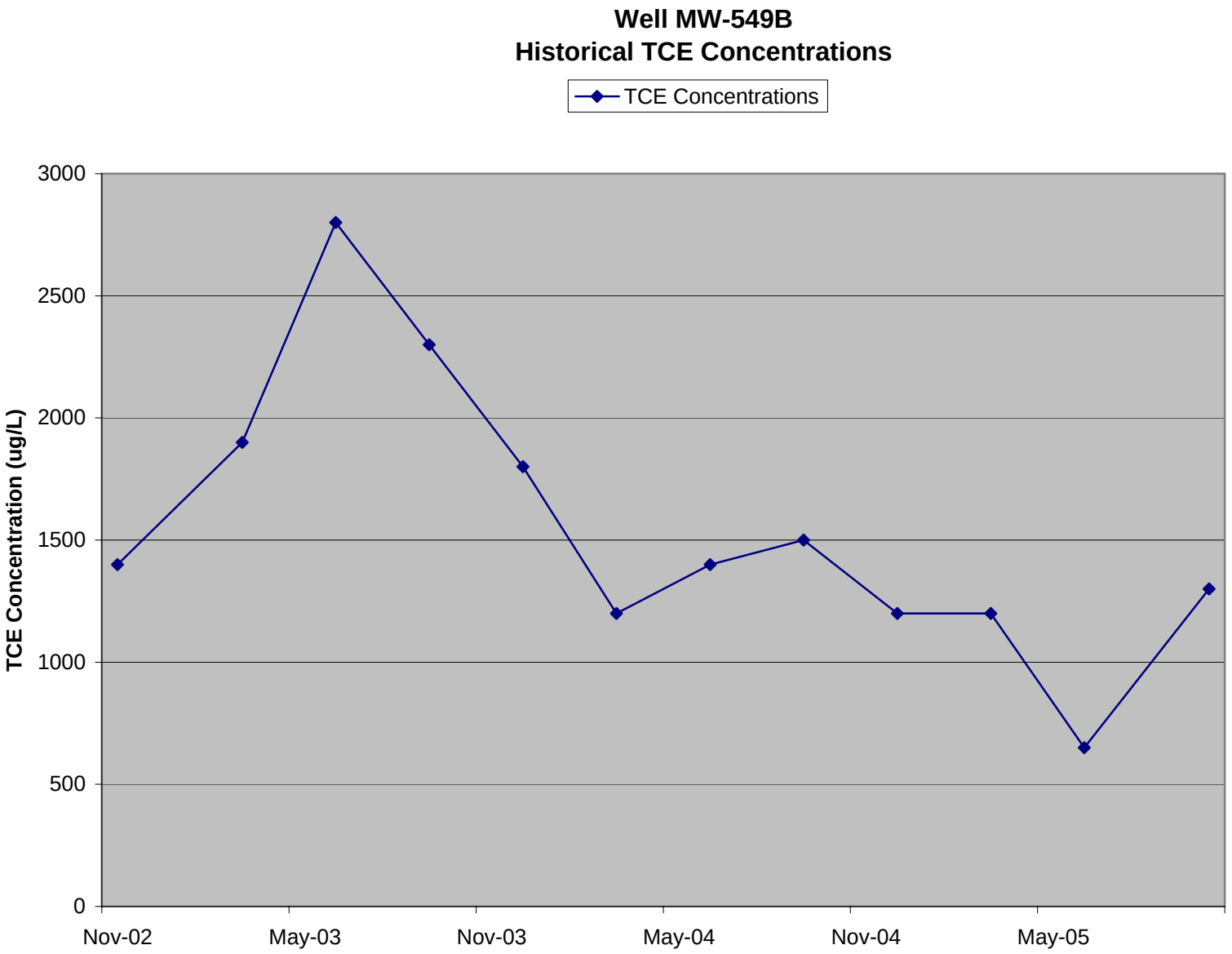

Well MW-508A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Oct-93
Oct-94
Oct-95
Oct-96
Oct-97
Oct-98
Oct-99
Oct-00
Oct-01
Oct-02
Oct-03
Oct-04
Oct-05

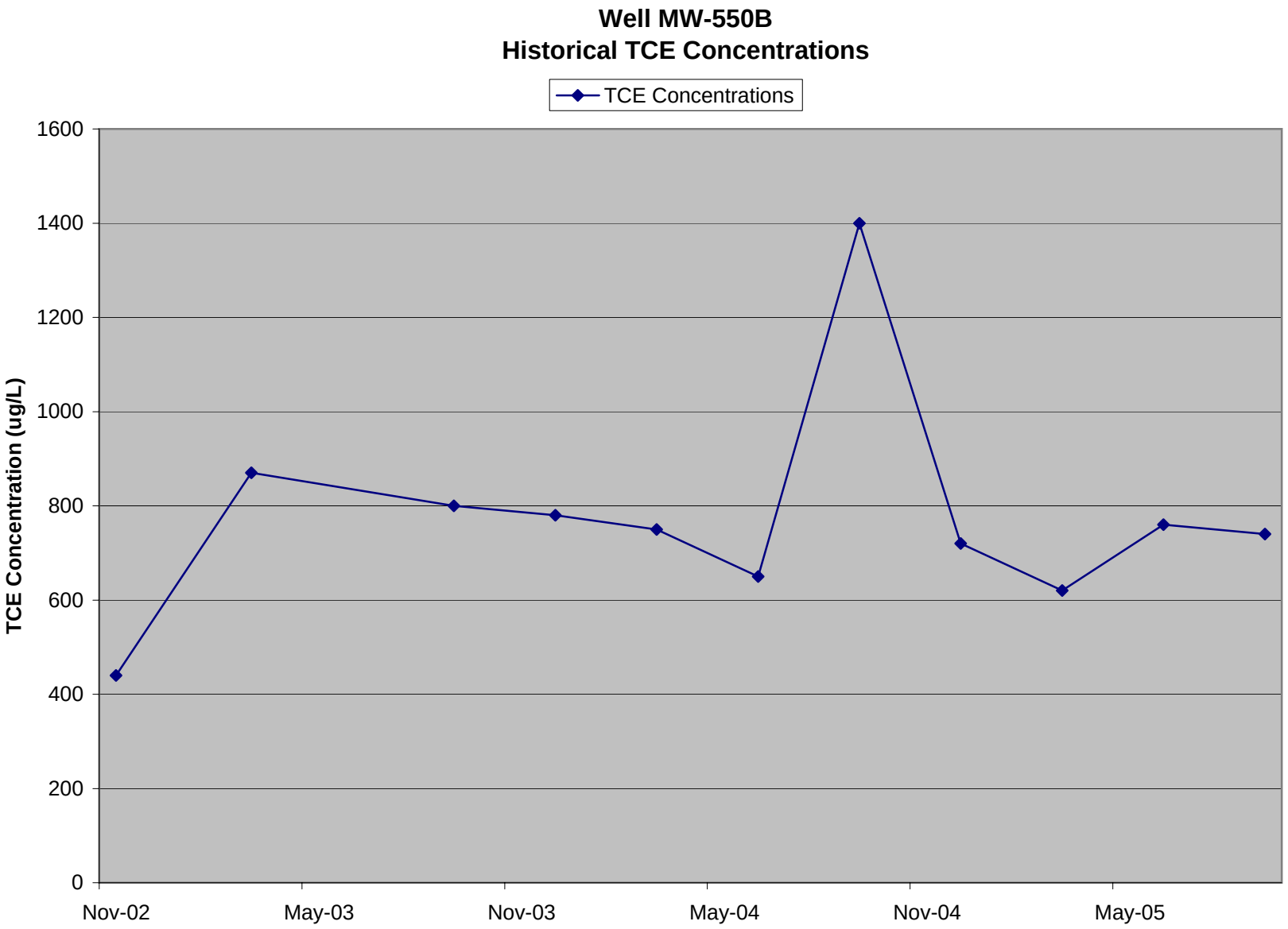

Well MW-508B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Aug-93
Aug-94
Aug-95
Aug-96
Aug-97
Aug-98
Aug-99
Aug-00
Aug-01
Aug-02
Aug-03
Aug-04
Aug-05

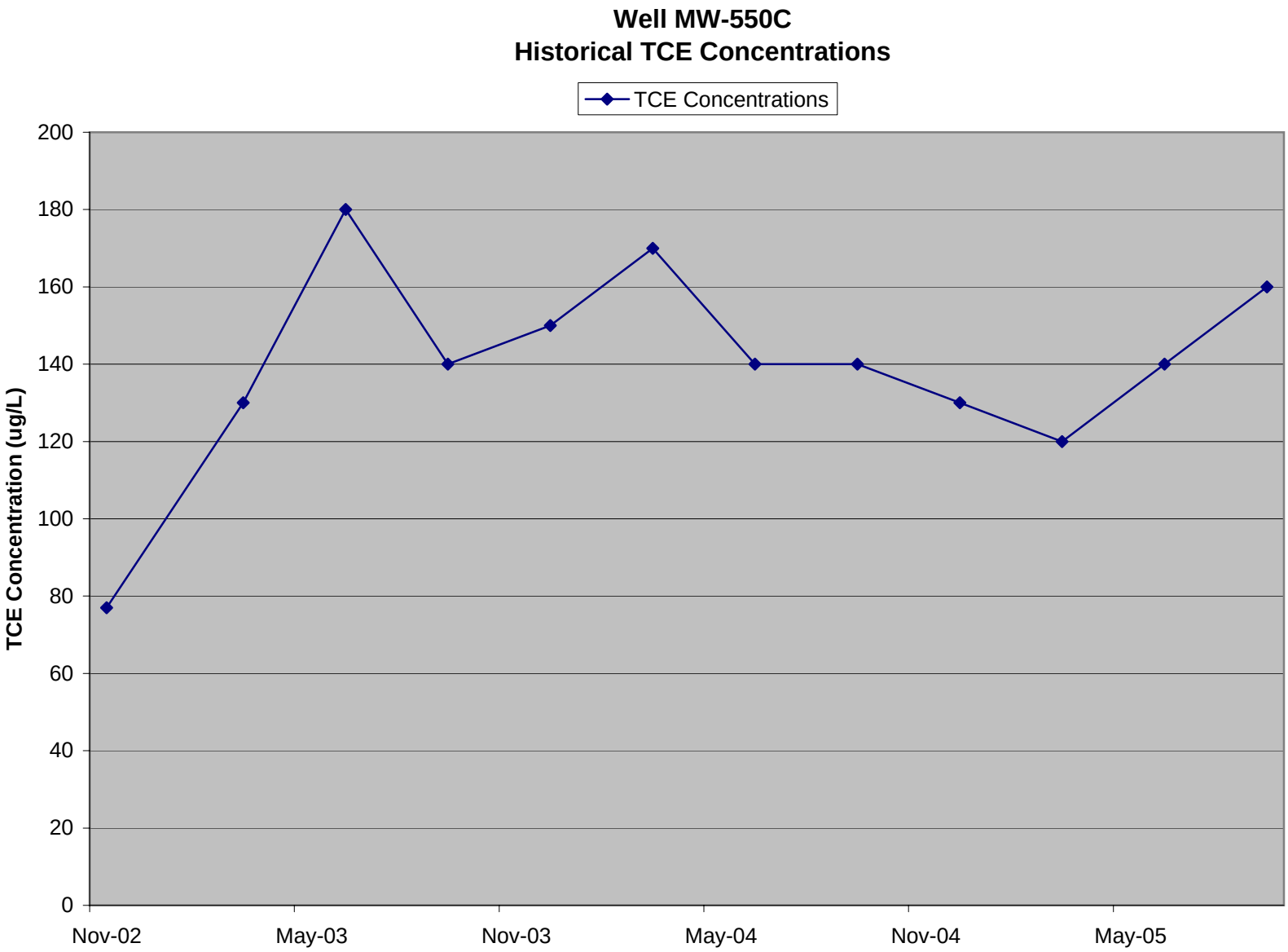

Well MW-532A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Nov-95
Nov-96
Nov-97
Nov-98
Nov-99
Nov-00
Nov-01
Nov-02
Nov-03
Nov-04
Nov-05

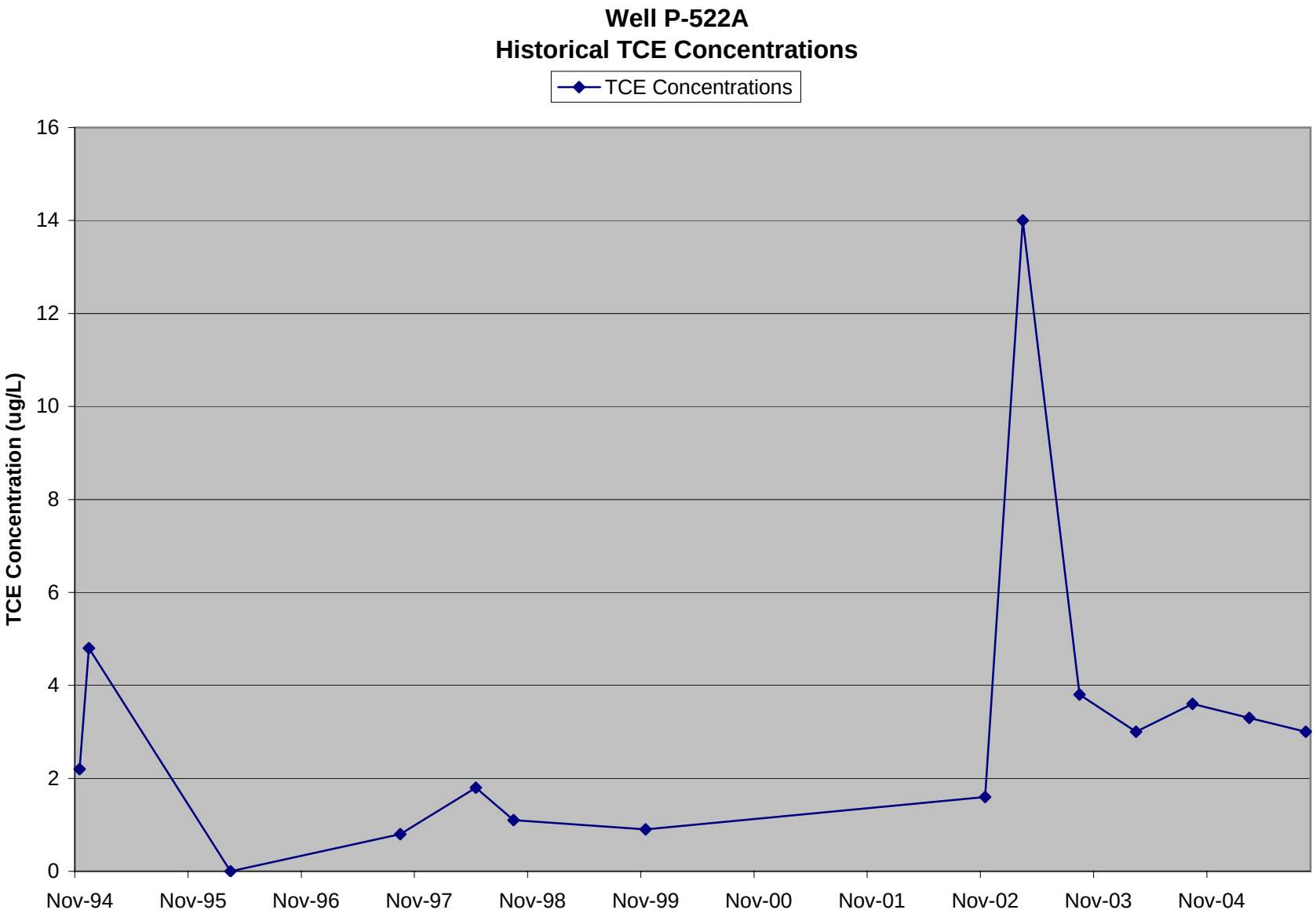

Well MW-546A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05

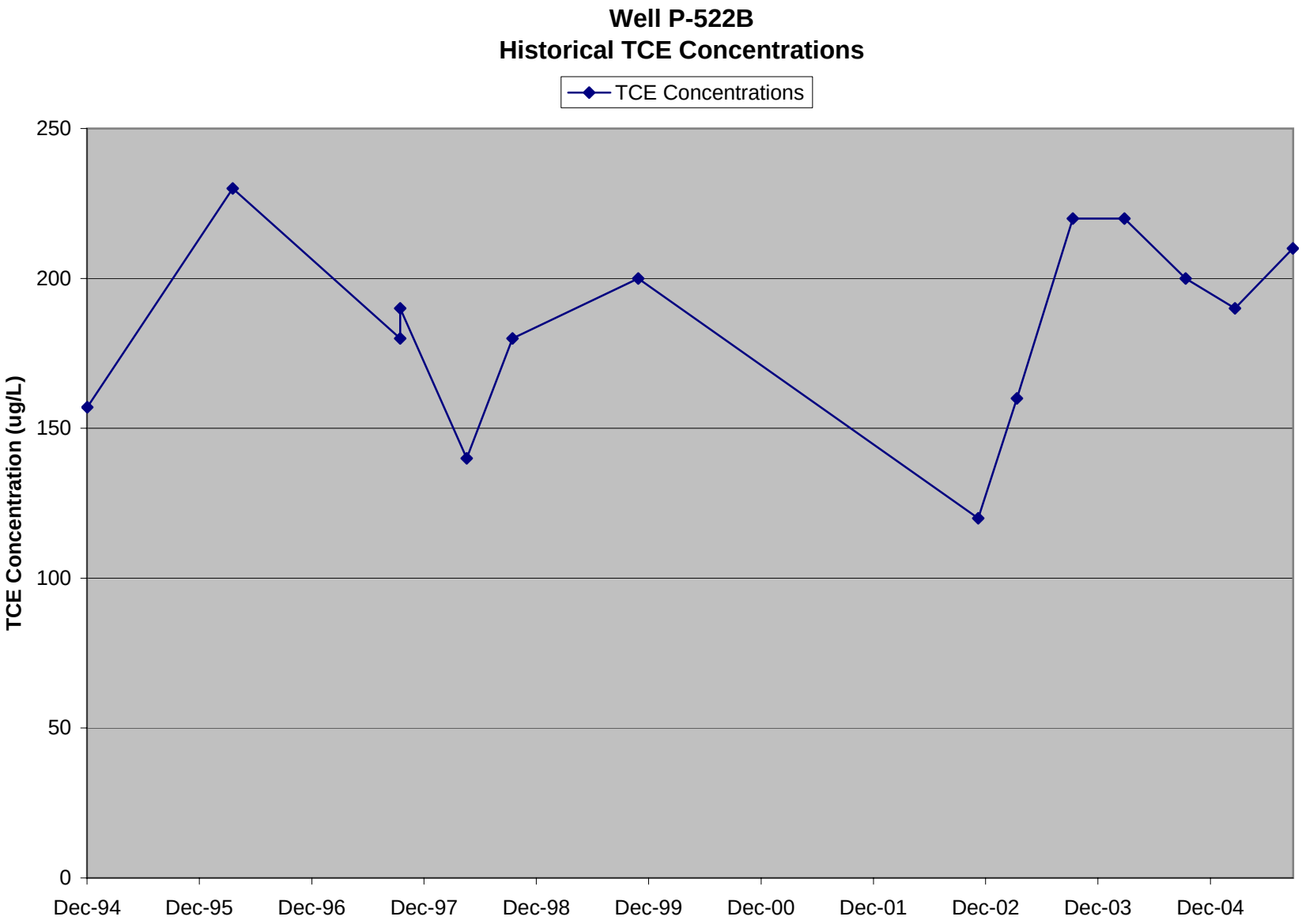

Well MW-549A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05

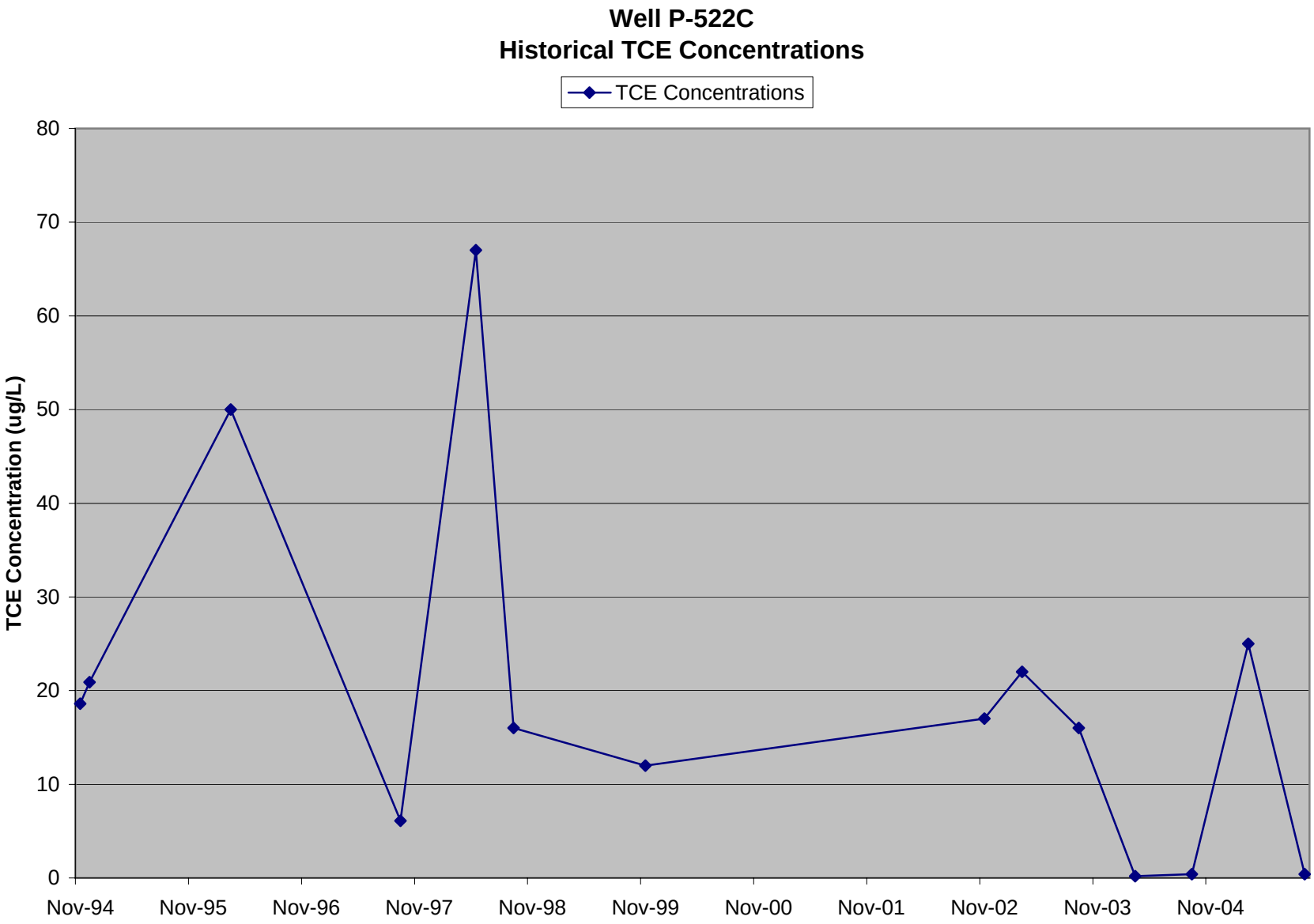

Well MW-549B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05


Well MW-550B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
1600
1400
1200
1000
800
600
400
200
0
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05


Well MW-550C
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05


Well P-522A
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Nov-94
Nov-95
Nov-96
Nov-97
Nov-98
Nov-99
Nov-00
Nov-01
Nov-02
Nov-03
Nov-04


Well P-522B
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
250
200
150
100
50
0
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04


Well P-522C
Historical TCE Concentrations
TCE Concentrations
TCE Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Nov-94
Nov-95
Nov-96
Nov-97
Nov-98
Nov-99
Nov-00
Nov-01
Nov-02
Nov-03
Nov-04

APPENDIX C

Stream Field Measurements

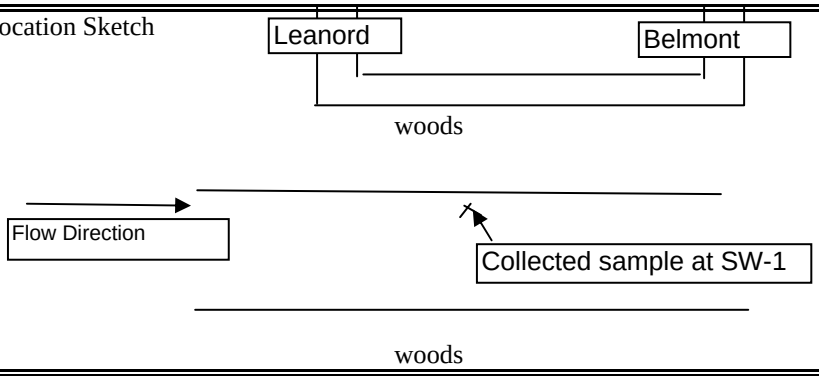
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	7/15/2005
Stream Location:	Crab Brook	Sample Time:	11:45
Sample Location:	SW-1	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-1	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	clear	Sampler(s):	TD
pH	7.49 s.u.	Temperature	22.2 ΛC
Conductivity	0.647 mS/cm^2	Salinity	0.3 %
Turbidity	NM	Eh	NM
DO	6.04 mg/L		
Sample Bottles ID	SW-1	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Belmont & Leanord

SW-1	Width ft	Depth ft	Velocity ft/sec	Stream Flow ft3/sec	Stream Flow gpm
#1	1.0	0.10	0.0	0.000	0.000
#2	1.0	0.10	0.0	0.000	0.000
#3	1.0	0.10	0.0	0.000	0.000
#4	1.0	0.40	0.20	0.080	35.904
#5	1.0	0.40	0.20	0.080	35.904
#6	1.0	0.20	0.20	0.040	17.952
Total Width	6.0			0.200	89.760

NOTE:

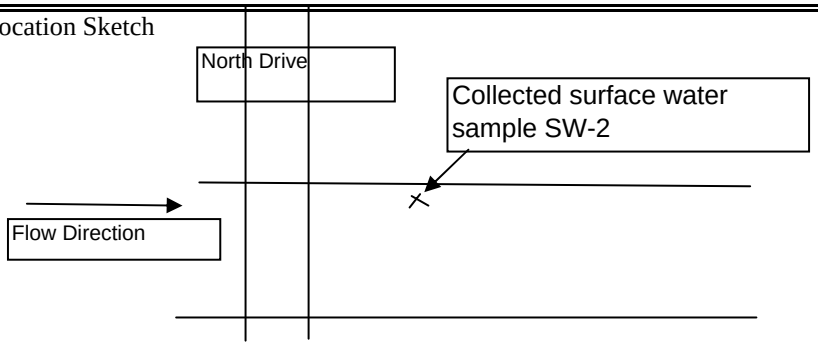
TRC VECTRE
SAMPLE DATA RECORD : Crab brook

Site ID:	Former LEC Site	Sample Date:	7/15/2005
Stream Location:	Crab Brook	Sample Time:	11:00
Sample Location:	SW-2	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-2	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	clear	Sampler(s):	TD
pH	7.50 s.u.	Temperature	20.2 ΛC
Conductivity	0.648 mS/cm^2	Salinity	0.3%
Turbidity	NM	Eh	NM
DO	7.06 mg/L		
Sample Bottles ID	SW-2	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
North Drive

SW-2	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.20	0.10	0.0	8.976
#2	1.0	0.20	0.10	0.0	8.976
#3	1.0	0.30	0.27	0.081	36.353
#4	1.0	0.40	0.27	0.108	48.470
#5	1.0	0.20	0.10	0.02	8.976
Total Width	6.0			0.25	111.75

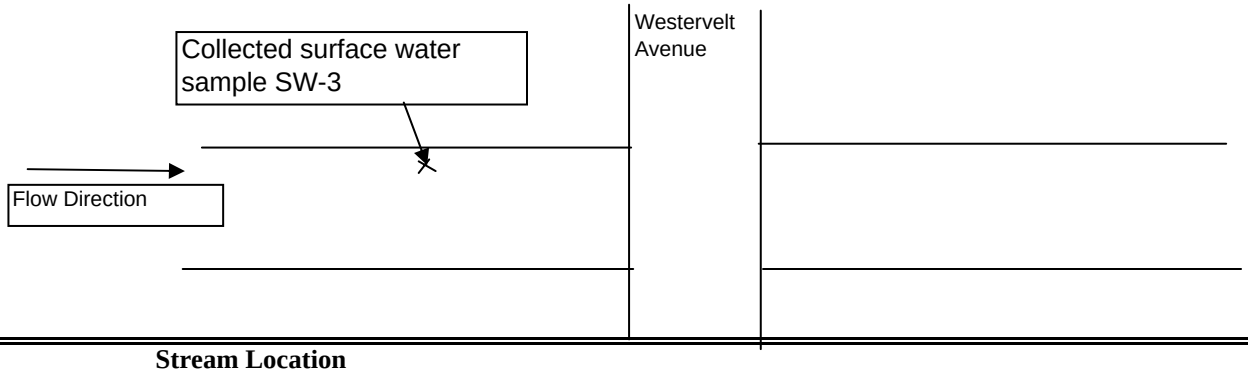
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	7/15/2005
Stream Location:	Crab Brook	Sample Time:	10:00
Sample Location:	SW-3	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-3	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	clear/none	Sampler(s):	TD
pH	7.39 s.u.	Temperature	18.9 ΛC
Conductivity	0.641 mS/cm^2	Salinity	0.3%
Turbidity	NM	Eh	NM
DO	7.54 mg/L		
Sample Bottles ID	SW-3	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Westervelt Avenue

SW-3	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.05	0.40	0.020	8.976
#2	1.0	0.05	0.44	0.022	9.8736
#3	1.0	0.05	0.44	0.022	9.8736
#4	1.0	0.01	0.44	0.004	1.97
#5	1.0	0.05	0.59	0.0295	13.2396
Total Width	6.0			0.098	43.93752

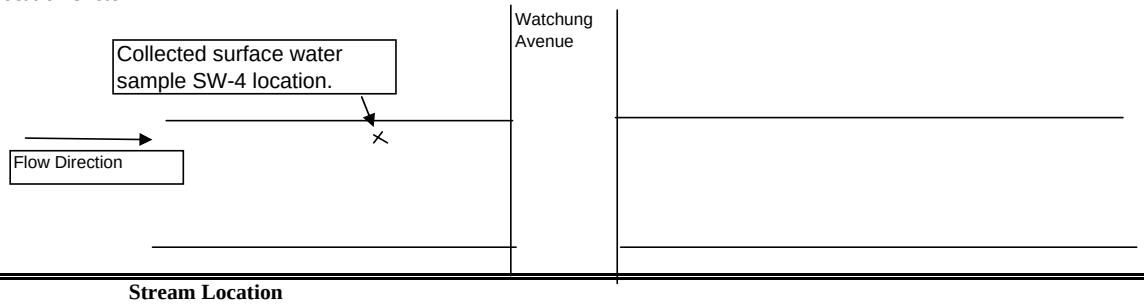
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	7/15/2005
Stream Location:	Crab Brook	Sample Time:	13:45
Sample Location:	SW-4	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-4	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	clear	Sampler(s):	TD
pH	6.99 s.u	Temperature	21.0 ΛC
Conductivity	6.30 mS/cm^2	Salinity	0.3 %
Turbidity	NM	Eh	NM
DO	6.45 mg/L		
Sample Bottles ID	SW-4		624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Watcung Avenue

SW-4	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.30	0.1	0.03	13.464
#2	1.0	0.20	0.1	0.02	8.976
#3	1.0	0.20	0.2	0.04	17.952
#4	1.0	0.10	0.3	0.025	11.22
Total Width	5.0			0.115	51.612

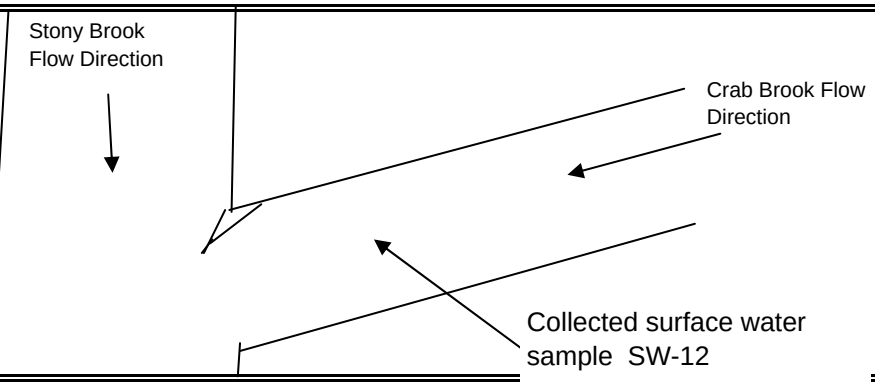
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	7/15/2005
Stream Location:	Crab Brook	Sample Time:	12:45
Sample Location:	SW-12	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-12	Decon (y/n)	yes
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	clear	Sampler(s):	TD
pH	7.64 s.u.	Temperature	20.5 ΛC
Conductivity	0.680 mS/cm^2	Salinity	0.3 %
Turbidity	NM	Eh	NM
DO	6.40 mg/L		
Sample Bottles ID	SW-12	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location

Greenbrook Road & Grove St

SW-12	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.20	0.2	0.04	17.952
#2	1.0	0.20	0.2	0.04	17.952
#3	1.0	0.35	0.7	0.245	109.9560
#4	1.0	0.35	0.7	0.245	109.956
Total Width	5.0			0.57	255.816

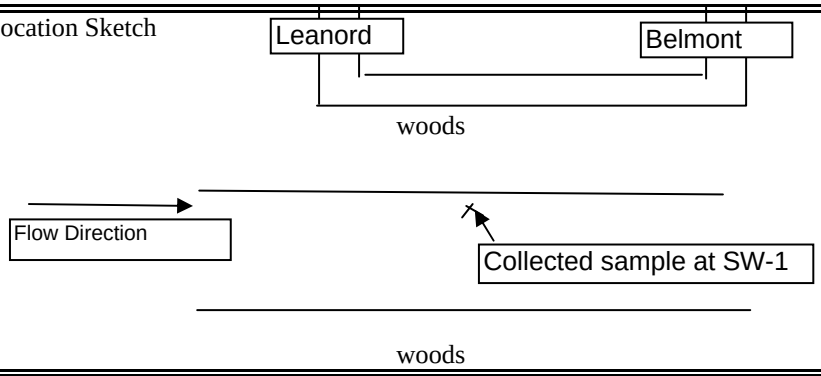
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	8/12/2005
Stream Location:	Crab Brook	Sample Time:	
Sample Location:	SW-1	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-1	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	no water in stream	Sampler(s):	TD
pH	no water in stream	Temperature	no water in stream
Conductivity	no water in stream	Salinity	no water in stream
Turbidity	no water in stream	Eh	no water in stream
DO	no water in stream		
Sample Bottles ID		Sample EPA Method	

Notes: HORIBA U-22

Location Sketch



Stream Location
Belmont & Leanord

SW-1	Width ft	Depth ft	Velocity ft/sec	Stream Flow ft3/sec	Stream Flow gpm
#1	no water in stream				
Total Width	0.0				

NOTE:

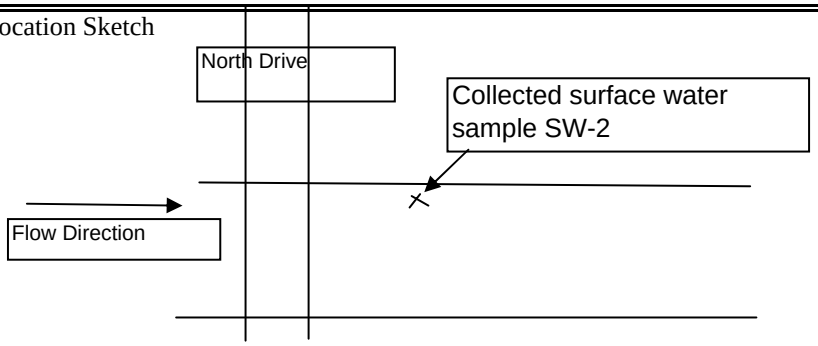
TRC VECTRE
SAMPLE DATA RECORD : Crab brook

Site ID:	Former LEC Site	Sample Date:	8/12/2005
Stream Location:	Crab Brook	Sample Time:	12:15
Sample Location:	SW-2	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-2	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.54 s.u.	Temperature	18.7 ΛC
Conductivity	0.640 mS/cm^2	Salinity	0.3%
Turbidity	NM	Eh	NM
DO	7.9 mg/L		
Sample Bottles ID	SW-2	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
North Drive

SW-2	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.10	0.10	0.0	4.488
#2	1.0	0.10	0.10	0.0	4.488
#3	1.0	0.20	0.20	0.04	17.952
#4	1.0	0.40	0.60	0.24	107.712
Total Width	6.0			0.30	134.64

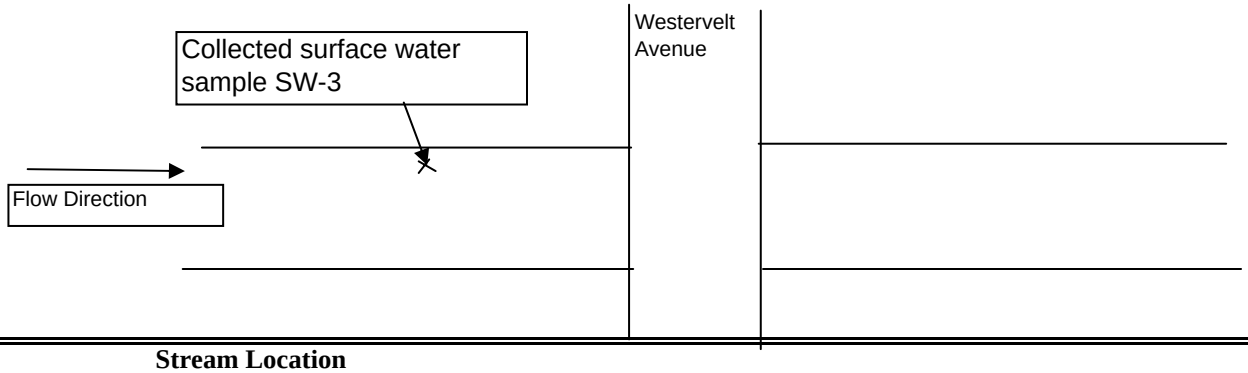
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	8/12/2005
Stream Location:	Crab Brook	Sample Time:	11:30
Sample Location:	SW-3	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-3	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.70 s.u.	Temperature	19.8 ΛC
Conductivity	0.620 mS/cm^2	Salinity	0.3%
Turbidity	NM	Eh	NM
DO	6.9 mg/L		
Sample Bottles ID	SW-3	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Westervelt Avenue

SW-3	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.10	0.10	0.010	4.488
#2	1.0	0.10	0.10	0.010	4.488
#3	1.0	0.20	0.40	0.08	35.904
#4	1.0	0.20	0.60	0.12	53.856
Total Width	6.0			0.220	98.736

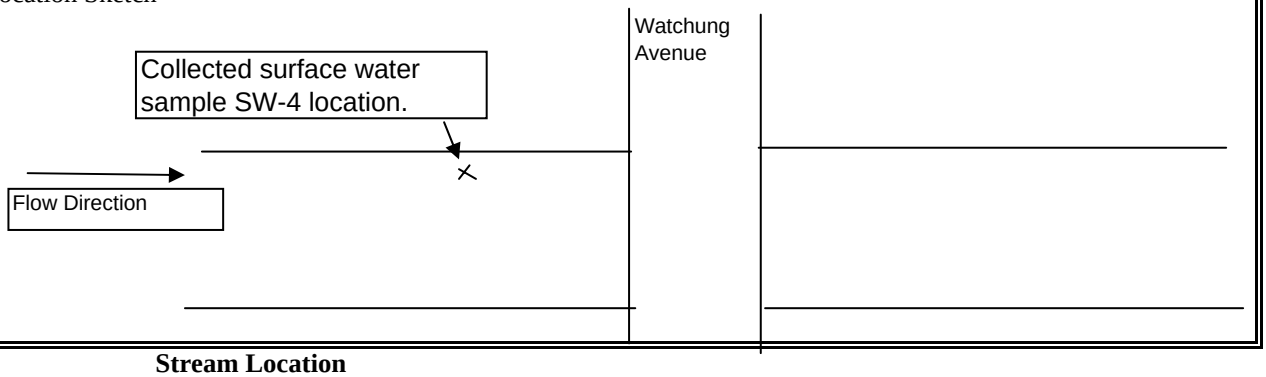
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	8/12/2005
Stream Location:	Crab Brook	Sample Time:	10:00
Sample Location:	SW-4	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-4	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.88 s.u	Temperature	22.8 ΛC
Conductivity	0.600 mS/cm^2	Salinity	0.3 %
Turbidity	NM	Eh	NM
DO	9.00 mg/L		
Sample Bottles ID	SW-4		624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Watcung Avenue

SW-4	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.30	0.6	0.18	80.784
#2	1.0	0.30	0.4	0.12	53.856
#3	1.0	0.20	0.5	0.1	44.880
#4	1.0	0.20	0.2	0.04	17.952
Total Width	5.0			0.44	197.472

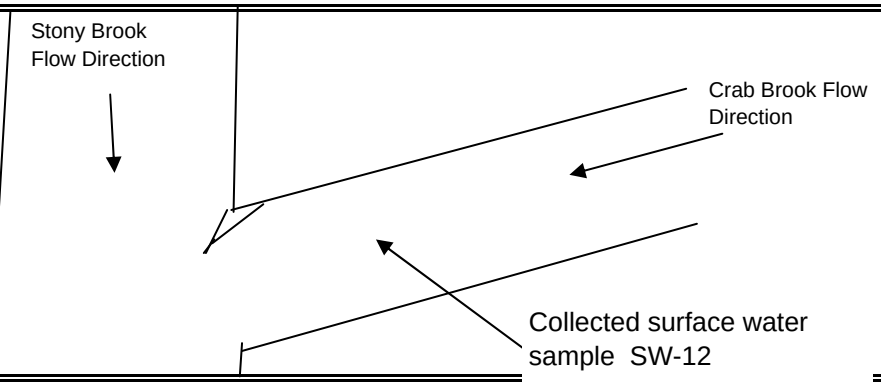
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	8/12/2005
Stream Location:	Crab Brook	Sample Time:	11:00
Sample Location:	SW-12	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-12	Decon (y/n)	yes
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.71 s.u.	Temperature	23.1 ΛC
Conductivity	0.650 mS/cm^2	Salinity	0.3 %
Turbidity	NM	Eh	NM
DO	6.0 mg/L		
Sample Bottles ID	SW-12	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location

Greenbrook Road & Grove St

SW-12	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.10	0.2	0.02	8.976
#2	1.0	0.30	0.2	0.06	26.928
#3	1.0	0.30	0.3	0.09	40.392
Total Width	4.0			0.17	76.296

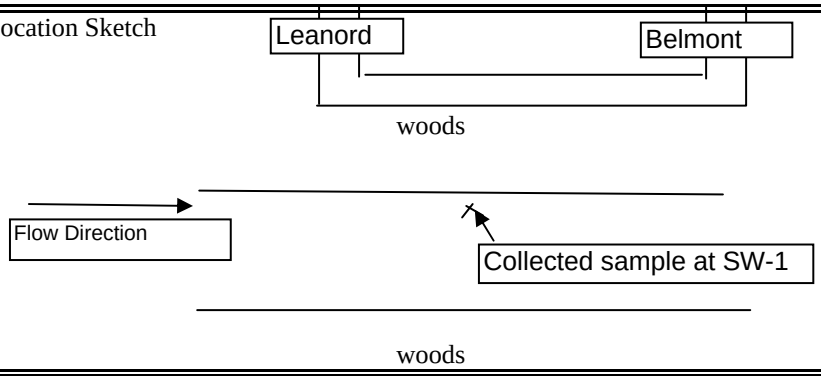
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	9/8/2005
Stream Location:	Crab Brook	Sample Time:	
Sample Location:	SW-1	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-1	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	no water in stream	Sampler(s):	TD
pH	no water in stream	Temperature	no water in stream
Conductivity	no water in stream	Salinity	no water in stream
Turbidity	no water in stream	Eh	no water in stream
DO	no water in stream		
Sample Bottles ID		Sample EPA Method	

Notes: HORIBA U-22

Location Sketch



Stream Location
Belmont & Leanord

SW-1	Width ft	Depth ft	Velocity ft/sec	Stream Flow ft3/sec	Stream Flow gpm
#1	no water in stream				
Total Width	0.0				

NOTE:

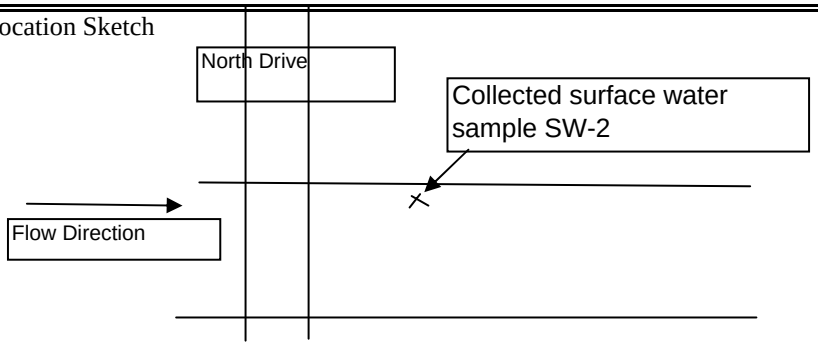
TRC VECTRE
SAMPLE DATA RECORD : Crab brook

Site ID:	Former LEC Site	Sample Date:	9/8/2005
Stream Location:	Crab Brook	Sample Time:	15:30
Sample Location:	SW-2	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-2	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.20 s.u.	Temperature	18.9 ΛC
Conductivity	0.600 mS/cm^2	Salinity	NM
Turbidity	NM	Eh	+300 mV
DO	10.0 mg/L		
Sample Bottles ID	SW-2	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
North Drive

SW-2	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.20	0.20	0.040	17.952
#2	1.0	0.20	0.20	0.040	17.952
#3	1.0	0.35	0.00	0	0.000
Total Width	6.0			0.08	35.90

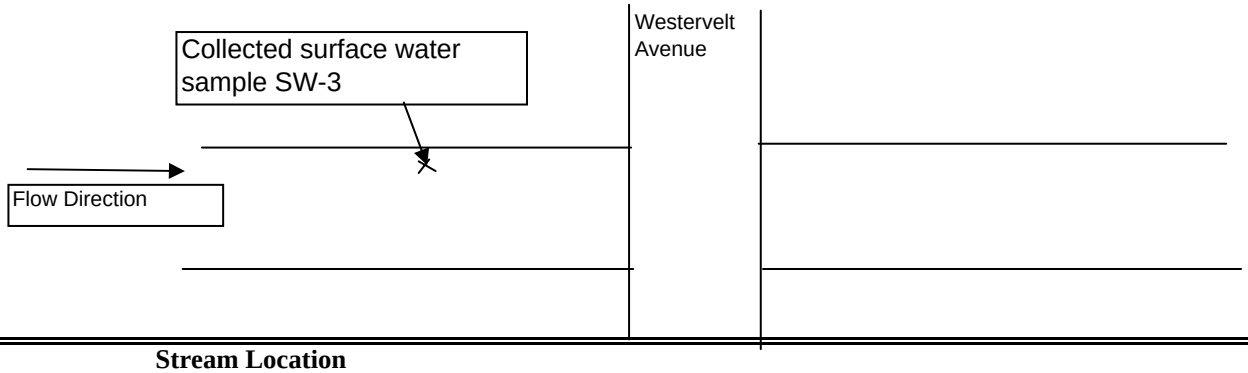
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	9/8/2005
Stream Location:	Crab Brook	Sample Time:	15:00
Sample Location:	SW-3	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-3	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.13 s.u.	Temperature	17.7 ΛC
Conductivity	0.440 mS/cm^2	Salinity	NM
Turbidity	NM	Eh	+220 mV
DO	8.9 mg/L		
Sample Bottles ID	SW-3	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Westervelt Avenue

SW-3	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.10	0.20	0.020	8.976
#2	1.0	0.10	0.20	0.020	8.976
#3	1.0	0.10	0.00	0	0
#4	1.0	0.15	0.00	0	0
Total Width	5.0			0.040	17.952

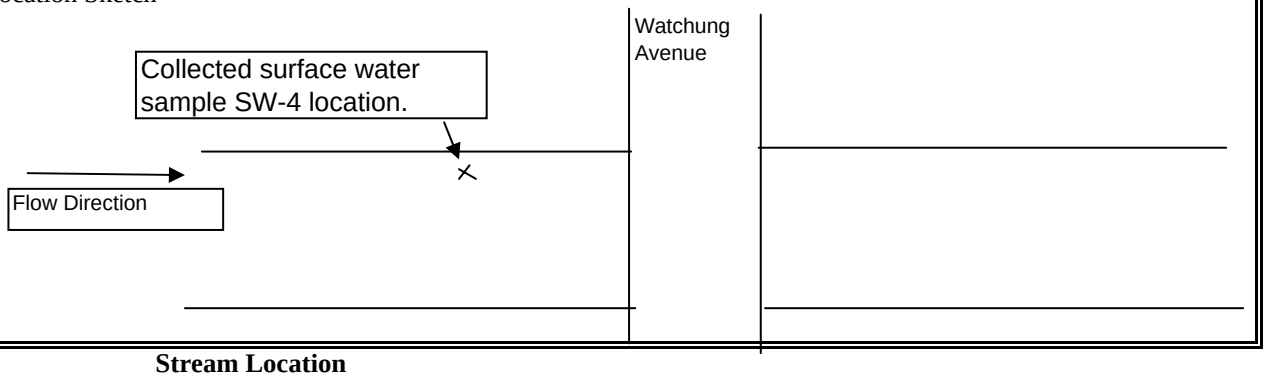
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	9/8/2005
Stream Location:	Crab Brook	Sample Time:	14:30
Sample Location:	SW-4	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-4	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	8.0 s.u	Temperature	17.8 ΛC
Conductivity	0.620 mS/cm^2	Salinity	NM
Turbidity	NM	Eh	+250 mV
DO	14.55 mg/L		
Sample Bottles ID	SW-4		624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Watcung Avenue

SW-4	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.25	0.4	0.100	44.88
#2	1.0	0.25	0.5	0.125	56.1
#3	1.0	0.15	0.7	0.105	47.124
Total Width	4.0			0.33	148.104

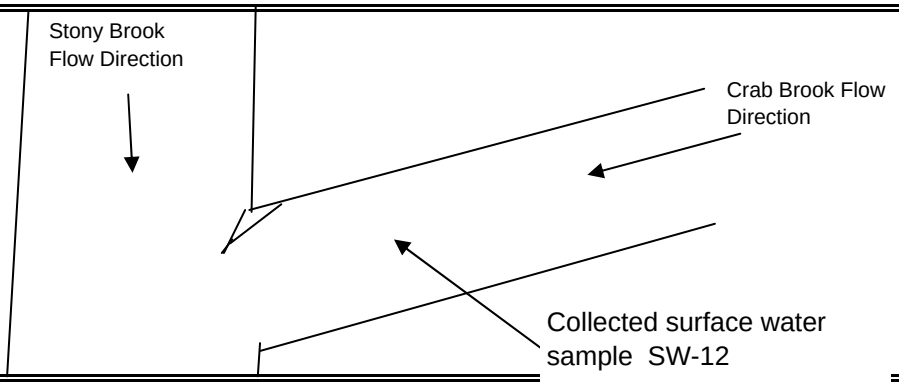
TRC VECTRE
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	9/8/2005
Stream Location:	Crab Brook	Sample Time:	14:00
Sample Location:	SW-12	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-12	Decon (y/n)	yes
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:		Sampler(s):	TD
pH	7.70 s.u.	Temperature	18.0 ΛC
Conductivity	0.680 mS/cm^2	Salinity	NM
Turbidity	NM	Eh	+140 mV
DO	11.00 mg/L		
Sample Bottles ID	SW-12	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location

Greenbrook Road & Grove St

SW-12	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.15	0.4	0.060	26.928
#2	1.0	0.10	0.4	0.040	17.952
#3	1.0	0.10	0.5	0.050	22.440
#4	1.0	0.15	0.4	0.060	26.928
Total Width	5.0			0.21	94.248

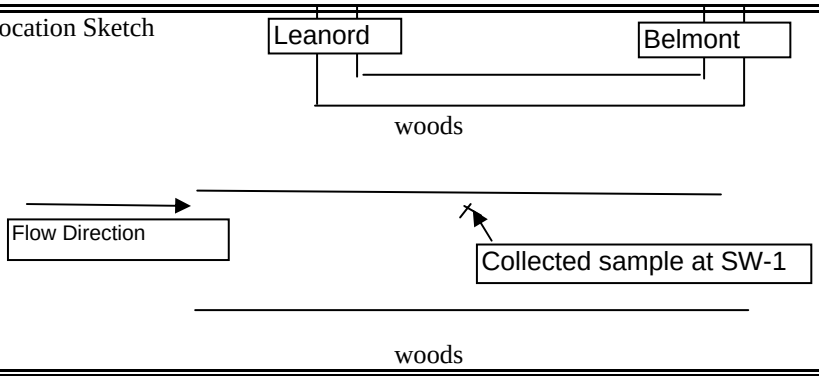
TRC Raviv
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	3/6/2006
Stream Location:	Crab Brook	Sample Time:	12:30
Sample Location:	SW-1	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-1	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	Clear	Sampler(s):	JR/TD
pH	5.90	Temperature	8.4
Conductivity	2.21 mS/cm	Salinity	NA
Turbidity	9	Eh	161
DO	13.26		
Sample Bottles ID	SW-1	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Belmont & Leanord

SW-1	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.20	0.00	0.0	0.000
#2	1.0	0.20	0.00	0.0	0.000
#3	1.0	0.30	0.20	0.06	26.928
#4	1.0	0.20	0.20	0.04	17.952
Total Width	5.0			0.10	44.88

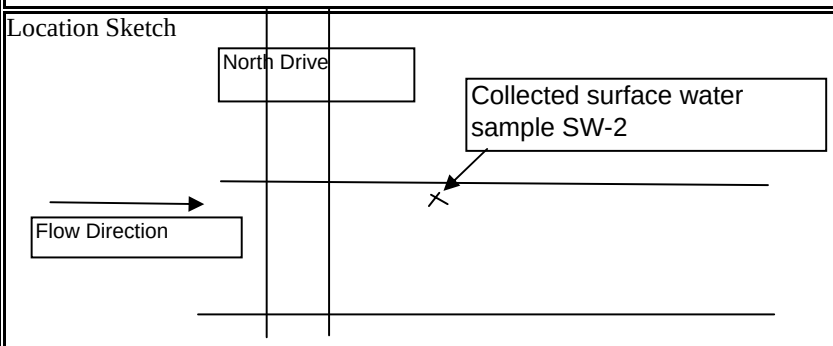
TRC Raviv
SAMPLE DATA RECORD : Crab brook

Site ID:	Former LEC Site	Sample Date:	3/6/2006
Stream Location:	Crab Brook	Sample Time:	12:16
Sample Location:	SW-2	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-2	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	Clear	Sampler(s):	JR/TD
pH	6.52	Temperature	11.4
Conductivity	1.5 mS/cm	Salinity	NA
Turbidity	6.9	Eh	128
DO	13.1		
Sample Bottles ID	SW-2	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
North Drive

SW-2	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.20	0.00	0.0	0.000
#2	1.0	0.30	0.40	0.1	53.856
#3	1.0	0.40	0.70	0.28	125.664
Total Width	5.0			0.40	179.52

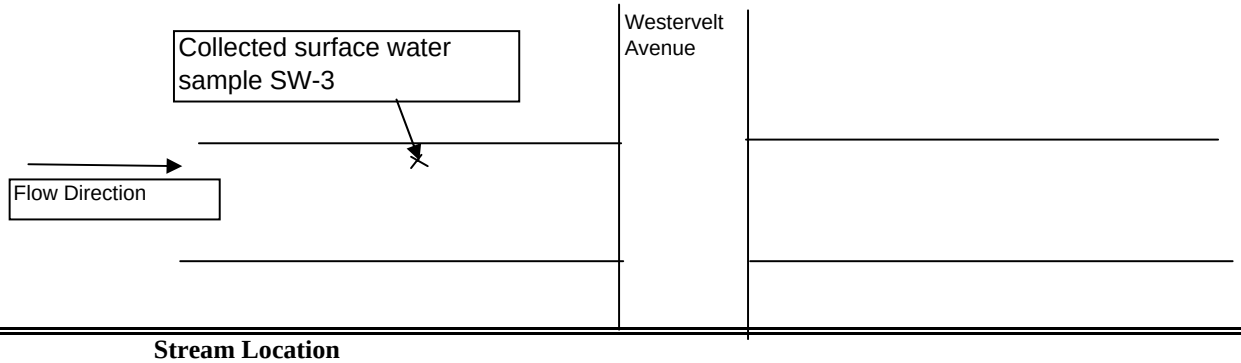
TRC Raviv
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	3/6/2006
Stream Location:	Crab Brook	Sample Time:	12:05
Sample Location:	SW-3	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-3	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	Clear	Sampler(s):	JR/TD
pH	6.86	Temperature	10.6
Conductivity	1.56 mS/cm	Salinity	NA
Turbidity	3.3	Eh	119
DO	10.01		
Sample Bottles ID	SW-3	Sample EPA Method	624+10

Notes: HORIBA U-22

Location Sketch



Stream Location
Westervelt Avenue

SW-3	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.10	0.00	0.000	0
#2	1.0	0.30	1.10	0.330	148.104
#3	1.0	0.30	1.20	0.36	161.568
Total Width	4.0			0.690	309.672

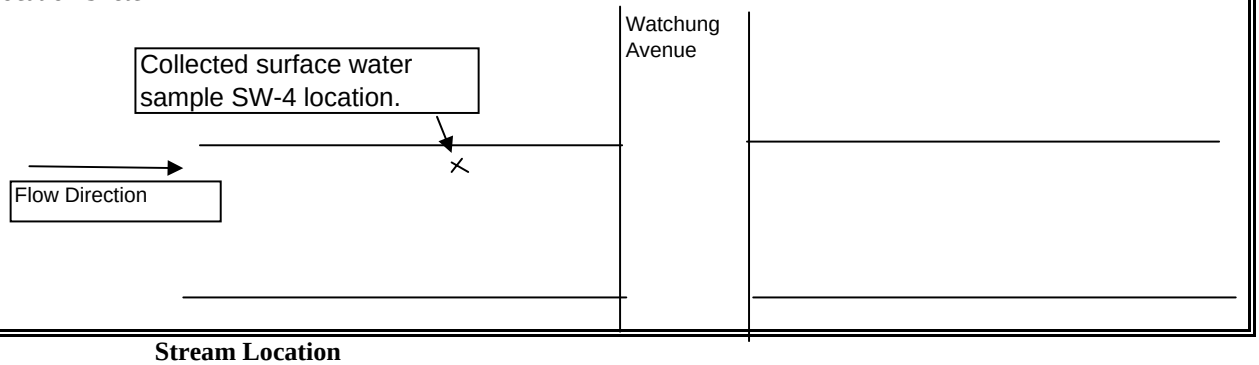
TRC Raviv
SAMPLE DATA RECORD : Crab Brook

Site ID:	Former LEC Site	Sample Date:	3/6/2006
Stream Location:	Crab Brook	Sample Time:	11:49
Sample Location:	SW-4	Water Body Sample Type:	Surface Water Sample
Sample ID:	SW-4	Decon (y/n)	
Sample Collection Method:		Velocity(ft3/sec):	Flow Rate(gpm):

Sample Appearance/Odor:	Clear	Sampler(s):	JR/TD
pH	7.09	Temperature	10.36
Conductivity	1.52 mS/cm	Salinity	NA
Turbidity	4.1	Eh	112
DO	9.41		
Sample Bottles ID	SW-4		624+10

Notes: HORIBA U-22

Location Sketch



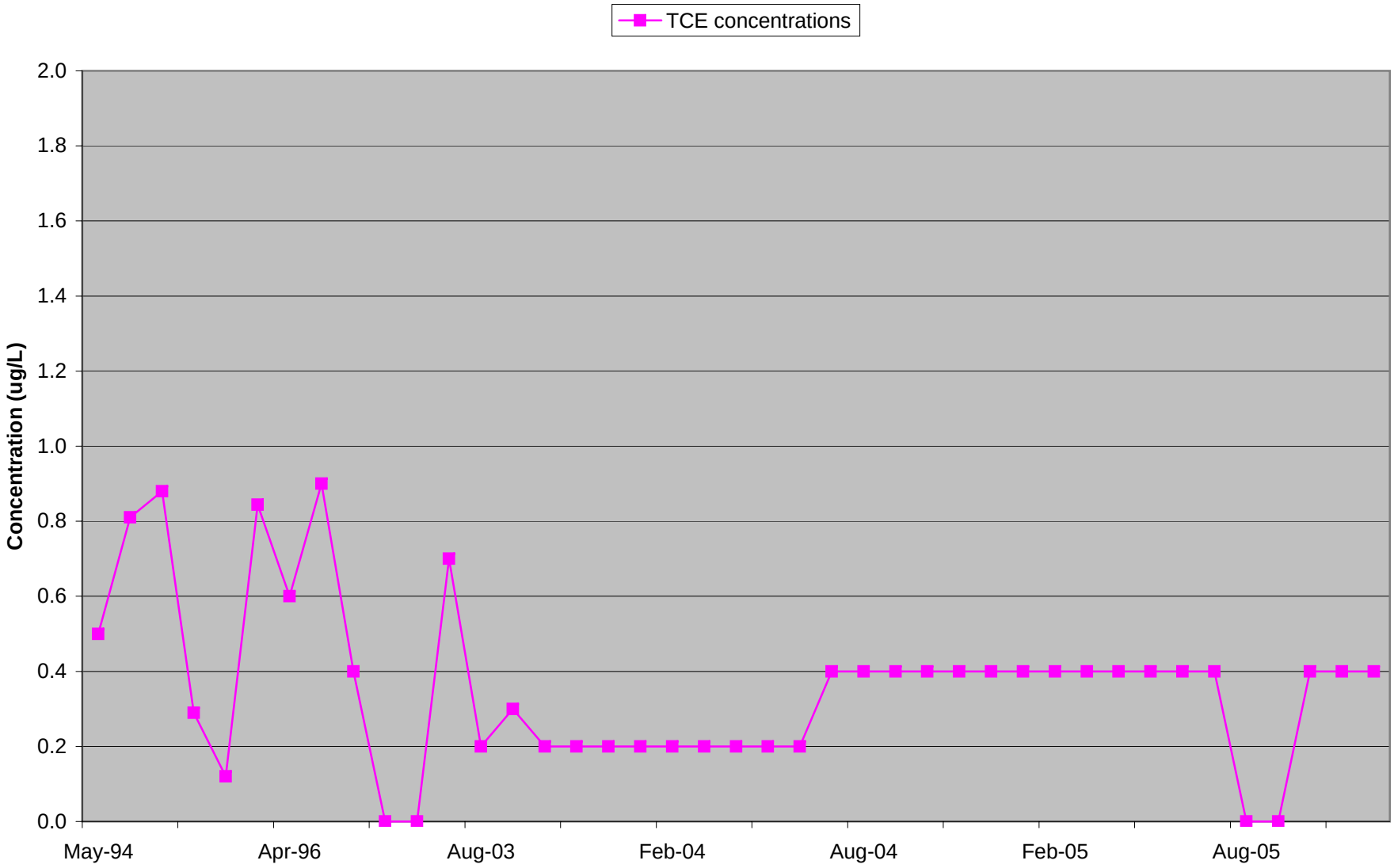
Stream Location
Watcung Avenue

SW-4	Width	Depth	Velocity	Stream Flow	Stream Flow
	ft	ft	ft/sec	ft3/sec	gpm
#1	1.0	0.30	0.1	0.03	13.464
#2	1.0	0.30	0.9	0.27	121.176
#3	1.0	0.20	0.2	0.04	17.952
#4	1.0	0.30	0.5	0.15	67.32
Total Width	5.0			0.49	219.912

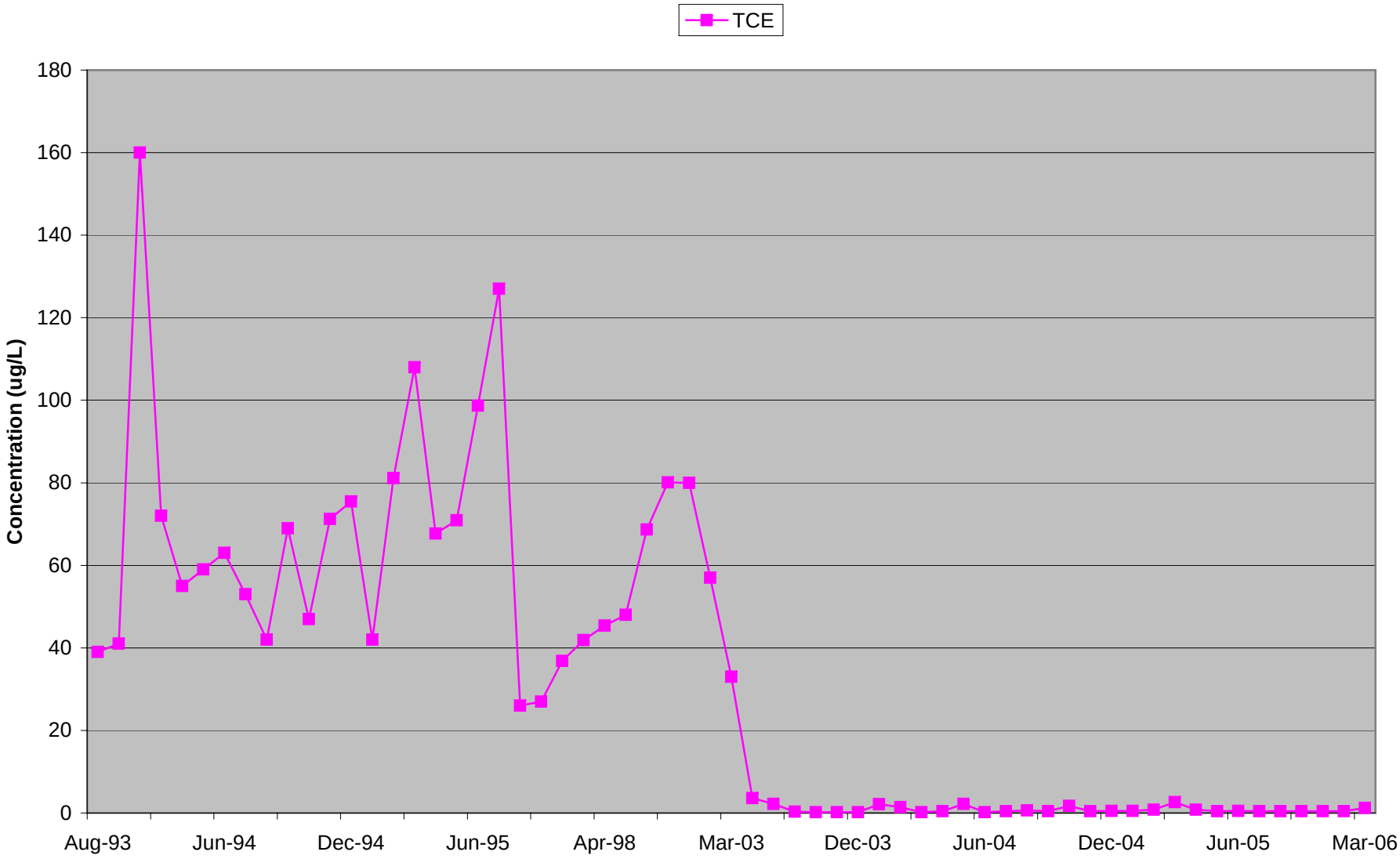
APPENDIX D

Plots of TCE Concentrations Versus Time for Stream Locations

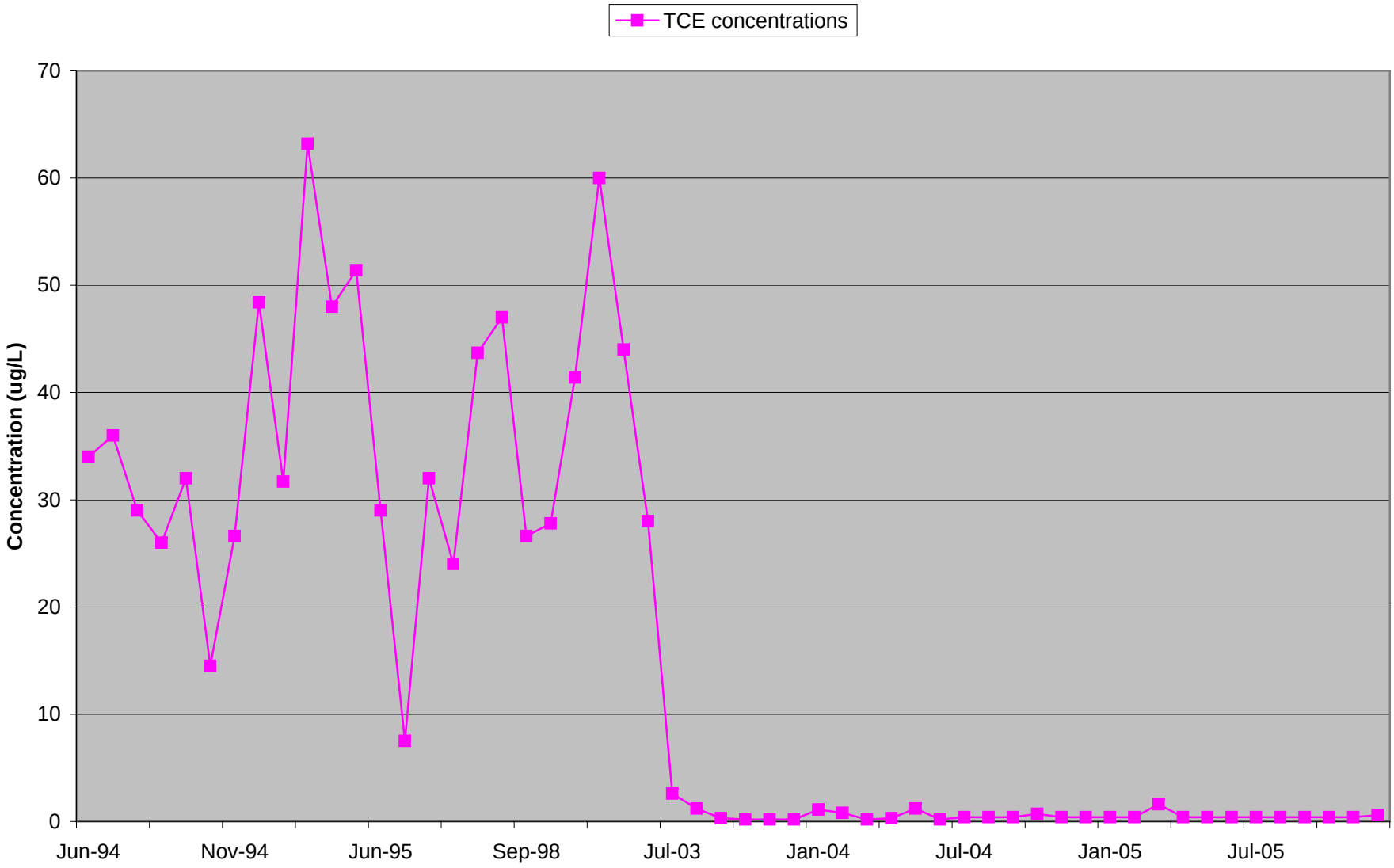
Historical TCE concentrations at Stream Location SW-1



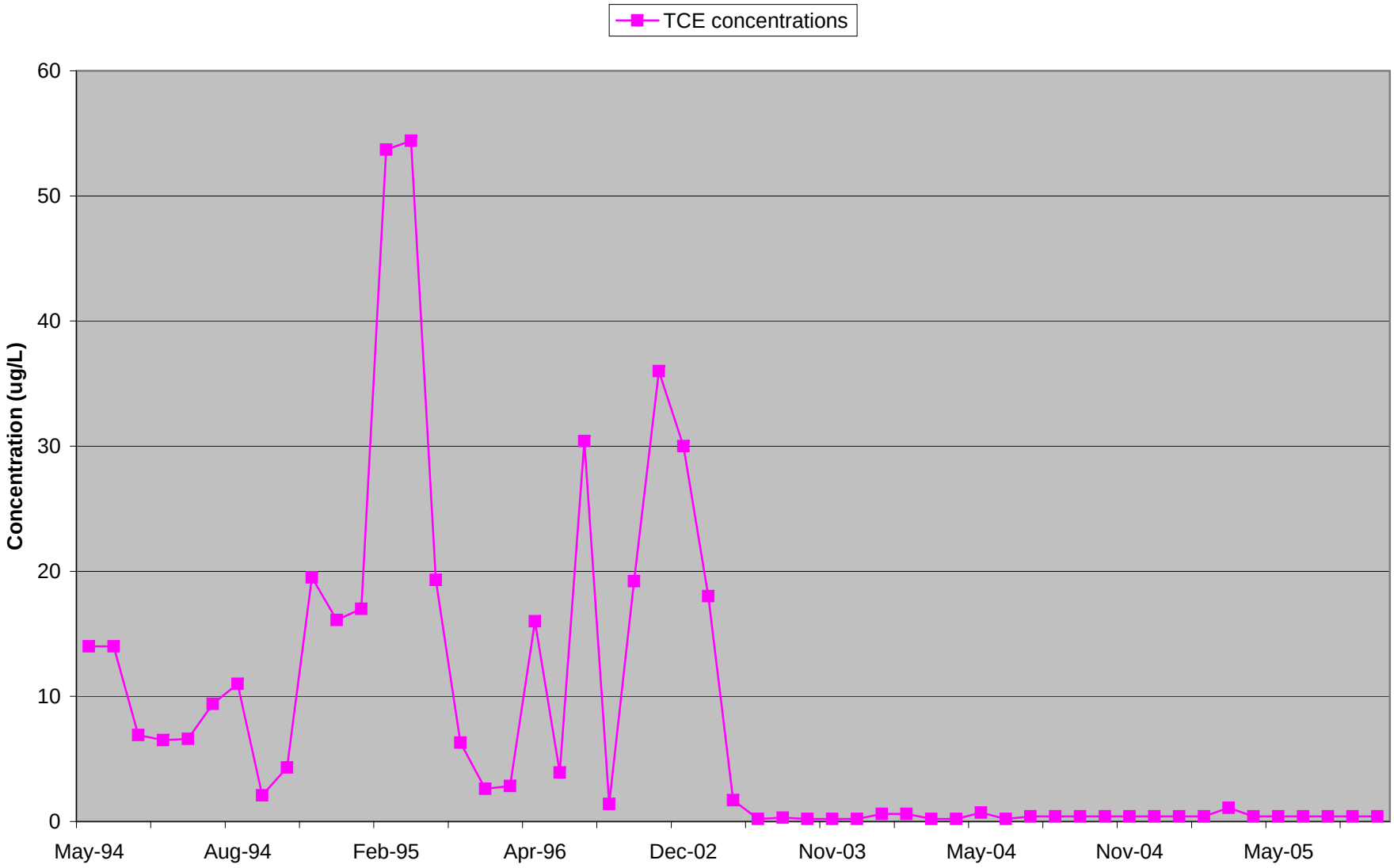
Historical TCE concentrations at Stream Location SW-2

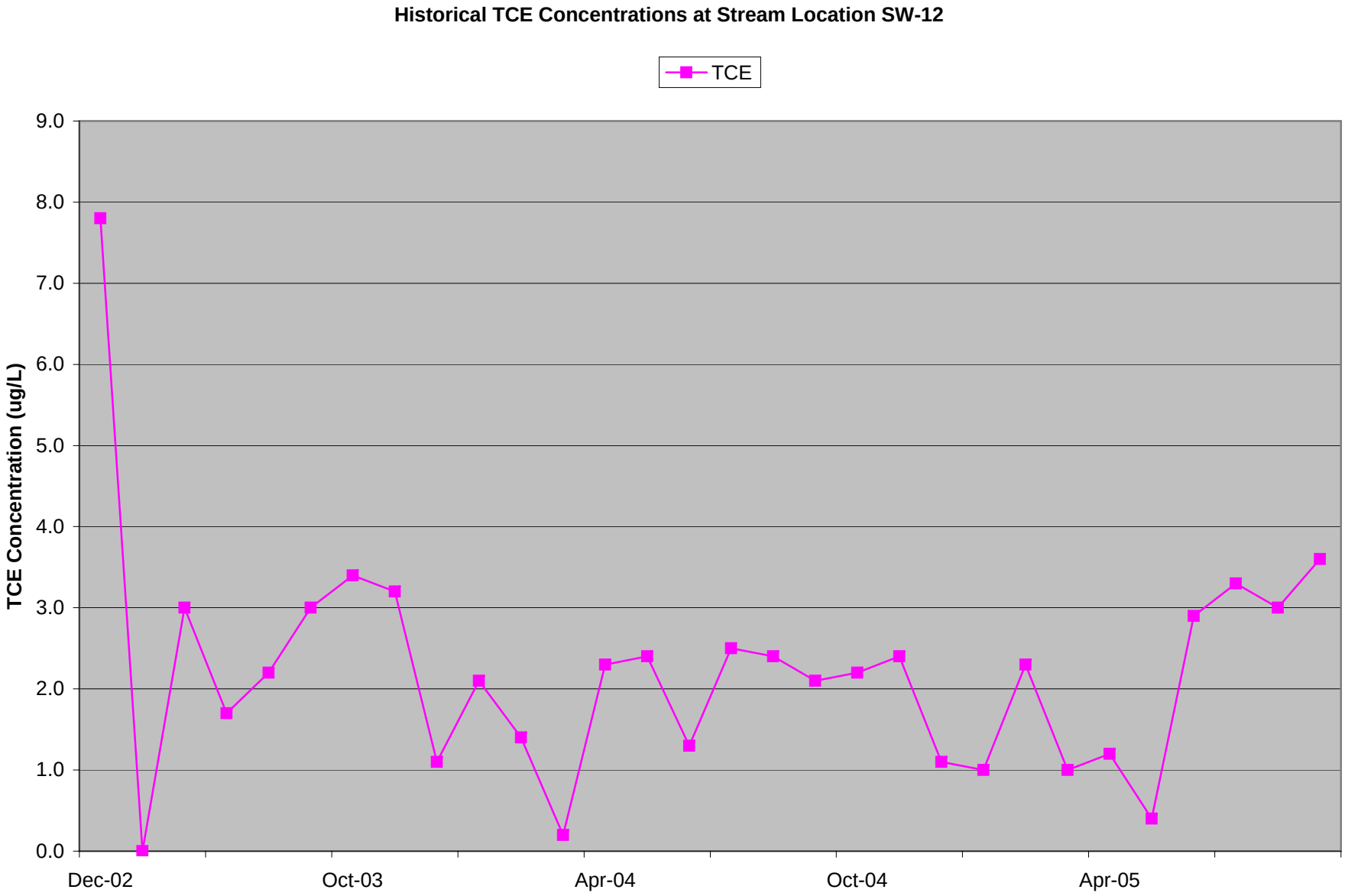


Historical TCE concentrations at Stream Location SW-3



Historical TCE concentrations at Stream Location SW-4




Historical TCE Concentrations at Stream Location SW-12
TCE
TCE Concentration (ug/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Dec-02
Oct-03
Apr-04
Oct-04
Apr-05