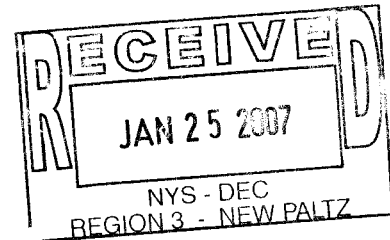


Gary K. Walker
Associate

July 26, 2000

Mr. A. Joseph White
New York State
Department of Environmental Conservation
DER Voluntary Cleanup Program
50 Wolf Road
Albany, NY 12233-7010



**RE: Groundwater Investigation
Universal Voltronics Facility
Mt. Kisco, NY
NYSDEC # 9809708**

Dear Mr. White:

Killam Associates, on behalf of the property owner, Thermo Voltek, performed quarterly groundwater and surface water monitoring at the Universal Voltronics facility, 27 Radio Circle Drive in Mt. Kisco, New York on February 23 and May 25, 2000. In addition to these quarterly monitoring events, a surface water sampling event was conducted on June 28, 2000 in an attempt to determine upstream sources of contamination. The monitoring was performed to document the groundwater and surface water quality at the site in accordance with the Remedial Action Workplan included in our Remedial Investigation Report dated November 1999.

1. Groundwater Quality Monitoring

During each quarterly sampling event, Killam sampled the nine groundwater monitoring wells present at the site. Each of the monitoring wells was sampled for volatile organics plus a library search for ten tentatively identified compounds (VO+10). All samples were analyzed by Integrated Analytical Laboratories (IAL) of Randolph, New Jersey (NY certification number 11402). Prior to sampling, static groundwater levels were obtained, and the volume of water in each well was calculated. A minimum of three casing volumes of groundwater was then purged from each well using a centrifugal pump (a submersible pump was used for MW-1D), prior to the collection of the groundwater sample, to ensure a representative sample. The purge water was disposed of directly on the ground with the exception of MW-5 which was first run through an activated carbon unit.

The Volatile Organic Compound (VOC) analytical results for the February 23 and May 25, 2000 sampling events and the NYSDEC Groundwater Standards (GWS) are summarized on Table 1 and Table 2, respectively. Monitoring Well Sampling Logs are located in Appendix A. The analytical data deliverables package from IAL is included as Appendix B.

The analytical results were compared against the NYS GWS. As shown on Table 1 and Table 2, the compounds which exceed the standards include: tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), and vinyl chloride (VC).

As discussed in prior reports, 1,1,1-TCA is the main contaminant of concern due to onsite sources. 1,1,1-TCA was detected in only one monitoring well (MW-2) during the February 2000 monitoring event. During the May 2000 monitoring event, 1,1,1-TCA was detected in four of the onsite monitoring wells (MW-2, MW-3, MW-4 and MW-7). However, only MW-2, with a concentration of 18.8 µg/L, exceeded the NYSDEC GWS of 5 µg/L for this compound.

A review of the data obtained during the four quarterly groundwater monitoring events (Tables 3 through 8) for monitoring wells potentially impacted by onsite activities (MW-1, MW-1D, MW-2, MW-4, MW-7, and MW-8), has documented either steady state or decreasing contaminant levels.

MW-1, (Table 3) which is located in the 1,1,1-TCA source area, has shown extremely low levels of contamination with only 1,1-DCA detected at 5.20 ug/l in the February 2000 monitoring event. The monitoring results for well MW-1D (Table 4) have been non-detect for the compounds of concern at the site. MW-2, which is the most contaminated well attributable to onsite sources, has shown a steady state trend in contaminant levels (Table 5) with fluctuations of only 5 ug/l of total volatile organics. The historical results for monitoring well MW-4 (Table 6) have shown extremely low levels of contamination with only 1,1-DCA slightly exceeding the NYS GWS. The analytical data for MW-7 (Table 7) indicates a decreasing trend in contaminant levels with the February and May 2000 samples in compliance with the NYS GWS. MW-8, (Table 8) is an upgradient well which has shown no evidence of contamination throughout this monitoring program.

As concluded in the November 1999 RIR, and demonstrated through subsequent groundwater and surface water sampling, the PCE, TCE and VC contamination present at the site is due to an offsite source. This offsite source is believed to be impacting monitoring wells MW-3, MW-5, and MW-6 which are located to the east of the stream, as well as the stream itself. Further data in support of this conclusion is discussed in section 3 of this report.

2. Groundwater Hydraulic Monitoring

Based upon the monitoring wells installed at the site, groundwater flow direction, which is depicted on Figures 1 and 2 indicate that the stream onsite is not acting as a typical groundwater divide. The groundwater flow direction is generally toward the stream (northeast) on the western side of the stream and bends to the north on the eastern side of the stream. The groundwater flow direction has been generally consistent throughout the groundwater monitoring program.

3. Surface Water Monitoring

During the February and May 2000 sampling rounds, Killam obtained surface water samples from an upstream (SW-1) and downstream (SW-2) location on the site (Figure 1 and Figure 2). These samples were both analyzed for VO+10 by IAL. The samples were obtained by extending a decontaminated polyethylene surface water sampler into the center of the flowing water. The water collected was then transferred directly to the sample bottles.

The VOC analytical results for these sampling events and the NYSDEC GWS are summarized on Tables 1 and 2. The analytical data deliverables package from IAL is included as Appendix B.

The analytical results were compared to the NYSDEC GWS. This comparison reflects the fact that the stream flows to the Mt. Kisco River, which is a tributary to a reservoir. Therefore, drinking water standards are appropriate. PCE, TCE, and VC exceeded the standards in the upstream samples, while PCE and TCE exceed the standards in the downstream samples. The upstream sample results were slightly higher than the downstream sample results for PCE, TCE and VC. As concluded in the November 1999 RIR, and subsequent reports, the PCE (and its daughter products) contamination present at the site is due to an offsite source. This offsite source is likely impacting both groundwater and surface water as evidenced by the contamination detected in MW-3, MW-5, MW-6 and SW-1 and SW-2.

In an effort to conclusively confirm that the source of the surface water contamination is upstream of the Universal Voltronics facility, additional surface water sampling was conducted on June 28, 2000. During this sampling event, surface water samples were obtained and analyzed for VO+10 from four locations along the stream (Figure 3). Sample number SW-NCD was obtained in a residential area upgradient of the Voltronics facility. Sample number SW-CP was obtained from a bridge on Cottage Place downgradient of a small commercial /light industrial area along Lexington Avenue. SW-1 and SW-2 were obtained on the Universal Voltronics property at upstream and downstream locations, respectively.

Analytical results from these surface water samples (Table 9) indicate that the source of the contamination in the stream is between sample locations SW-NCD and SW-CP conclusively demonstrating that the source of the stream contamination is not the Universal Voltronics facility.

4. Conclusions

As described in the November 1999 RIR, and this report, groundwater contamination at the site consists of two separate plumes. The more highly concentrated plume consists of PCE and its daughter products, which originates from an offsite source. Given the data which has been generated during this monitoring program, Thermo Voltek is requesting that the Department issue a no further action letter with regards to this contamination.



Mr. A. Joseph White -
July 25, 2000
Page 4

The 1,1,1-TCA concentrations from the plume originating onsite are relatively low. The groundwater discharging to the stream from this plume dilutes to non-detectable concentrations for 1,1,1-TCA in the surface water. Therefore this plume is not negatively affecting surface water quality. As detailed in the November 1999 RIR, the source area for the 1,1,1-TCA contamination is either naturally remediated or consists of an extremely small column of soil contamination. As such, the groundwater contamination remaining at the site is residual and only slightly above the Groundwater Standards. Given the results of the one-year monitoring program, Thermo Voltek also requests that the Department issue a no further action letter addressing the groundwater contamination from onsite sources.

If you have any questions or concern, please feel free to contact me at (973) 912-2489.

Very truly yours,

KILLAM ASSOCIATES

A handwritten signature in cursive script, reading 'Gary K. Walker'.

Gary K. Walker

cc: Mr. George Reitwiesner, NYCDEP
Mr. Mark L. Rollins

Table 1
Groundwater and Surface Water Volatile Organic Sampling Results
February 23, 2000

Client ID: NYSDEC		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Date Sampled: GROUNDWATER		2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00
STANDARDS									
Volatiles									
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	31.2	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	8.55	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	1.75	ND	ND	ND
1,1-Dichloroethane	5	5.29	4.41	1.23	5.46	ND	ND	2.85	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	16.3	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	93.6	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	13.1	ND	2320	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VO's:	NS	5.29	29.26	14.33	5.46	2446.55	ND	2.85	ND
TOTAL TIC's:	NS	ND	ND	ND	ND	394	ND	ND	ND

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

Table 1
Groundwater and Surface Water Volatile Organic Sampling Results
February 23, 2000

Volatiles	Client ID: NYSDEC		MW-5-Dup		MW-1D		SW-1		SW-2		FB		TB	
	Date Sampled:	GROUNDWATER	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00	2/23/00
		STANDARDS												
Chloromethane	NS		ND		ND		ND		ND		ND		ND	
Vinyl Chloride	2		31.6		ND		ND		ND		ND		ND	
Bromomethane	NS		ND		ND		ND		ND		ND		ND	
Chloroethane	50		ND		ND		ND		ND		ND		ND	
Trichlorofluoromethane	NS		ND		ND		ND		ND		ND		ND	
Acrolein	NS		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethene	5		ND		ND		ND		ND		ND		ND	
Methylene Chloride	5		ND		ND		ND		ND		ND		ND	
Acrylonitrile	NS		ND		ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	5		2		ND		ND		ND		ND		ND	
1,1-Dichloroethane	5		ND		ND		ND		ND		ND		ND	
Chloroform	7		ND		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	5		ND		ND		ND		ND		ND		ND	
Carbon Tetrachloride	5		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane(EDC)	5		ND		ND		ND		ND		ND		ND	
Benzene	0.7		ND		ND		ND		ND		ND		ND	
Trichloroethene	5		92.7		ND		15.6		10.6		ND		ND	
1,2-Dichloropropane	NS		ND		ND		ND		ND		ND		ND	
Bromodichloromethane	NS		ND		ND		ND		ND		ND		ND	
2-Chloroethylvinyl Ether	NS		ND		ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	NS		ND		ND		ND		ND		ND		ND	
Toluene	5		ND		ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	NS		ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	NS		ND		ND		ND		ND		ND		ND	
Tetrachloroethene	5		2210		ND		485		335	D	ND		ND	
Dibromochloromethane	50		ND		ND		ND		ND		ND		ND	
Chlorobenzene	5		ND		ND		ND		ND		ND		ND	
Ethylbenzene	5		ND		ND		ND		ND		ND		ND	
Total Xylenes	5		ND		ND		ND		ND		ND		ND	
Bromoform	NS		ND		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	5		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	5		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	4.7		ND		ND		ND		ND		ND		ND	
TOTAL VO's:	NS		2336.3		ND		500.6		345.6		ND		ND	
TOTAL TIC's:	NS		404		ND		29.8		20.5		ND		ND	

* result is from diluted analysis

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

All exceedences to Groundwater Criteria are in **Boldface**

Table 2
Groundwater and Surface Water Volatile Organic Sampling Results
May 25, 2000

Client ID: Date Sampled:		NYSDEC GROUNDWATER STANDARDS	MW-1 5/25/00	MW-1D 5/25/00	MW-2 5/25/00	MW-3 5/25/00	MW-4 5/25/00	MW-5 5/25/00	MW-6 5/25/00
Volatiles (ug/l)									
Chloromethane		NS	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		2	ND	ND	ND	ND	ND	33.4	ND
Bromomethane		NS	ND	ND	ND	ND	ND	ND	ND
Chloroethane		50	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		NS	ND	ND	ND	ND	ND	ND	ND
Acrolein		NS	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		5	ND	ND	9.21	1.65	1.00	ND	ND
Methylene Chloride		5	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile		NS	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		5	ND	ND	6.58	1.47	5.76	ND	ND
Chloroform		7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		5	ND	ND	18.8	2.30	2.73	ND	ND
Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane(EDC)		5	ND	ND	ND	ND	ND	ND	ND
Benzene		0.7	ND	ND	ND	ND	ND	ND	ND
Trichloroethene		5	ND	ND	ND	ND	ND	54.5	ND
1,2-Dichloropropane		NS	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		NS	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		NS	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		NS	ND	ND	ND	ND	ND	ND	ND
Toluene		5	ND	ND	ND	1.18	ND	ND	ND
trans-1,3-Dichloropropene		NS	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		NS	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene		5	ND	ND	ND	14.2	ND	ND	0.417
Dibromochloromethane		50	ND	ND	ND	ND	ND	1990	ND
Chlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		5	ND	ND	ND	ND	ND	ND	ND
Total Xylenes		5	ND	ND	ND	ND	ND	ND	ND
Bromoform		NS	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		4.7	ND	ND	ND	ND	ND	ND	ND
TOTAL VO's:		NS	ND	ND	34.59	20.8	9.49	2077.9	0.417
TOTAL TIC's:		NS	ND	ND	ND	ND	ND	304	4.90

ND = Analyzed for but Not Detected at the MDL
 NS = No Standard
 All concentrations are in ug/L

* result is from diluted analysis
 All exceedences to Groundwater Criteria are in **Boldface**

Table 2
Groundwater and Surface Water Volatile Organic Sampling Results
May 25, 2000

Volatiles (ug/l)	Client ID:	NYSDEC GROUNDWATER STANDARDS	Date Sampled:		MW-7		MW-8		SW-1U		SW-2D		TB
			5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	5/25/00	
Chloromethane	NS		ND		ND				ND		ND		ND
Vinyl Chloride	2		ND		ND				ND		ND		ND
Bromomethane	NS		ND		ND				ND		ND		ND
Chloroethane	50		ND		ND				ND		ND		ND
Trichlorofluoromethane	NS		ND		ND				ND		ND		ND
Acrolein	NS		ND		ND				ND		ND		ND
1,1-Dichloroethene	5		1.00		ND				ND		ND		ND
Methylene Chloride	5		ND		ND				ND		ND		ND
Acrylonitrile	NS		ND		ND				ND		ND		ND
trans-1,2-Dichloroethene	5		ND		ND				ND		ND		ND
1,1-Dichloroethane	5		1.58		ND				ND		ND		ND
Chloroform	7		ND		ND				ND		ND		ND
1,1,1-Trichloroethane	5		1.54		ND				ND		ND		ND
Carbon Tetrachloride	5		ND		ND				ND		ND		ND
1,2-Dichloroethane(EDC)	5		ND		ND				ND		ND		ND
Benzene	0.7		ND		ND				ND		ND		ND
Trichloroethene	5		ND		ND				20.8		19.2		ND
1,2-Dichloropropane	NS		ND		ND				ND		ND		ND
Bromodichloromethane	NS		ND		ND				ND		ND		ND
2-Chloroethylvinyl Ether	NS		ND		ND				ND		ND		ND
cis-1,3-Dichloropropene	NS		ND		ND				ND		ND		ND
Toluene	5		ND		ND				ND		ND		ND
trans-1,3-Dichloropropene	NS		ND		ND				ND		ND		ND
1,1,2-Trichloroethane	NS		ND		ND				ND		ND		ND
Tetrachloroethene	5		0.693		ND				325		290		ND
Dibromochloromethane	50		ND		ND				ND		ND		ND
Chlorobenzene	5		ND		ND				ND		ND		ND
Ethylbenzene	5		ND		ND				ND		ND		ND
Total Xylenes	5		ND		ND				ND		ND		ND
Bromoform	NS		ND		ND				ND		ND		ND
1,1,2,2-Tetrachloroethane	5		ND		ND				ND		ND		ND
1,3-Dichlorobenzene	5		ND		ND				ND		ND		ND
1,4-Dichlorobenzene	5		ND		ND				ND		ND		ND
1,2-Dichlorobenzene	4.7		ND		ND				ND		ND		ND
TOTAL VO's:	NS		4.813		ND				345.8		309.2		ND
TOTAL TIC's:	NS		ND		3.6				34.0		28.0		ND

ND = Analyzed for but Not Detected at the MDL
 NS = No Standard
 All concentrations are in ug/L

* result is from diluted analysis
 All exceedences to Groundwater Criteria are in **Boldface**

Table 3
Historical Volatile Organic Data
MW-1

Client ID: NYSDEC		MW-1	MW-1	MW-1	MW-1
Date Sampled: GROUNDWATER		8/25/99	11/23/99	2/23/00	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	1.14	0.62	5.29	ND
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	0.671	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	1.811	0.62	5.29	ND
TOTAL TIC's:	NS	ND	ND	ND	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 4
Historical Volatile Organic Data
MW-1D

Client ID: NYSDEC		MW-1D	MW-1D	MW-1D	MW-1D
Date Sampled: GROUNDWATER		8/25/99	11/23/99	2/23/00	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	ND	ND	ND	ND
TOTAL TIC's:	NS	ND	ND	ND	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 5
Historical Volatile Organic Data
MW-2

Client ID:	NYSDEC	MW-2	MW-2	MW-2	MW-2
Date Sampled:	GROUNDWATER	8/25/99	11/23/99	2/23/00	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	9.26	11.20	8.55	9.21
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	4.87	5.25	4.41	6.58
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	17	14.10	16.30	18.8
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	0.73	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	0.49	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	31.13	31.76	29.26	34.6
TOTAL TIC's:	NS	ND	ND	ND	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 6
Historical Volatile Organic Data
MW-4

Client ID:	NYSDEC	MW-4	MW-4	MW-4	MW-4
Date Sampled:	GROUNDWATER	8/25/99	11/23/99	2/23/00	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	2.1	2.4	ND	1.00
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	7.03	6.02	5.46	5.76
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	4.18	3.24	ND	2.73
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	0.653	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	13.31	12.313	5.46	9.49
TOTAL TIC's:	NS	ND	ND	ND	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 7
Historical Volatile Organic Data
MW-7

Client ID:	NYSDEC	MW-7	MW-7	MW-7	MW-7
Date Sampled:	GROUNDWATER	8/25/99	11/23/99	2/23/00	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	3.44	4.11	ND	1.00
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	8.42	6.89	2.85	1.58
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	5.44	4.14	ND	1.54
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	0.813	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	0.804	ND	0.693
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	17.3	16.757	2.85	4.81
TOTAL TIC's:	NS	ND	ND	ND	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 8
Historical Volatile Organic Data
MW-8

Client ID: NYSDEC		MW-8	MW-8	MW-8	MW-8
Date Sampled: GROUNDWATER		2/23/00	8/25/99	11/23/99	5/25/00
STANDARDS					
Volatiles					
Chloromethane	NS	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND
TOTAL VO's:	NS	ND	ND	ND	ND
TOTAL TIC's:	NS	ND	ND	ND	0.360

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**

Table 9
Surface Water Volatile Organic Sampling Results
June 28, 2000

Client ID:	NYSDEC	SW-NCD	SW-CP	SW-1U	SW-2D	TB
Date Sampled:	GROUNDWATER	06/28/2000	06/28/2000	06/28/2000	06/28/2000	06/28/2000
	STANDARDS					
Volatiles (ug/L)						
Chloromethane	NS	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	2.48	2.35	ND
Bromomethane	NS	ND	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND
Acrolein	NS	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND
Acrylonitrile	NS	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	2.29	4.16	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
1,2-Dichloroethane(EDC)	5	ND	ND	ND	ND	ND
Benzene	0.7	ND	ND	ND	ND	ND
Trichloroethene	5	ND	34.5	23.6	21.2	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	NS	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	447	311	283	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Total Xylenes	5	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND
TOTAL VO's:	NS	ND	481.5	339.37	310.71	ND
TOTAL TIC's:	NS	ND	91.0	63.0	58.5	ND

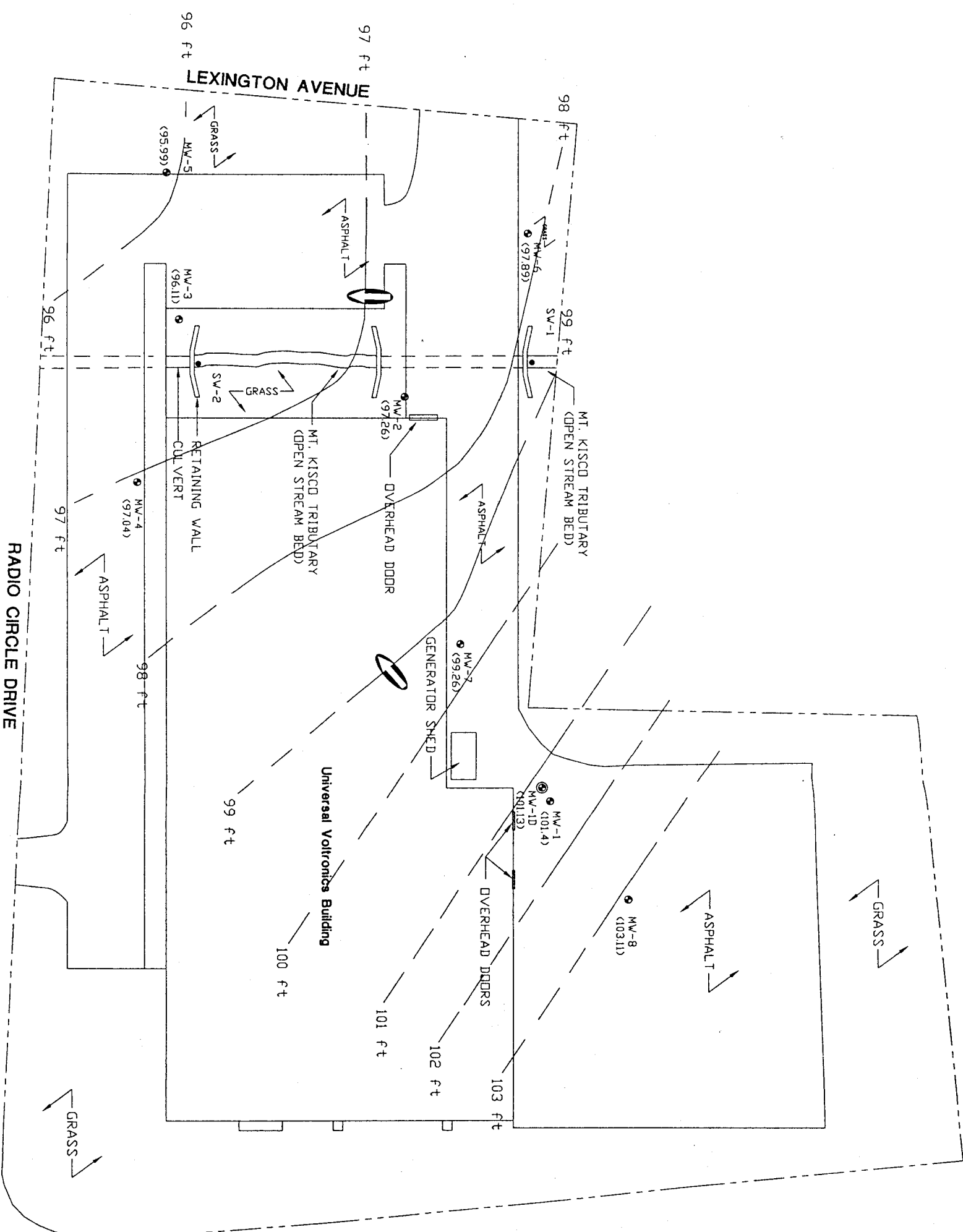
ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All concentrations are in ug/L

* result is from diluted analysis

All exceedences to Groundwater Criteria are in **Boldface**



LEGEND

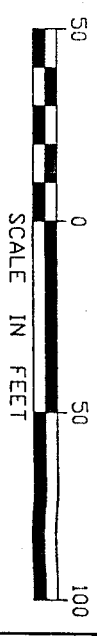
- MW-1D
(101.13)
- MW-1
(101.04)
- Groundwater Flow Direction
- SV-2
- Groundwater Elevation Contours
(dashed where inferred)

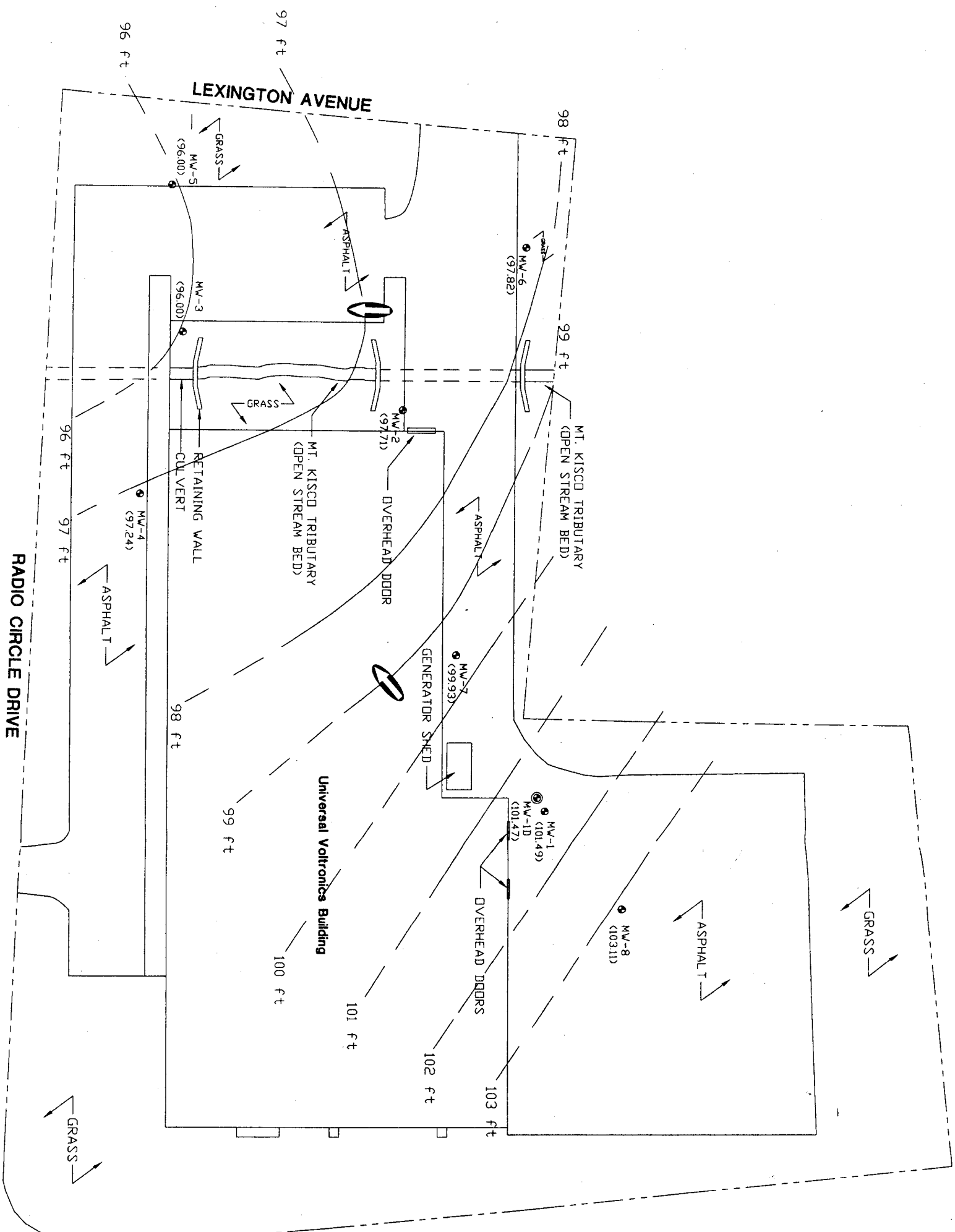
NOTES

Map based upon field measurements obtained by Kilham Associates on July 30 and August 5, 1999.

Water Elevations are for February 23, 2000.

* Water elevation from MW-1D is not included to contour map due to its deeper screened interval (30-40' bgs).





LEGEND

- MW-1D
(101.13)
- MW-1
(101.04)
- Groundwater Flow Direction

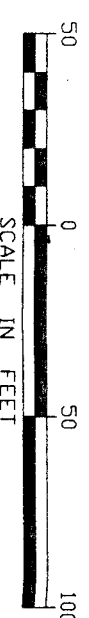
Groundwater Elevation Contours
(dashed where inferred)

NOTES

Map based upon field measurements obtained by Kilham Associates on July 30 and August 5, 1999.

Water Elevations are for May 25, 2000.

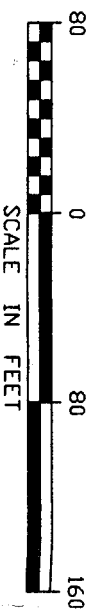
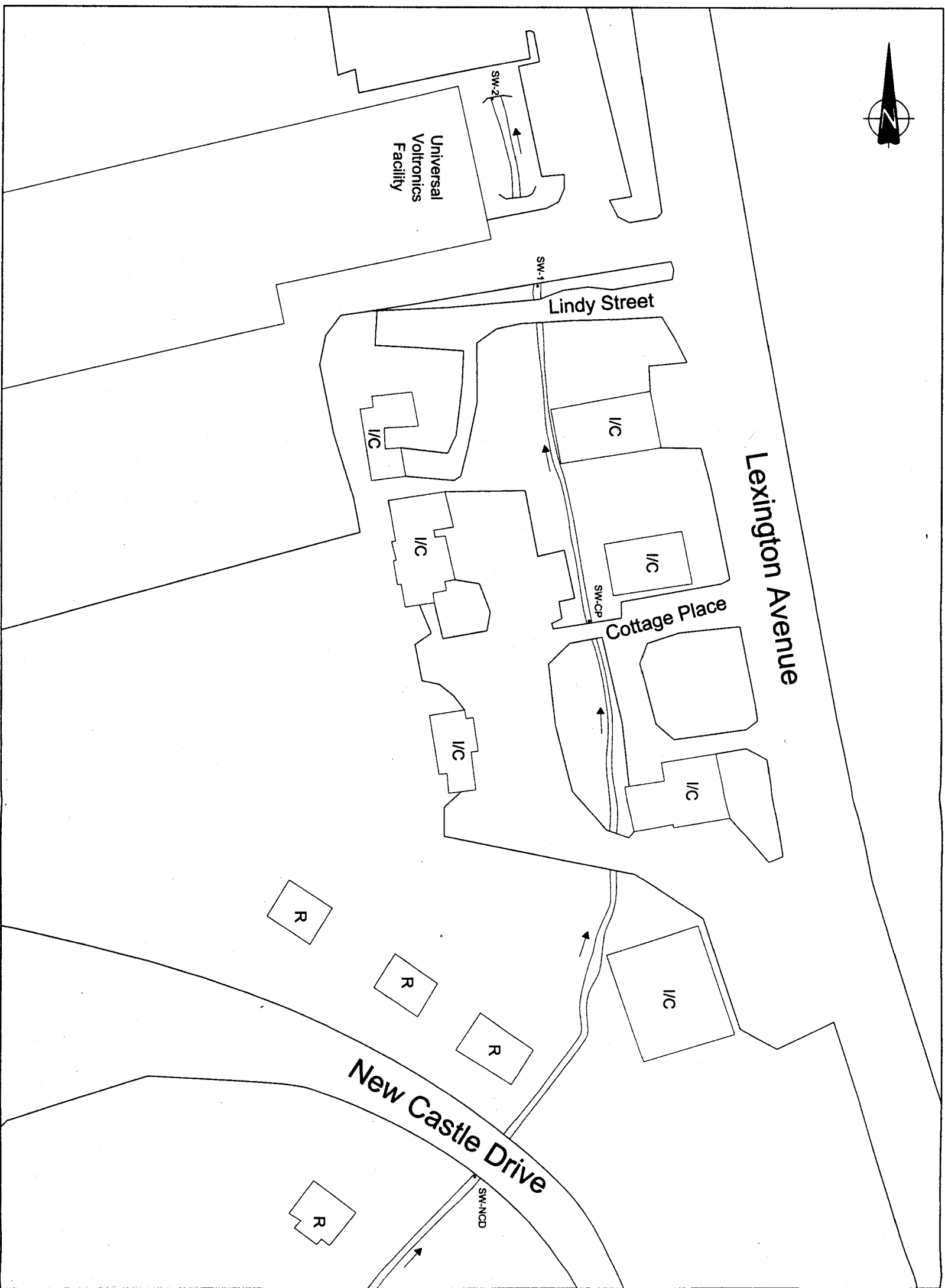
* Water elevation from MW-1D is not included to contour map due to its deeper screened interval (30-40' bgs).



Thermo Volttek
Universal Volttronics Facility
Mt. Kisco, NY
Groundwater Flow Map
May 25, 2000
Figure 2

Kilham

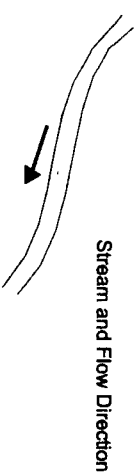
Associates a Consulting Engineers



LEGEND

I/C Industrial or
Commercial Facility
R Residential Unit

SW-CP • Surface-water Sample
Location



NOTES

Scanned from copy of Village Map as
originally done by Badey & Watson;
Coldspring, New York.

Thermo Voltek
Universal Voltronics
Mt. Kisco, NY
Surface-water Sampling Locations
June 28, 2000
Figure 3

Killam
Associates ■ Consulting Engineers

APPENDIX A

Monitoring Well Sample Logs

Monitoring Well Sampling Log

Owner's Well No. : MW-1

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 101.49 ft Ground Surface: 101.70 ft

Total Well Depth from Top of Casing: 14.5 ft
Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 0.45 feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Centrifugal Pump Start time: 1125 hrs

One Well Volume: 9.17 Gal End time: 1201 hrs

Total Purge Volume: 27.5 Gal

DTW after Purging: 8.50 ft Purge Rate: 0.76 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	9.5	7.5	2.93	1.23
after	11.8	7.75	2.55	0.84

Sampling Information

Sample Number: MW-1 Sample Start Time: 1308 hrs
Sample Method: Teflon Bailer

DTW before Sampling: 0.83 ft Sample Analysis: VO+10
DTW after Sampling: 1.16 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	10.9	7.9	2.45	0.64

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-1D

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC Geologic Formation: Bedrock

Elevations

Top of Casing: 101.47 ft Ground Surface: 101.71 ft

Total Well Depth from Top of Casing: 40.5 ft
Depth to Screen from Top of Casing: 30 ft

Purge Information

Depth to Water from Top of Casing: 0.34 feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Submersible Pump Start time: 1118 hrs
One Well Volume: 26.2 Gal End time: 1450 hrs
Total Purge Volume: 55 Gal
DTW after Purging: 30.30 ft Purge Rate: 0.26 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	12.7	7.39	1.28	1.06
after	16.6	7.86	1.83	0.54

Sampling Information

Sample Number: MW-1D Sample Start Time: 1714 hrs
Sample Method: Teflon Bailer

DTW before Sampling: 10.99 ft Sample Analysis: VO+10
DTW after Sampling: 11.18 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	12	7.66	1.18	0.39

Field Personnel: S. Allen, J. Bell

Comments: This well did not recharge well. Ceased and resumed purging once during purge process.

Monitoring Well Sampling Log

Owner's Well No. : MW-2

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 100.74 ft Ground Surface: 101.16 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 3.48 feet

Organic Vapor Readings: 0.2 ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1322 hrs

One Well Volume: 7.2 Gal

End time: 1400 hrs

Total Purge Volume: 25 Gal

DTW after Purging: 9.65 ft

Purge Rate: 0.66 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	10.2	7.58	2.42	0.6
after	11.3	7.81	2.78	0.64

Sampling Information

Sample Number: MW-2

Sample Start Time: 1544 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 3.26 ft

Sample Analysis: VO+10

DTW after Sampling: 3.45 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	9.8	7.75	2.34	0.65

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-3

Client: Thermo Electron - Universal Voltronics

Date: 2/23/00

Site Location: Mt. Kisco, NY

ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 98.36 ft

Ground Surface: 98.73 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.25 feet

Organic Vapor Readings: 0.1 ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1420 hrs

One Well Volume: 8.0 Gal

End time: 1500 hrs

Total Purge Volume: 25 Gal

DTW after Purging: 10.80 ft

Purge Rate: 0.63 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	8.2	8.03	2.1	0.23
after	12.0	8.05	2.34	0.35

Sampling Information

Sample Number: MW-3

Sample Start Time: 1554 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 2.43 ft

Sample Analysis: VO+10

DTW after Sampling: 2.70 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	9.6	8.04	1.65	0.93

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-5

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 97.86 ft

Ground Surface: 98.19 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 1.87 feet

Organic Vapor Readings: 63 ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1536 hrs

One Well Volume: 8.23 Gal

End time: 1623 hrs

Total Purge Volume: 30 Gal

DTW after Purging: 3.00 ft

Purge Rate: 0.64 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	9.3	7.63	0.63	0.76
after	7.9	7.01	0.88	1.58

Sampling Information

Sample Number: MW-5

Sample Start Time: 1659 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 1.78 ft

Sample Analysis: VO+10

DTW after Sampling: 1.84 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	7.7	6.91	0.58	1.65

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-6

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 100.02 ft

Ground Surface: 100.42 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.13 feet

Organic Vapor Readings: ND ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1525 hrs

One Well Volume: 8.07 Gal

End time: 1610 hrs

Total Purge Volume: 30 Gal

DTW after Purging: 3.80 ft

Purge Rate: 0.67 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	9.2	7.05	0.85	1.89
after	9.3	7.1	0.7	1.82

Sampling Information

Sample Number: MW-6

Sample Start Time: 1640 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 2.15 ft

Sample Analysis: VO+10

DTW after Sampling: 2.31 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	8.4	7.03	0.83	1.97

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-7

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 101.36 ft Ground Surface: 101.68 ft

Total Well Depth from Top of Casing: 14.5 ft
Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.1 feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1213 hrs

One Well Volume: 8.1 Gal

End time: 1252 hrs

Total Purge Volume: 25 Gal

DTW after Purging: 6.80 ft

Purge Rate: 0.64 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	11.8	7.16	1.18	0.72
after	13	7.6	1.85	0.58

Sampling Information

Sample Number: MW-7
Sample Method: Teflon Bailer

Sample Start Time: 1351 hrs

DTW before Sampling: 1.84 ft
DTW after Sampling: 2.08 ft

Sample Analysis: VO+10, TPH, BN+15

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	12.0	7.42	1.23	0.7

Field Personnel: S. Allen, J. Bell

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-8

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 2/23/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 103.11 ft Ground Surface: 103.38 ft

Total Well Depth from Top of Casing: 14.5 ft
Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 0.0* feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Centrifugal Pump Start time: 1300 hrs

One Well Volume: 9.47 Gal End time: 1346 hrs

Total Purge Volume: 30 Gal

DTW after Purging: 9.52 ft Purge Rate: 0.65 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (S)
before	8.4	7.46	2.37	0.98
after	11.4	7.34	2.13	1.26

Sampling Information

Sample Number: MW-8 Sample Start Time: 1414 hrs
Sample Method: Teflon Bailer

DTW before Sampling: 2.78 ft Sample Analysis: VO+10
DTW after Sampling: 2.54 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (S)
	7.9	7.41	NR	0.94

Field Personnel: S. Allen, J. Bell

Comments: * Initial depth to water was above the top of PVC.
NR = reading not obtained due to field sampler error.

Monitoring Well Sampling Log

Owner's Well No. : MW-1

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 5/25/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 101.49 ft

Ground Surface: 101.70 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 0.00 feet

Organic Vapor Readings: ND ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1555 hrs

One Well Volume: 9.47 Gal

End time: 1620 hrs

Total Purge Volume: 29.0 Gal

DTW after Purging: 9.70 ft

Purge Rate: 1.16 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	17.0	7.81	7.0	418
after	17.7	7.83	9.0	425

Sampling Information

Sample Number: MW-1

Sample Start Time: 1645 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 3.70 ft

Sample Analysis: VO+10

DTW after Sampling: 3.72 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	15.3	7.89	9.9	410

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-3

Client: Thermo Electron - Universal Voltronics

Site Location: Mt. Kisco, NY

Date: 5/25/00

ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 98.36 ft

Ground Surface: 98.73 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.36 feet

Organic Vapor Readings: ND ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1150 hrs

One Well Volume: 7.9 Gal

End time: 1215 hrs

Total Purge Volume: 24.5 Gal

DTW after Purging: 9.65 ft

Purge Rate: 0.98 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	17.1	7.74	9.7	250
after	13.1	7.82	4.7	257

Sampling Information

Sample Number: MW-3

Sample Start Time: 1230 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 4.64 ft

Sample Analysis: VO+10

DTW after Sampling: 4.60 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	15.1	7.95	5.4	273

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-4

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 5/25/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 99.44 ft Ground Surface: 99.86 ft

Total Well Depth from Top of Casing: 14.5 ft
Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.20 feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1210 hrs

One Well Volume: 8.0 Gal

End time: 1245 hrs

Total Purge Volume: 25.5 Gal

DTW after Purging: 7.50 ft

Purge Rate: 0.73 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	17.9	7.15	4.8	527
after	14.9	7.33	5.0	585

Sampling Information

Sample Number: MW-4
Sample Method: Teflon Bailer

Sample Start Time: 1257 hrs

DTW before Sampling: 3.90 ft

Sample Analysis: VO+10

DTW after Sampling: 3.70 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	13.8	7.05	2.9	612

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-5

Client: Thermo Electron - Universal Voltronics

Date: 5/25/00

Site Location: Mt. Kisco, NY

ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 97.86 ft Ground Surface: 98.19 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 1.86 feet

Organic Vapor Readings: 90 ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1008 hrs

One Well Volume: 8.3 Gal

End time: 1038 hrs

Total Purge Volume: 25 Gal

DTW after Purging: 3.90 ft

Purge Rate: 0.83 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	15.2	8.15	4.1	212
after	15.1	7.14	5.0	332

Sampling Information

Sample Number: MW-5

Sample Start Time: 1100 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 2.29 ft

Sample Analysis: VO+10

DTW after Sampling: 2.31 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	17.4	7.11	2.4	349

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-6

Client: Thermo Electron - Universal Voltronics

Date: 5/25/00

Site Location: Mt. Kisco, NY

ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 100.02 ft

Ground Surface: 100.42 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 2.20 feet

Organic Vapor Readings: <0.2 ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1309 hrs

One Well Volume: 8.0 Gal

End time: 1339 hrs

Total Purge Volume: 24.5 Gal

DTW after Purging: 5.10 ft

Purge Rate: 0.82 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	14.9	7.50	4.2	414
after	14.1	7.27	1.1	456

Sampling Information

Sample Number: MW-6

Sample Start Time: 1440 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 2.31 ft

Sample Analysis: VO+10

DTW after Sampling: 2.43 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	15.3	7.79	1.7	462

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-7

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 5/25/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 101.36 ft Ground Surface: 101.68 ft

Total Well Depth from Top of Casing: 14.5 ft

Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 1.43 feet

Organic Vapor Readings: ND ppm

Depth to Free product: NA feet

Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1515 hrs

One Well Volume: 8.5 Gal

End time: 1545 hrs

Total Purge Volume: 27 Gal

DTW after Purging: 8.18 ft

Purge Rate: 0.9 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	19.3	7.96	9.8	374
after	18.9	8.11	8.7	381

Sampling Information

Sample Number: MW-7

Sample Start Time: 1616 hrs

Sample Method: Teflon Bailer

DTW before Sampling: 2.27 ft

Sample Analysis: VO+10

DTW after Sampling: 2.42 ft

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	16.7	7.73	6.1	396

Field Personnel: M. Smith, C. Corliss

Comments: None.

Monitoring Well Sampling Log

Owner's Well No. : MW-8

Client: Thermo Electron - Universal Voltronics
Site Location: Mt. Kisco, NY

Date: 5/25/00
ETKA No: 255804.0001

Well Type: Monitoring Well 4" - PVC

Geologic Formation: Overburden

Elevations

Top of Casing: 103.11 ft Ground Surface: 103.38 ft

Total Well Depth from Top of Casing: 14.5 ft
Depth to Screen from Top of Casing: 4 ft

Purge Information

Depth to Water from Top of Casing: 0.00 feet
Organic Vapor Readings: ND ppm
Depth to Free product: NA feet
Free product thickness: 0 feet

Purging Method: Centrifugal Pump

Start time: 1410 hrs

One Well Volume: 9.5 Gal

End time: 1445 hrs

Total Purge Volume: 28 Gal

DTW after Purging: 9.73 ft

Purge Rate: 0.8 GPM

Purge Chemistries	Temperature (°C)	pH	DO	Cond (uS)
before	16.1	7.67	6.5	580
after	17.2	7.66	8.9	549

Sampling Information

Sample Number: MW-8
Sample Method: Teflon Bailer

Sample Start Time: 1500 hrs

DTW before Sampling: 6.84 ft

DTW after Sampling: 6.78 ft

Sample Analysis: VO+10

Sample Chemistries	Temperature (°C)	pH	DO	Cond (uS)
	17.6	7.90	11.7	563

Field Personnel: M. Smith, C. Corliss

Comments:

APPENDIX B

Laboratory Analytical Data Package