RESULTS OF PRELIMINARY SITE INVESTIGATION

31 & 45A Sea Cliff Avenue Properties

Prepared for:

Photocircuits Corporation
31 Sea Cliff Avenue
Glen Cove, New York 11542

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D4502

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1.0 INTRODUCTION

On behalf of Photocircuits Corporation (Photocircuits), McLaren/Hart Environmental Engineering Corporation (McLaren/Hart) has completed the implementation of a Preliminary Site Investigation (PSI) to assess soil and ground water quality at two adjacent properties located at 31 Sea Cliff Avenue and 45A Sea Cliff Avenue in Glen Cove, New York. The purpose of the PSI was to verify and update results of previous investigations, since several years had elapsed since these investigations were conducted, and to provide a basis for evaluation of the site prior to negotiation of an Administrative Consent Order (ACO) with the New York Department of Environmental Conservation (NYSDEC). Since 1986, several phases of investigatory activities have been performed at the Photocircuits Site located at 31 Sea Cliff Avenue ("Photocircuits Site") and at the adjacent property at 45A Sea Cliff Avenue formerly owned by Slater Electric/Pass & Seymour ("45A Site"). During these previous activities, eleven monitoring wells were installed at the Photocircuits Site and three were installed at the 45A Site. Additionally, several soil borings were advanced at each of the sites to assess contaminant impacts to soil.

The scope of the PSI included redevelopment, resurveying and sampling of existing monitoring wells at both sites, and collection of soil samples using a Geoprobe® at five Areas of Review (AORs) at each site. AORs were selected based on data generated in previous investigations and on the March 1994 report prepared by the Nassau County Department of Public Works (DPW) detailing a preliminary site assessment conducted in the Sea Cliff Avenue Industrial Area, of which the two Sites are a part.

2.0 SITE INVESTIGATION METHODOLOGIES

The monitoring well redevelopment; groundwater sampling and soil sampling methodologies are described in the following section.

2.1 MONITORING WELL REDEVELOPMENT

Redevelopment of the existing monitoring wells was performed by Aquifer Drilling & Testing of Woodside, New York and was conducted under the supervision of a McLaren/Hart geologist. Locations of existing monitoring wells on both sites are shown in Figure 1. Redevelopment was completed over a two-day period from August 5 to 6, 1996. Development of the four inch diameter wells was performed using a surge block followed by pumping. The surge block was lowered into the well with the aid of a drill rig and surged up and down repeatedly to draw water in and out of the well screen. One to two well volumes were pumped from each well immediately after surging. The 2 inch diameter wells were developed by surging and pumping simultaneously with polyethylene tubing equipped with a check valve. The tubing and check valve were placed at the bottom of the well and repeatedly raised and lowered by hand. This motion forced water into and out of the screen and removed water from the well. One to two well volumes were removed during the development process.

2.2 GROUNDWATER SAMPLING

Groundwater sampling was conducted August 6-8, 1996. Depth to water measurements were made in monitoring wells using an electronic water level indicator prior to purging. Water level measurements are provided in Table 1. Each of the wells was purged prior to sampling using either a centrifugal pump or submersible pump. Purging was complete when three to five well volumes were removed from each well, or when the well became dry. Measurements of temperature, specific

conductivity, pH, turbidity, and dissolved oxygen were taken prior to purging, after purging, and immediately after sampling. In several cases where wells were purged dry or recovered poorly, post-purging and post-sampling measurements were not obtained due to the lack of sufficient water in the well for measurement.

Samples were collected from eleven wells on the Photocircuits Site and three wells on the 45A Site. Several wells were purged to dryness and were allowed to recharge sufficiently prior to sampling. Groundwater samples were collected using disposable Teflon bailers fitted with new bailer cord. All samples were obtained by lowering the bailer into the well until it was submerged in the water column. The bailer containing the sample was then retrieved and the groundwater poured into the sample containers.

A Geoprobe® with a temporary well point sampler was used to obtain two groundwater samples, GW-GP-08 and GW-GP-10. These samples were obtained by hydraulically driving a clean, vertically slotted, two-foot long temporary well point into the water bearing zone. Once the temporary well point was positioned in the water bearing zone, a minimum of three well point volumes were removed before sampling by inserting a dedicated length of polyethylene tubing attached to a peristaltic pump. At the surface, the ground water was placed into prelabelled laboratory-supplied sample containers. The polyethylene tubing was discarded after the sampling of each temporary well.

Groundwater samples were analyzed for volatile organic compounds (VOCs) by SW-846 Method 8240/8260 plus a 15-compound library search by McLaren/Hart's Field Services Division mobile laboratory. The laboratory is certified in the State of New York for the analytical method used for this project. Appropriate chain-of-custody procedures were followed throughout sample handling. In addition to the field samples, trip blanks, field blanks, field duplicate samples, and matrix spike/matrix spike duplicate samples were collected for QA/QC purposes.

2.3 SOIL SAMPLING

Based upon a review of the Nassau County DPW report and results of previous site investigations conducted by Holzmacher, McLendon & Murrell (H2M), a total of ten areas of review (AORs) were identified on the Photocircuits and 45A Sites. McLaren/Hart completed seventeen soil borings (GP-01 to GP-17) at five AORs on the Photocircuits Site using a Geoprobe sampling unit. Soil sampling locations are depicted on Figure 2. The investigation began on Tuesday, August 13, around the chemical storage building on the south end of the site. Four Geoprobe borings were completed in this vicinity: GP-01, GP-02, GP-03, and GP-05. Three borings were placed around a second AOR, an above ground fuel oil storage tank, and were labeled GP-04, GP-06, and GP-07. The eastern side of the Butler No. 2 Building was designated an AOR because historical groundwater quality data from MW-2 indicated the presence of volatile organic compounds. To investigate this AOR, three borings were placed along the eastern boundary of the Photocircuits Site, GP-08, GP-09, and GP-10. Seven soil borings were completed in the vicinity of the two remaining AORs on the Photocircuits property, the Acid/Base/Solvent tank farm and the drum storage area, which are both located near well MW-7. These borings were labeled GP-11 through GP-17.

The soil investigation on the 45A Site was begun on August 19, 1996 and a total of thirteen soil borings were completed using the Geoprobe unit. Five AORs were identified on the 45A Site. The first AOR, three former aboveground waste oil tanks, is located on the eastern side of the main building. Four borings were placed around the existing concrete enclosure and were designated GP-18 to GP-21. The second AOR is located south of the main building, west of well MW-1S, and is described as a former hydraulic oil and drum storage area. Four borings, designated GP-22 to GP-25, were completed around the existing concrete enclosure. A third AOR is located on the northern side of Building 7 and is identified as a possible drum storage area. Three borings were advanced in this area and were designated GP-27 to GP-29. The fourth AOR, identified as previous locations of two above ground tetrachloroethene (PCE) storage tanks, is located outside the western wall of Building

7. Due to limited access imposed by the fence along the property boundary, only two soil borings were possible around this AOR. The first, GP-26, is south of the existing concrete enclosure and the second, GP-30, is inside Building 7, along the west wall. An active 20,000 gallon fuel oil storage tank was identified as a fifth AOR on the 45A Site, however, a sample could not be collected at this location due to access constraints.

Soil samples were collected continuously from ground surface to the depth at which ground water was encountered, with the exception of several intervals of borings GP-28, GP-29 and GP-30, lithology in the area of these three borings is adequately provided by nearby borings GP-26 and GP-27. On the Photocircuits Site, depth to ground water ranged from four feet to eleven feet. On the 45A Site ground water was encountered at depths between ten feet and twenty-four feet. Logs for soil borings completed are included in Appendix A.

Soil samples were obtained by driving a decontaminated two or four foot long, acetate-lined, stainless steel sampling tube to a position just above the desired sampling depth. After the sampling tube was properly positioned, the tube was driven an additional two or four feet, allowing soil to enter the tube. The sampling tube was retrieved at the surface and the soil removed from the acetate liner within the tube.

Soil samples were field screened using a calibrated photoionization detector (PID). Field screen readings were taken directly from the acetate liner or by headspace readings from a VOA vial. Soil vapor screening data is recorded on the soil boring logs provided in Appendix A.

Soil samples were preserved on ice until delivered to the McLaren/Hart laboratory. Appropriate sample chain-of-custody procedures were followed for sample handling. Soil samples were analyzed using SW-846 Method 8240/8260 including a 15-compound library search. Use of this analytical method was approved by the NYSDEC prior to implementation of the PSI. Approval was received from C. Vasudevan of NYSDEC in a letter dated August 15, 1996.

3.0 RESULTS AND CONCLUSIONS

3.1 SOIL SAMPLING RESULTS

Analytical results from the seventeen soil samples collected on the Photocircuits Site indicated the presence of volatile organic compounds (VOCs) in soils at the five AORs. However, only two of the AORs, the drum storage area and the acid/base/solvent tank farm, contained VOCs at concentrations in excess of the NYSDEC Soil Cleanup Objectives contained in Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046. Soil samples from GP-11 and GP-12 contained three compounds in excess of the NYSDEC limits: 1,1-dichloroethene, 1,1-dichloroethane, and 1,1,1-trichloroethane. Figure 2 depicts the locations of soil samples collected along with the corresponding analytical results. A summary of analytical data for soil samples from both the 31 and 45A Sites is provided in Table 2. A summary of compounds detected above the method detection limit (MDL) is provided in Table 3.

On the 45A Site, soil samples from three of the four investigated AORs contained detectable concentrations of VOCs. VOCs were not detected in the four soil samples collected around the 1000 gallon hydraulic oil tank/drum storage area. However, only one soil sample near the above ground PCE storage tank, GP-30, demonstrated VOC concentrations which contained VOCs in excess of the NYSDEC Soil Cleanup Objective for tetrachloroethene.

Soil samples were collected in 1986 by H2M from a series of thirteen soil borings soil samples were analyzed for VOCs and metals. Since the boring locations and sampling intervals from the 1986 soil boring program are different from those of the recent PSI, the data from these two sets of samples may not completely correlate. However, similarities are evident in the results obtained from both events, specifically in the vicinity of the acid/base/solvent storage and drum storage areas near MW-7. Concentrations of chlorinated aliphatics (1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane,

1,1,1-trichloroethane, trichloroethene, and tetrachloroethene) were detected in excess of NYSDEC Soil Cleanup Objectives in soil samples collected during the 1986 H2M investigation and the 1996 PSI.

3.2 GROUND WATER SAMPLING RESULTS

VOCs were detected in four of the eleven monitoring wells on the Photocircuits Site and in one of the two temporary well point samples collected with the Geoprobe® on the eastern side of the Photocircuits property. Results of the groundwater analyses are provided in Tables 4 through 7.

The groundwater sample from MW-7, a shallow well in the vicinity of the acid/base/solvent tank farm and the drum storage area, contained the following compounds at concentrations in excess of 6NYCRR Part 703.5 standards for Class GA waters: vinyl chloride, chloroethane, 1,1-dichloroethene, methylene chloride, 1,1-dichloroethane, 1,2-dichloroethane, 2-butanone, 1,1,1-trichloroethane, trichloroethene, toluene, and tetrachloroethane.

The sample from MW-10, a deep well on the northeast corner of the Photocircuits property, contained the following compounds at concentrations exceeding the Part 703.5 standards: 1,1-dichloroethene, 1,1-dichloroethane, 1,1,1-trichloroethane, trichloroethene, and tetrachloroethane.

The groundwater sample from NC-Well, a shallow well located adjacent to the north edge of the Photocircuits property along Sea Cliff Avenue, contained 1,1-dichloroethane and 1,1,1-trichloroethane in concentrations in excess of Part 703.5 standards.

cis 1,2-Dichloroethane was detected in samples from MW-7, MW-9, MW-10, and NC-Well, however, this compound is not included in the Part 703.5 standards.

GW-GP-10, a groundwater sample collected from a temporary well point on the east side of the Butler No. 2 Building indicated concentrations of toluene, m, p and o-xylene in excess of the NYSDEC standards.

On the 45A Site, groundwater samples from two of the three shallow monitoring wells indicated VOCs above the laboratory detection limits. The sample from well MW-1S, which is located southeast of the main building, indicated tetrachloroethene at a concentration exceeding the part 703.5 standard. The sample from well MW-3S, located north of the main building, indicated trichloroethene and tetrachloroethene at concentrations in excess of the part 703.5 standards.

A complete listing of the analytical data for groundwater on the Photocircuits and 45A Sites is provided in Table 4 and a summary of data for groundwater samples with detected analyte concentrations is provided as Table 5. Detected VOC concentrations for the monitoring wells on both sites are also summarized in Figure 2.

A comparison of groundwater analytical data from the December, 1991 sampling performed by H2M at the Photocircuits Site with the groundwater data obtained during the August 1996 PSI is provided in Table 6. With the exception of MW-7 and MW-10, concentrations of VOCs in the groundwater samples collected in 1996 are appreciably less than those in the 1991 samples. A comparison of analytical results from the two groundwater sampling events at the 45A Site is presented in Table 7. Again, it appears that concentrations of VOCs in groundwater have decreased from 1991 to 1996.

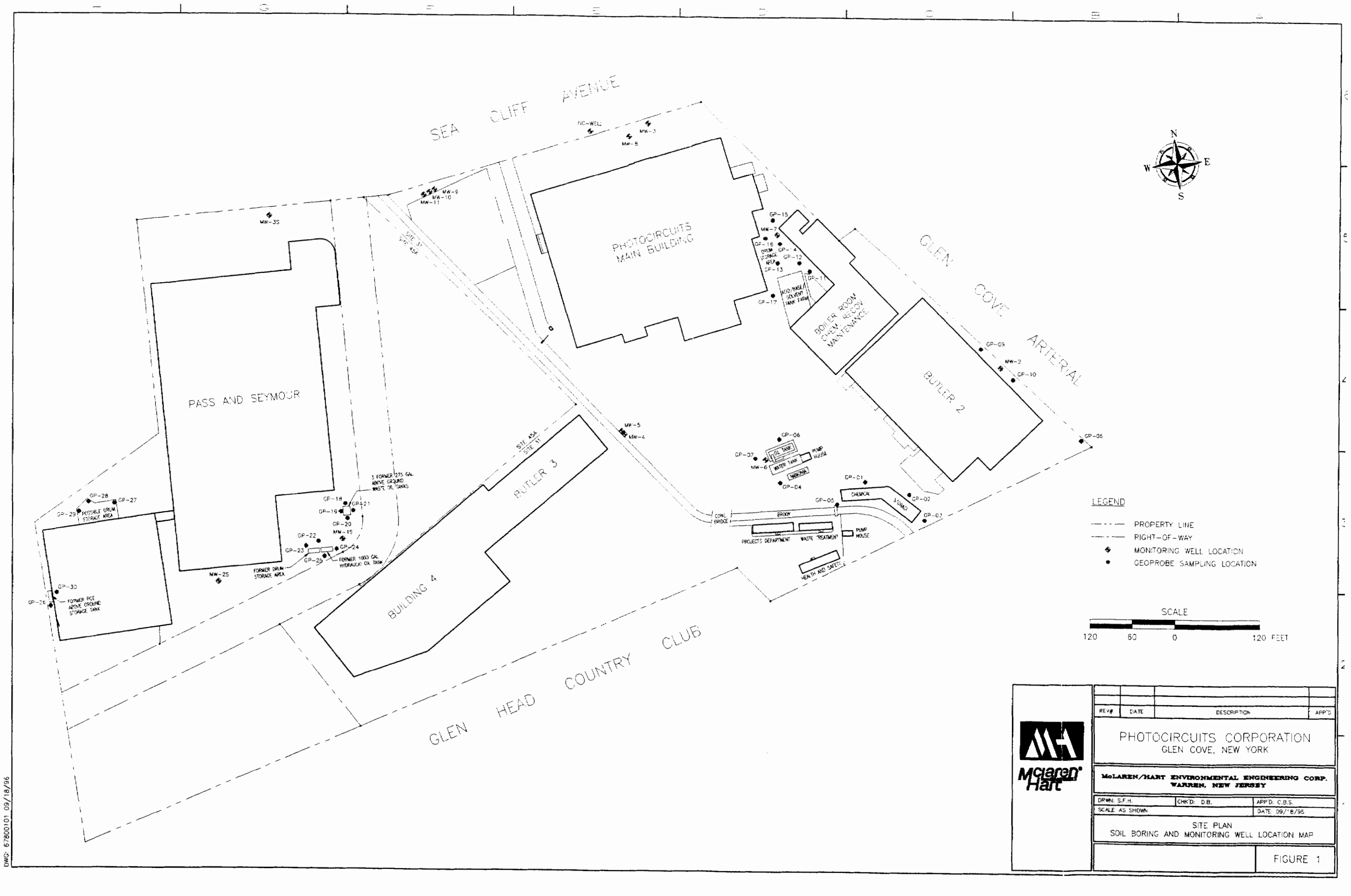
3.3 GROUNDWATER FLOW

Depth to water measurements were collected from the monitoring wells at the Photocircuits and 45A Sites on two separate occasions, once in conjunction with the groundwater sampling on August 7, 1996 and again on September 10, 1996. Figures 3 and 4 depict groundwater potentiometric surface

contours for the shallow and deep wells for August 7, while Figures 5 and 6 depict ground water potentiometric contours for the shallow and deep wells for September 10. Groundwater flow in the deep aquifer is clearly to the northwest, consistent with earlier data. Groundwater in the shallow aquifer also flows predominantly toward the northwest, however, water level measurements from each period reveals the presence of a groundwater depression on the Photocircuits property, near MW-7. Such anomalies are most likely the result of local variations in aquifer hydraulic conductivity which may cause a delay in movement of ground water towards a well. Precipitation may also influence the shallow ground water and thus seasonal fluctuations may also be observable over a longer period. The anomalies observed may also be present only under certain precipitation and recharge conditions.

3.4 COMPARISON WITH PALL CORPORATION WELL DATA

In October 1995, ground water sampling was conducted at the Pall Corporation Site, located across Sea Cliff Avenue to the north of the main Photocircuits facility (31 Sea Cliff Avenue Site). Monitoring wells MW-1P and MW-6P are located on the south side of the Pall Corporation property, closest to the northern property boundary of the Photocircuits Site. Table 8 compares the ground water analytical results obtained for MW-1P and MW-6P to the August 1996 results for the six monitoring wells on the north side of the Photocircuits property, MW-3, MW-8, NC-Well, MW-9, MW-10 and MW-11.



REV#	DATE	DESCRIPTION	APP'D

PHOTOCIRCUITS CORPORATION
GLEN COVE, NEW YORK

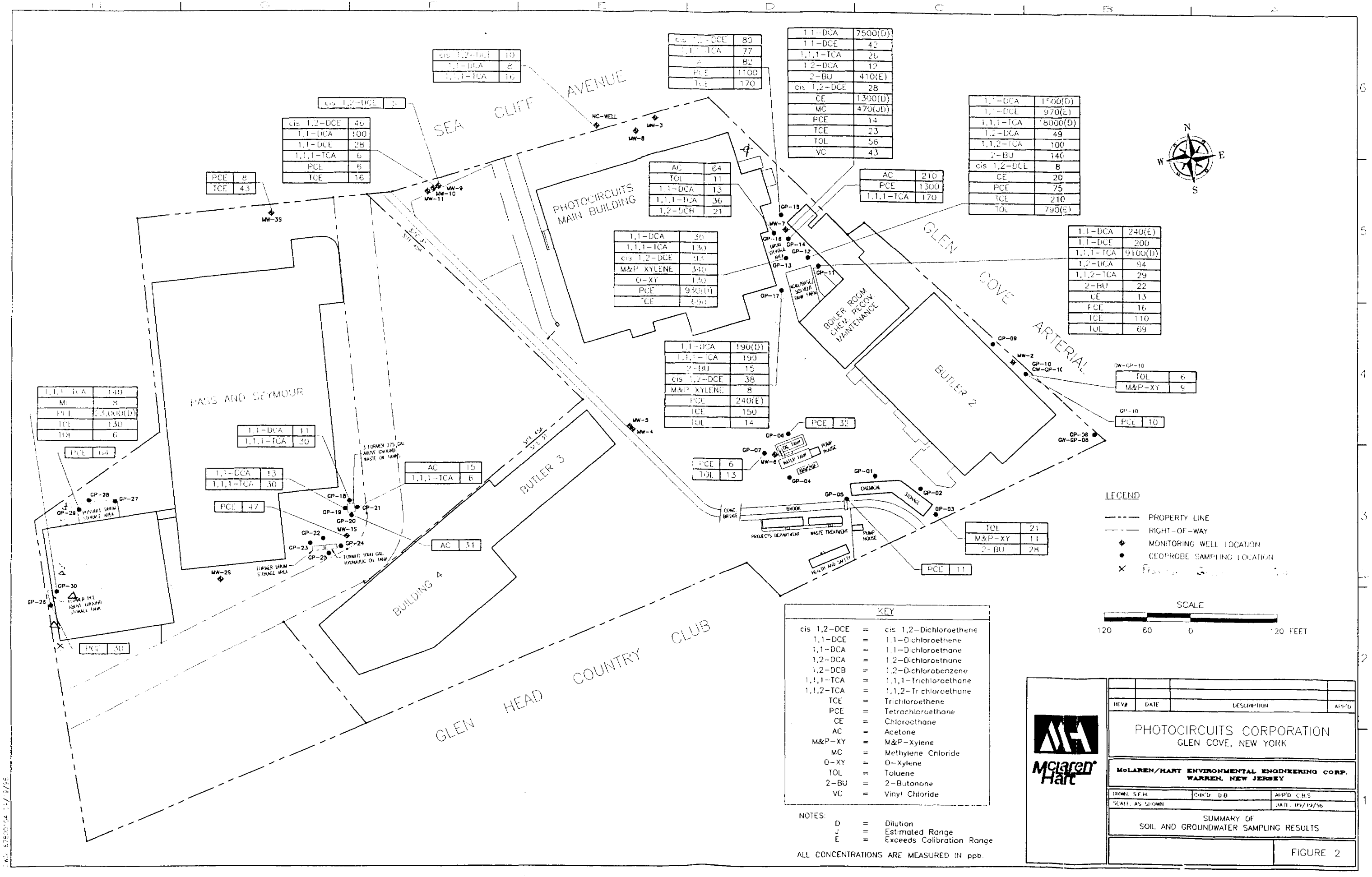
McLAREN/HART ENVIRONMENTAL ENGINEERING CORP.
WARREN, NEW JERSEY

DRWN: S.F.H.	CHK'D: D.B.	APP'D: C.B.S.
SCALE: AS SHOWN		DATE: 09/18/96

SITE PLAN
SOIL BORING AND MONITORING WELL LOCATION MAP

FIGURE 1

DWG: 67800101 09/18/96



KEY		
cis 1,2-DCE	=	cis 1,2-Dichloroethene
1,1-DCE	=	1,1-Dichloroethene
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,2-DCB	=	1,2-Dichlorobenzene
1,1,1-TCA	=	1,1,1-Trichloroethane
1,1,2-TCA	=	1,1,2-Trichloroethane
TCE	=	Trichloroethene
PCE	=	Tetrachloroethene
CE	=	Chloroethane
AC	=	Acetone
M&P-XY	=	M&P-Xylene
MC	=	Methylene Chloride
O-XY	=	O-Xylene
TOL	=	Toluene
2-BU	=	2-Butanone
VC	=	Vinyl Chloride

NOTES:
D = Dilution
J = Estimated Range
E = Exceeds Calibration Range

ALL CONCENTRATIONS ARE MEASURED IN ppb

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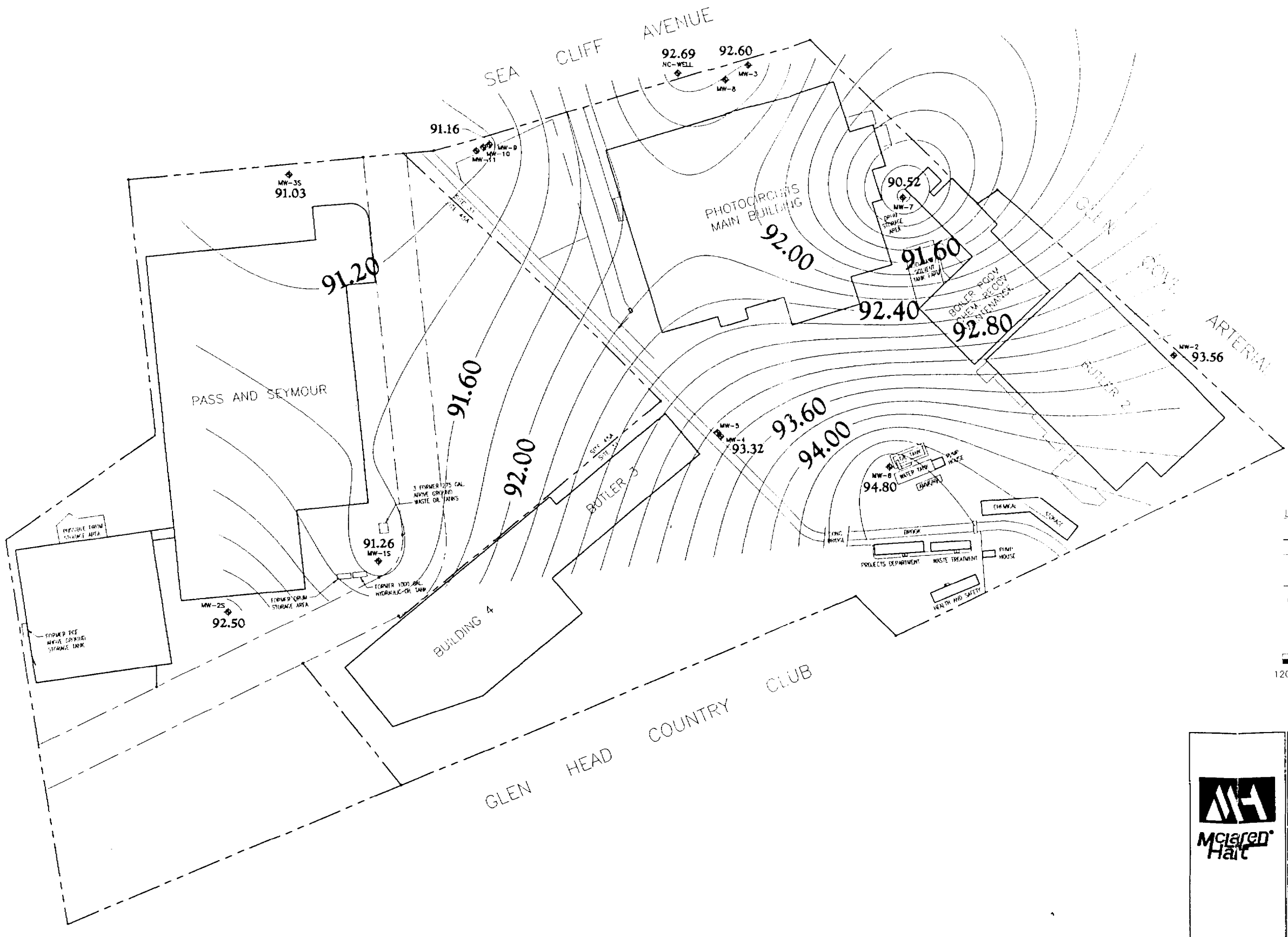
McLAREN/HART ENVIRONMENTAL ENGINEERING CORP.
WARREN, NEW JERSEY

DRAWN: S.F.H.	CHK'D: D.B.	APP'D: C.H.S.
SCALE: AS SHOWN		DATE: 09/19/96

SUMMARY OF
SOIL AND GROUNDWATER SAMPLING RESULTS

FIGURE 2



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- MONITORING WELL LOCATION
- POTENTIOMETRIC SURFACE CONTOUR (MSL)
- 93.56 GROUNDWATER ELEVATION

SCALE

120 60 0 120 FEET

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GLEN COVE, NEW YORK

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WARREN, NEW JERSEY

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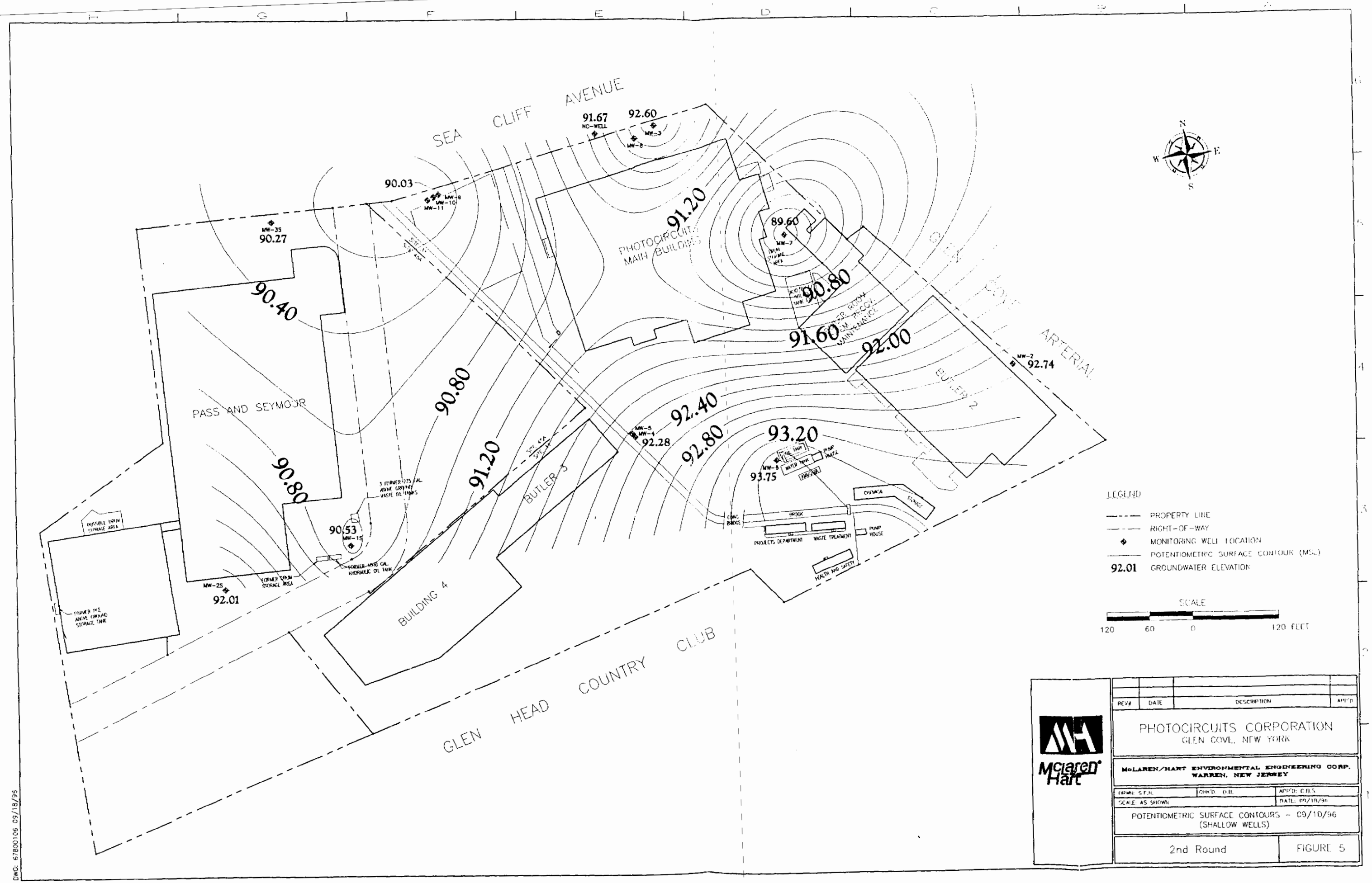
SCALE: AS SHOWN		DATE: 09/18/96

POTENTIOMETRIC SURFACE CONTOURS - 08/07/96
(SHALLOW WELLS)

1st Round | FIGURE 3

DWG: 67300102 09/18/96



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PHOTOCIRCUITS CORPORATION
GLEN COVE, NEW YORK

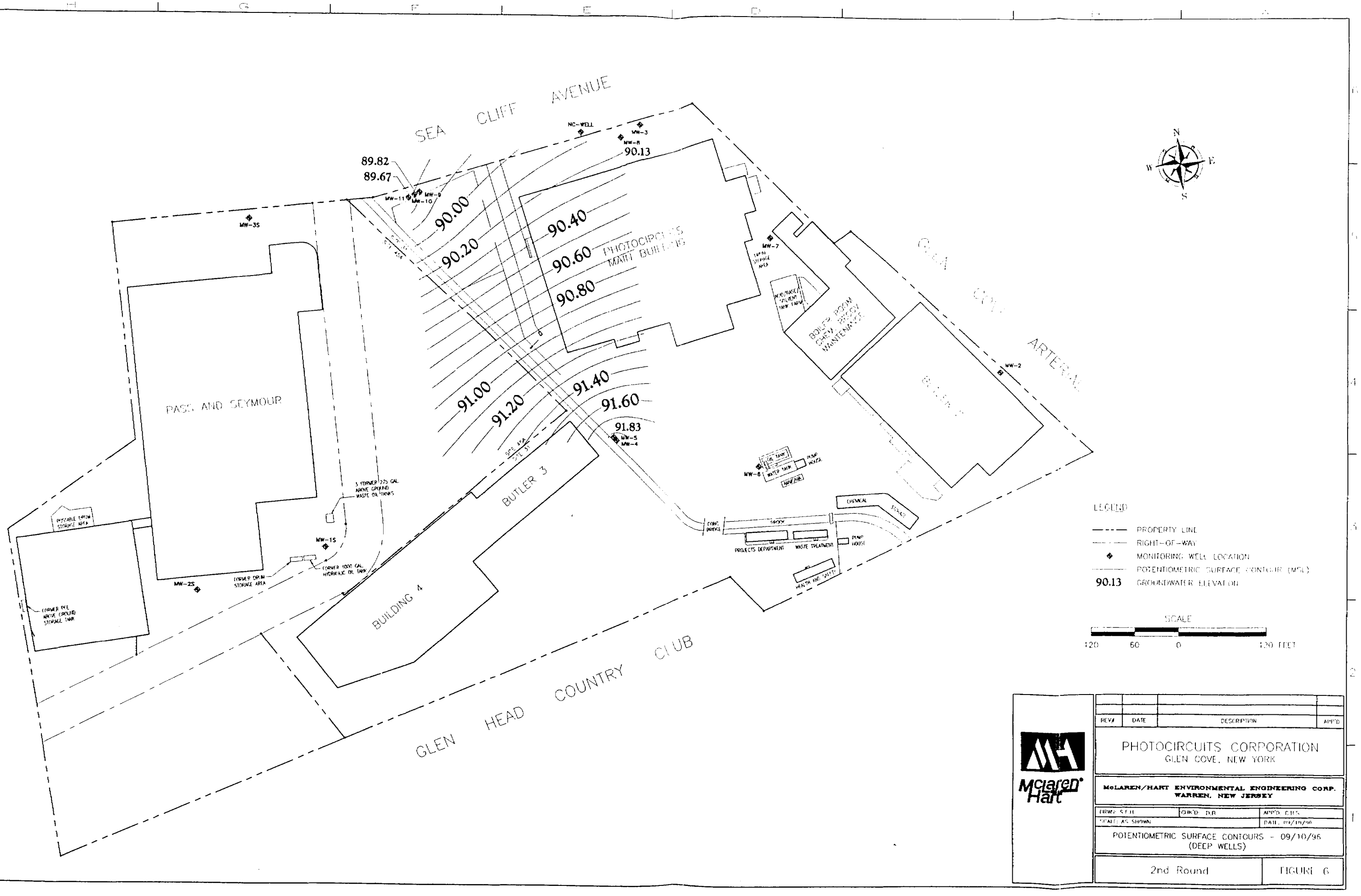
McLAREN/HART ENVIRONMENTAL ENGINEERING CORP.
WARREN, NEW JERSEY

DRWN: S.F.N.	CHK'D: D.B.	APP'D: C.B.S.
SCALE: AS SHOWN		DATE: 09/19/96

POTENTIOMETRIC SURFACE CONTOURS - 09/10/96
(SHALLOW WELLS)

2nd Round | FIGURE 5

DWG: 67800106 09/18/95



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- MONITORING WELL LOCATION
- POTENTIOMETRIC SURFACE CONTOUR (MSL)
- 90.13 GROUNDWATER ELEVATION

SCALE

120 60 0 120 FEET

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GLEN COVE, NEW YORK

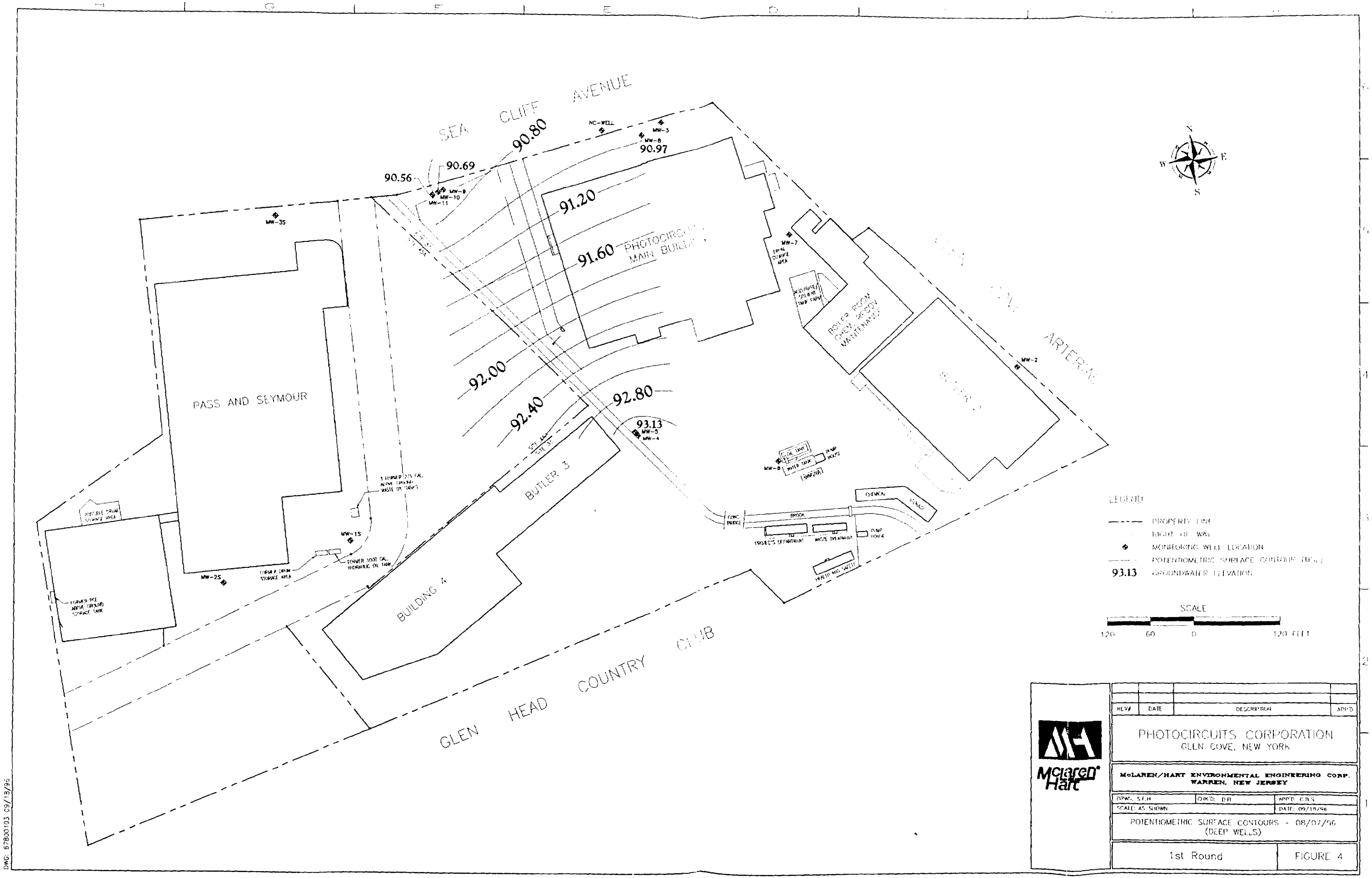
McLAREN/HART ENVIRONMENTAL ENGINEERING CORP.
WARREN, NEW JERSEY

DRWN: S.E.H.	CHK'D: D.R.	APP'D: C.R.S.
SCALE: AS SHOWN		DATE: 09/10/96

POTENTIOMETRIC SURFACE CONTOURS - 09/10/96
(DEEP WELLS)

2nd Round | FIGURE 6

DWG: 67800107.DWG 9/13/96



LEGEND

- PROPERTY LINE
- RIGHT OF WAY
- MONITORING WELL LOCATION
- POTENTIOMETRIC SURFACE CONTOUR (MSL)
- 93.13 GROUNDWATER ELEVATION

SCALE

120 60 0 120 FEET

REV#	DATE	DESCRIPTION	APP'D

PHOTOCIRCUITS CORPORATION
GLEN COVE, NEW YORK

McLAREN/HART ENVIRONMENTAL ENGINEERING CORP.
WARREN, NEW JERSEY

DRWN: S.E.H	CHKD: D.R	APP'D: C.B.S
SCALE: AS SHOWN		DATE: 09/18/96

POTENTIOMETRIC SURFACE CONTOURS - 08/07/96
(DEEP WELLS)

1st Round | FIGURE 4

DWG: 67800103 09/18/96

Table 1
Monitoring Well Measurements and Specifications
Photocircuits Corporation
Glen Cove, New York

Site	Well Number	Casing Diameter (in)	Depth to Bottom (ft)	Top of Casing Elevation (ft above MSL)	August 7, 1996		September 10, 1996	
					Depth to Water (ft)	Ground Water Elevation (ft above MSL)	Depth to Water (ft)	Ground Water Elevation (ft above MSL)
Pass & Seymour	MW-1s	4	20.62	101.94	10.68	91.26	10.68	70.64
	MW-2s	4	20.71	100.87	8.37	92.5	8.37	71.79
	MW-3s	4	18.73	99.83	8.8	91.03	8.8	72.3
Photocircuits	MW-2	2	24.62	102.76	9.2	93.56	9.2	68.94
	MW-3	2	18.98	98.8	6.2	92.6	6.2	92.6
	MW-4	2	23.66	97.56	4.24	93.32	4.24	69.66
	MW-5	2	99.32	97.39	4.26	93.13	4.26	-6.19
	MW-6	2	13.45	99	4.2	94.8	4.2	81.35
	MW-7	4	23.37	95.9	5.38	90.52	5.38	67.15
	MW-8	4	169.3	99.01	8.04	90.97	8.04	-78.33
	MW-9	4	27.57	98.5	7.34	91.16	7.34	63.59
	MW-10	4	130.27	98.43	7.74	90.69	7.74	-39.58
	MW-11	4	170	98.46	7.9	90.56	7.9	-79.44
	NC-Well	2	10.39	97.57	4.88	92.69	4.88	82.3

Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-01	GP-02	GP-03	GP-03 Dilution	GP-04	GP-05
Interval (feet)	Soil Cleanup	0.5-1	2-3	3-4	3-4	3-4.5	2.5-3.5
Site Location	Objectives *	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	6 U	6 U	6 U	28 U	5 U	6 U
Chloromethane	NA	12 U	12 U	11 U	55 U	11 U	12 U
Vinyl Chloride	200	12 U	12 U	11 U	55 U	4 J	12 U
Bromomethane	NA	12 U	12 U	11 U	55 U	11 U	12 U
Chloroethane	1900	12 U	12 U	11 U	55 U	11 U	12 U
Ethyl Ether	NA	6 U	6 U	6 U	28 U	5 U	6 U
tert-Butyl-Methyl-Ether	NA	6 U	6 U	6 U	28 U	5 U	6 U
Hexane	NA	6 U	6 U	6 U	28 U	5 U	6 U
Trichlorofluoromethane	NA	6 U	6 U	6 U	28 U	5 U	6 U
1,1-Dichloroethene	400	6 U	6 U	6 U	28 U	5 U	6 U
Carbon Disulfide	2700	1 J	12 U	2 J	55 U	11 U	12 U
Acetone	200	52 B	12 B	410 BE	500 B	48 B	10 JB
Methylene Chloride	100	6 U	6 U	6 U	28 U	5 U	6 U
trans-1,2-Dichloroethene	300	6 U	6 U	6 U	28 U	5 U	6 U
cis-1,2-Dichloroethene	NA	8	3 J	4 J	28 U	6	6 U
1,1-Dichloroethane	200	6 U	6 U	6 U	28 U	2 J	6 U
Vinyl Acetate	NA	12 U	12 U	11 U	55 U	11 U	12 U
Chloroform	300	6 U	6 U	6 U	28 U	5 U	6 U
1,2-Dichloroethane	100	6 U	6 U	6 U	28 U	5 U	6 U
2-Butanone	300	9 J	12 U	28	32 J	6 J	12 U
1,1,1-Trichloroethane	800	6 U	6 U	6 U	28 U	5 U	6 U
Carbon Tetrachloride	600	6 U	6 U	6 U	28 U	5 U	6 U
Benzene	60	6 U	6 U	6 U	28 U	5 U	6 U
Trichloroethene	700	6 U	2 J	3 J	28 U	5 U	2 J
1,2-Dichloropropane	NA	6 U	6 U	6 U	28 U	5 U	6 U
Bromodichloromethane	NA	6 U	6 U	6 U	28 U	5 U	6 U
cis-1,3-Dichloropropene	NA	6 U	6 U	6 U	28 U	5 U	6 U
2-Chloroethylvinylether	NA	6 U	6 U	6 U	28 U	5 U	6 U
trans-1,3-Dichloropropene	NA	6 U	6 U	6 U	28 U	5 U	6 U
1,1,2-Trichloroethane	NA	6 U	6 U	6 U	28 U	5 U	6 U
Dibromochloromethane	NA	6 U	6 U	6 U	28 U	5 U	6 U
Bromoform	NA	6 U	6 U	6 U	28 U	5 U	6 U
4-Methyl-2-Pentanone	1000	12 U	12 U	11 U	55 U	11 U	12 U
Toluene	1500	5 J	6 U	21	15 J	5 U	6 U
Tetrachloroethene	1400	6 U	13	4 J	28 U	5 U	11
2-Hexanone	NA	12 U	12 U	11 U	55 U	11 U	12 U
Chlorobenzene	1700	6 U	6 U	6 U	28 U	5 U	6 U
Ethylbenzene	5500	6 U	6 U	1 J	28 U	5 U	6 U
M&P Xylene	1200	6 U	6 U	11	9 J	5 U	6 U
O Xylene	(total xylene)	6 U	6 J	3 J	28 U	5 U	6 U
Styrene	NA	6 U	6 U	6 U	28 U	5 U	6 U
1,1,2,2-Tetrachloroethane	600	6 U	6 U	6 U	28 U	5 U	6 U
1,3-Dichlorobenzene	1600	6 U	6 U	6 U	28 U	5 U	6 U
1,4-Dichlorobenzene	8500	6 U	6 U	6 U	28 U	5 U	6 U
1,2-Dichlorobenzene	7900	6 U	6 U	6 U	28 U	5 U	6 U

Notes:
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Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-06	GP-07	GP-08	GP-09	GP-10	GP-11
Interval (feet)	Soil Cleanup	2-4	2-3	7.5-8.5	5-6.5	7-8	1-3
Site Location	Objectives *	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	6 U	NA	6 U	5 U	6 U	NA
Chloromethane	NA	11 U	11 U	12 U	10 U	11 U	12 U
Vinyl Chloride	200	11 U	11 U	12 U	10 U	11 U	12 U
Bromomethane	NA	11 U	11 U	12 U	10 U	11 U	12 U
Chloroethane	1900	11 U	11 U	12 U	10 U	11 U	13
Ethyl Ether	NA	6 U	5 U	6 U	5 U	6 U	6 U
tert-Butyl-Methyl-Ether	NA	6 U	5 U	6 U	5 U	6 U	6 U
Hexane	NA	6 U	5 U	6 U	5 U	6 U	6 U
Trichlorofluoromethane	NA	6 U	5 U	6 U	5 U	6 U	1 J
1,1-Dichloroethene	400	6 U	5 U	6 U	5 U	6 U	200
Carbon Disulfide	2700	11 U	11 U	12 U	10 U	11 U	4 J
Acetone	200	17 B	49 B	5 JB	4 JB	8 JB	71 B
Methylene Chloride	100	6 U	5 U	6 U	5 U	6 U	8 B
trans-1,2-Dichloroethene	300	6 U	5 U	6 U	5 U	6 U	6 U
cis-1,2-Dichloroethene	NA	4 J	5 U	6 U	5 U	6 U	3 J
1,1-Dichloroethane	200	6 U	5 U	6 U	5 U	6 U	240 E
Vinyl Acetate	NA	11 U	11 U	12 U	10 U	11 U	12 U
Chloroform	300	6 U	5 U	6 U	5 U	6 U	5 J
1,2-Dichloroethane	100	6 U	5 U	6 U	5 U	6 U	94
2-Butanone	300	11 U	7 J	12 U	10 U	11 U	22
1,1,1-Trichloroethane	800	6 U	5 U	6 U	5 U	6 U	1300 E
Carbon Tetrachloride	600	6 U	5 U	6 U	5 U	6 U	6 U
Benzene	60	6 U	5 U	6 U	5 U	6 U	6 U
Trichloroethene	700	6 U	5 U	6 U	5 U	6 U	110
1,2-Dichloropropane	NA	6 U	5 U	6 U	5 U	6 U	6 U
Bromodichloromethane	NA	6 U	5 U	6 U	5 U	6 U	6 U
cis-1,3-Dichloropropene	NA	6 U	5 U	6 U	5 U	6 U	6 U
2-Chloroethylvinylether	NA	6 U	5 U	6 U	5 U	6 U	6 U
trans-1,3-Dichloropropene	NA	6 U	5 U	6 U	5 U	6 U	6 U
1,1,2-Trichloroethane	NA	6 U	5 U	6 U	5 U	6 U	29
Dibromochloromethane	NA	6 U	5 U	6 U	5 U	6 U	6 U
Bromoform	NA	6 U	5 U	6 U	5 U	6 U	6 U
4-Methyl-2-Pentanone	1000	11 U	11 U	12 U	10 U	11 U	12 U
Toluene	1500	1 J	13	6 U	5 U	6 U	69
Tetrachloroethene	1400	32	6	6 U	3 J	10	16
2-Hexanone	NA	11 U	11 U	12 U	10 U	11 U	12 U
Chlorobenzene	1700	6 U	5 U	6 U	5 U	6 U	6 U
Ethylbenzene	5500	6 U	5 U	6 U	5 U	6 U	6 U
M&P Xylene	1200	6 U	2 J	6 U	5 U	6 U	6 U
O Xylene	(total xylene)	6 U	5 U	6 U	5 U	6 U	6 U
Styrene	NA	6 U	5 U	6 U	5 U	6 U	6 U
1,1,2,2-Tetrachloroethane	600	6 U	5 U	6 U	5 U	6 U	6 U
1,3-Dichlorobenzene	1600	6 U	5 U	6 U	5 U	6 U	6 U
1,4-Dichlorobenzene	8500	6 U	5 U	6 U	5 U	6 U	6 U
1,2-Dichlorobenzene	7900	6 U	5 U	6 U	5 U	6 U	6 U

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Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-11 Dilution	GP-12	GP-12 Dilution	GP-13	GP-13 Dilution	GP-14
Interval (feet)	Soil Cleanup	1-3	2-4	2-4	2-4	2-4	2-4
Site Location	Objectives *	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	1200 U	12 U	2400 U	54 U	1100 U	110 U
Vinyl Chloride	200	1200 U	2 J	2400 U	54 U	1100 U	110 U
Bromomethane	NA	1200 U	12 U	2400 U	54 U	1100 U	110 U
Chloroethane	1900	1200 U	20	2400 U	54 U	1100 U	110 U
Ethyl Ether	NA	580 U	6 U	1200 U	27 U	540 U	54 U
tert-Butyl-Methyl-Ether	NA	580 U	6 U	1200 U	27 U	540 U	54 U
Hexane	NA	130 J	6 U	1200 U	27 U	130 J	54 U
Trichlorofluoromethane	NA	580 U	2 J	1200 U	27 U	540 U	54 U
1,1-Dichloroethene	400	520 J	970 E	1200 U	27 U	540 U	54 U
Carbon Disulfide	2700	1200 U	6 J	2400 U	54 U	1100 U	110 U
Acetone	200	490 J	270 EB	900 J	3300 EB	960 J	210
Methylene Chloride	100	580 U	14 B	1200 U	27 U	540 U	14 J
trans-1,2-Dichloroethene	300	580 U	6 U	1200 U	27 U	540 U	54 U
cis-1,2-Dichloroethene	NA	580 U	8	1200 U	93	540 U	14 J
1,1-Dichloroethane	200	290 J	2000 E	1500	30	540 U	18 J
Vinyl Acetate	NA	1200 U	12 U	2400 U	54 U	1100 U	110 U
Chloroform	300	580 U	6	1200 U	27 U	540 U	54 U
1,2-Dichloroethane	100	370 J	49	1200 U	27 U	540 U	54 U
2-Butanone	300	1200 U	140	2400 U	48 J	1100 U	44 J
1,1,1-Trichloroethane	800	9100	6700 E	18000	130	540 U	170
Carbon Tetrachloride	600	580 U	6 U	1200 U	27 U	540 U	54 U
Benzene	60	580 U	6 U	1200 U	27 U	540 U	54 U
Trichloroethene	700	590	210	1200 U	690	170 J	42 J
1,2-Dichloropropane	NA	580 U	6 U	1200 U	27 U	540 U	54 U
Bromodichloromethane	NA	580 U	6 U	1200 U	27 U	540 U	54 U
cis-1,3-Dichloropropene	NA	580 U	6 U	1200 U	27 U	540 U	54 U
2-Chloroethylvinylether	NA	580 U	6 U	1200 U	27 U	540 U	54 U
trans-1,3-Dichloropropene	NA	580 U	6 U	1200 U	27 U	540 U	54 U
1,1,2-Trichloroethane	NA	580 U	100	1200 U	27 U	540 U	54 U
Dibromochloromethane	NA	580 U	6 U	1200 U	27 U	540 U	54 U
Bromoform	NA	580 U	6 U	1200 U	27 U	540 U	54 U
4-Methyl-2-Pentanone	1000	1200 U	12 U	2400 U	54 U	1100 U	110 U
Toluene	1500	250 J	790 E	780 J	17 J	540 U	54 U
Tetrachloroethene	1400	360 J	75	430 J	5000 E	930	1300
2-Hexanone	NA	1200 U	12 U	2400 U	54 U	1100 U	110 U
Chlorobenzene	1700	580 U	6 U	1200 U	27 U	540 U	54 U
Ethylbenzene	5500	580 U	6 U	1200 U	34	540 U	54 U
M&P Xylene	1200	580 U	3 J	1200 U	340	540 U	26 J
O Xylene	(total xylene)	580 U	2 J	1200 U	130	540 U	24 J
Styrene	NA	580 U	6 U	1200 U	27 U	540 U	54 U
1,1,2,2-Tetrachloroethane	600	580 U	6 U	1200 U	27 U	540 U	54 U
1,3-Dichlorobenzene	1600	580 U	6 U	1200 U	27 U	540 U	54 U
1,4-Dichlorobenzene	8500	580 U	6 U	1200 U	27 U	540 U	54 U
1,2-Dichlorobenzene	7900	580 U	6 U	1200 U	27 U	540 U	54 U

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Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-15	GP-16	GP-17	GP-17 Dilution	GP-18	GP-19
interval (feet)	Soil Cleanup	2-4	2-4	6-8	6-8	10-12	8-10
Site Location	Objectives *	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	45a Sea Cliff	45a Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	63 U	23 U	11 U	55 U	11 U	12 U
Vinyl Chloride	200	63 U	23 U	11 U	55 U	11 U	12 U
Bromomethane	NA	63 U	23 U	11 U	55 U	11 U	12 U
Chloroethane	1900	63 U	23 U	3 J	55 U	11 U	12 U
Ethyl Ether	NA	32 U	11 U	6 U	28 U	6 U	6 U
tert-Butyl-Methyl-Ether	NA	32 U	11 U	6 U	28 U	6 U	6 U
Hexane	NA	32 U	11 U	6 U	28 U	6 U	6 U
Trichlorofluoromethane	NA	32 U	11 U	6 U	28 U	6 U	6 U
1,1-Dichloroethene	400	32 U	11 U	3 J	28 U	1 J	6 U
Carbon Disulfide	2700	63 U	10 J	3 J	55 U	11 U	12 U
Acetone	200	82	64	70 B	150 B	6 JB	4 J
Methylene Chloride	100	10 J	4 J	20 B	28 U	6 U	6 U
trans-1,2-Dichloroethene	300	32 U	11 U	2 J	28 U	6 U	6 U
cis-1,2-Dichloroethene	NA	80	2 J	38	6 J	6 U	6 U
1,1-Dichloroethane	200	16 J	13	240 E	18 J	11	13
Vinyl Acetate	NA	63 U	23 U	11 U	55 U	11 U	12 U
Chloroform	300	32 U	11 U	6 U	28 U	6 U	6 U
1,2-Dichloroethane	100	32 U	11 U	1 J	28 U	6 U	6 U
2-Butanone	300	63 U	23 U	15	8 J	11 U	12 U
1,1,1-Trichloroethane	800	77	36	190	37	30	30
Carbon Tetrachloride	600	32 U	11 U	6 U	28 U	6 U	6 U
Benzene	60	32 U	5 J	6 U	28 U	6 U	6 U
Trichloroethene	700	170	8 J	150	55	6 U	6 U
1,2-Dichloropropane	NA	32 U	11 U	6 U	28 U	6 U	6 U
Bromodichloromethane	NA	32 U	11 U	6 U	28 U	6 U	6 U
cis-1,3-Dichloropropene	NA	32 U	11 U	6 U	28 U	6 U	6 U
2-Chloroethylvinylether	NA	32 U	11 U	6 U	28 U	6 U	6 U
trans-1,3-Dichloropropene	NA	32 U	11 U	6 U	28 U	6 U	6 U
1,1,2-Trichloroethane	NA	32 U	11 U	6 U	28 U	6 U	6 U
Dibromochloromethane	NA	32 U	11 U	6 U	28 U	6 U	6 U
Bromoform	NA	32 U	11 U	6 U	28 U	6 U	6 U
4-Methyl-2-Pentanone	1000	63 U	23 U	1 J	55 U	11 U	12 U
Toluene	1500	32 U	11	14	7 J	6 U	6 U
Tetrachloroethene	1400	1100	9 J	240 E	190	2 J	3 J
2-Hexanone	NA	63 U	23 U	11 U	55 U	11 U	12 U
Chlorobenzene	1700	32 U	11 U	6 U	28 U	6 U	6 U
Ethylbenzene	5500	32 U	11 U	2 J	28 U	6 U	6 U
M&P Xylene	1200	32 U	5 J	8	7 J	6 U	6 U
O Xylene	(total xylene)	32 U	11 U	5 J	28 U	6 U	6 U
Styrene	NA	32 U	11 U	6 U	28 U	6 U	6 U
1,1,2,2-Tetrachloroethane	600	32 U	11 U	6 U	28 U	6 U	6 U
1,3-Dichlorobenzene	1600	32 U	11 U	6 U	28 U	6 U	6 U
1,4-Dichlorobenzene	8500	32 U	11 U	6 U	28 U	6 U	6 U
1,2-Dichlorobenzene	7900	32 U	21	6 U	28 U	6 U	6 U

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Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-20	GP-21	GP-22	GP-23	GP-24	GP-25
Interval (feet)	Soil Cleanup	8-10	8-10	8-10	8-10	8-10	8-10
Site Location	Objectives *	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	10 U	11 U	10 U	10 U	10 U	10 U
Vinyl Chloride	200	10 U	11 U	10 U	10 U	10 U	10 U
Bromomethane	NA	10 U	11 U	10 U	10 U	10 U	10 U
Chloroethane	1900	10 U	11 U	10 U	10 U	10 U	10 U
Ethyl Ether	NA	5 U	6 U	5 U	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	NA	5 U	6 U	5 U	5 U	5 U	5 U
Hexane	NA	5 U	6 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	NA	5 U	6 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	400	5 U	6 U	5 U	5 U	5 U	5 U
Carbon Disulfide	2700	10 U	11 U	10 U	10 U	10 U	10 U
Acetone	200	34	15	9 JB	5 JB	3 JB	10 JB
Methylene Chloride	100	2 J	2 J	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	300	5 U	6 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	NA	5 U	6 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	200	1 J	3 J	5 U	5 U	5 U	5 U
Vinyl Acetate	NA	10 U	11 U	10 U	10 U	10 U	10 U
Chloroform	300	5 U	6 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	100	5 U	6 U	5 U	5 U	5 U	5 U
2-Butanone	300	10 U	11 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	800	3 J	8	5 U	5 U	5 U	5 U
Carbon Tetrachloride	600	5 U	6 U	5 U	5 U	5 U	5 U
Benzene	60	5 U	6 U	5 U	5 U	5 U	5 U
Trichloroethene	700	5 U	6 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	NA	5 U	6 U	5 U	5 U	5 U	5 U
Bromodichloromethane	NA	5 U	6 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	NA	5 U	6 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NA	5 U	6 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	NA	5 U	6 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	NA	5 U	6 U	5 U	5 U	5 U	5 U
Dibromochloromethane	NA	5 U	6 U	5 U	5 U	5 U	5 U
Bromoform	NA	5 U	6 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	1000	10 U	11 U	10 U	10 U	10 U	10 U
Toluene	1500	5 U	6 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1400	5 U	1 J	5 U	5 U	5 U	5 U
2-Hexanone	NA	10 U	11 U	10 U	10 U	10 U	10 U
Chlorobenzene	1700	5 U	6 U	5 U	5 U	5 U	5 U
Ethylbenzene	5500	5 U	6 U	5 U	5 U	5 U	5 U
M&P Xylene	1200	5 U	6 U	5 U	5 U	5 U	5 U
O Xylene	(total xylene)	5 U	6 U	5 U	5 U	5 U	5 U
Styrene	NA	5 U	6 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	600	5 U	6 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	1600	5 U	6 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	8500	5 U	6 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	7900	5 U	6 U	5 U	5 U	5 U	5 U

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Table 2
Analytical Summary for Volatile Organic Compounds in Soil
Photocircuits Corporation
Glen Cove, New York
August, 1996

Sample ID	NYSDEC/USEPA	GP-26	GP-27	GP-28	GP-29	GP-30	GP-30 Dilution
Interval (feet)	Soil Cleanup	11-12	20-22	20-22	22-24	20-22	20-22
Site Location	Objectives *	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe	Geoprobe
Volatile Organic Compounds (ppb)							
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	10 U	11 U	11 U	12 U	11 U	5500 U
Vinyl Chloride	200	10 U	11 U	11 U	12 U	11 U	5500 U
Bromomethane	NA	10 U	11 U	11 U	12 U	11 U	5500 U
Chloroethane	1900	10 U	11 U	11 U	12 U	11 U	5500 U
Ethyl Ether	NA	5 U	5 U	6 U	6 U	6 U	2800 U
tert-Butyl-Methyl-Ether	NA	5 U	5 U	6 U	6 U	6 U	2800 U
Hexane	NA	5 U	5 U	6 U	6 U	6 U	2800 U
Trichlorofluoromethane	NA	5 U	5 U	6 U	6 U	6 U	2800 U
1,1-Dichloroethene	400	5 U	5 U	6 U	6 U	6 U	2800 U
Carbon Disulfide	2700	10 U	11 U	11 U	12 U	11 U	5500 U
Acetone	200	8 JB	11 JB	5 JB	5 JB	11 JB	5500 U
Methylene Chloride	100	5 U	5 U	6 U	6 U	8	2800 U
trans-1,2-Dichloroethene	300	5 U	5 U	6 U	6 U	6 U	2800 U
cis-1,2-Dichloroethene	NA	5 U	5 U	6 U	2 J	6 U	2800 U
1,1-Dichloroethane	200	5 U	5 U	6 U	6 U	6 U	2800 U
Vinyl Acetate	NA	10 U	11 U	11 U	12 U	11 U	5500 U
Chloroform	300	5 U	5 U	6 U	6 U	6 U	2800 U
1,2-Dichloroethane	100	5 U	5 U	6 U	6 U	6 U	2800 U
2-Butanone	300	10 U	11 U	11 U	12 U	11 U	5500 U
1,1,1-Trichloroethane	800	5 U	5 U	6 U	6 U	140	2800 U
Carbon Tetrachloride	600	5 U	5 U	6 U	6 U	6 U	2800 U
Benzene	60	5 U	5 U	6 U	6 U	6 U	2800 U
Trichloroethene	700	5 U	5 U	6 U	3 J	130	2800 U
1,2-Dichloropropane	NA	5 U	5 U	6 U	6 U	6 U	2800 U
Bromodichloromethane	NA	5 U	5 U	6 U	6 U	6 U	2800 U
cis-1,3-Dichloropropene	NA	5 U	5 U	6 U	6 U	6 U	2800 U
2-Chloroethylvinylether	NA	5 U	5 U	6 U	6 U	6 U	2800 U
trans-1,3-Dichloropropene	NA	5 U	5 U	6 U	6 U	6 U	2800 U
1,1,2-Trichloroethane	NA	5 U	5 U	6 U	6 U	1 J	2800 U
Dibromochloromethane	NA	5 U	5 U	6 U	6 U	6 U	2800 U
Bromoform	NA	5 U	5 U	6 U	6 U	6 U	2800 U
4-Methyl-2-Pentanone	1000	10 U	11 U	11 U	12 U	11 U	5500 U
Toluene	1500	5 U	5 U	6 U	1 J	6	2800 U
Tetrachloroethene	1400	30	5 U	6 U	64	14000 EJ	23000
2-Hexanone	NA	10 U	11 U	11 U	12 U	11 U	5500 U
Chlorobenzene	1700	5 U	5 U	6 U	6 U	3 J	2800 U
Ethylbenzene	5500	5 U	5 U	6 U	6 U	6 U	2800 U
M&P Xylene	1200	5 U	5 U	6 U	6 U	2 J	2800 U
O Xylene	(total xylene)	5 U	5 U	6 U	6 U	6 U	2800 U
Styrene	NA	5 U	5 U	6 U	6 U	6 U	2800 U
1,1,2,2-Tetrachloroethane	600	5 U	5 U	6 U	6 U	6 U	2800 U
1,3-Dichlorobenzene	1600	5 U	5 U	6 U	6 U	6 U	2800 U
1,4-Dichlorobenzene	8500	5 U	5 U	6 U	6 U	6 U	2800 U
1,2-Dichlorobenzene	7900	5 U	5 U	6 U	6 U	6 U	2800 U

Notes:
U = Not detected above the detection limit
J = Value is an estimate
B = Analyte also detected in the method blank
E = Value exceeds calibration range
NA = Information not available
* Taken from NYSDEC Soil Cleanup Objectives to Protect Groundwater Quality and USEPA Recommended Soil Cleanup Objectives. The higher of the two values is listed.

Table 3
Summary of Soil Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August 1996

Analyte	NYSDEC/USEPA Soil Cleanup Objectives * (ppb)	GP-03 (3-4)	GP-05 (2.5-3.5)	GP-06 (2-4)	GP-07 (2-3)	GP-10 (7-8)
Vinyl Chloride	200	11 U	12 U	11 U	11 U	11 U
Chloroethane	1900	11 U	12 U	11 U	11 U	11 U
1,1-Dichloroethene	200	6 U	6 U	6 U	5 U	6 U
Acetone	200	410 BE	10 JB	17 B	49 B	8 JB
Methylene Chloride	100	6 U	6 U	6 U	5 U	6 U
cis 1,2-Dichloroethene	NA	4 J	6 U	4 J	5 U	6 U
1,1-Dichloroethane	200	6 U	6 U	6 U	5 U	6 U
Chloroform	300	6 U	6 U	6 U	5 U	6 U
1,2-Dichloroethane	100	6 U	6 U	6 U	5 U	6 U
2-Butanone	300	**28**	12 U	11 U	7 J	11 U
1,1,1-Trichloroethane	800	6 U	6 U	6 U	5 U	6 U
Trichloroethene	700	3 J	2 J	6 U	5 U	6 U
1,1,2-Trichloroethane	NA	6 U	6 U	6 U	5 U	6 U
Toluene	1500	**21**	6 U	1 J	**13**	6 U
Tetrachloroethene	1400	4 J	**11**	**32**	**6**	**10**
M&P Xylene	1200	**11**	6 U	6 U	2 J	6 U
O Xylene	(total xylene)	3 J	6 U	6 U	5 U	6 U
1,2-Dichlorobenzene	7900	6 U	6 U	6 U	5 U	6 U

Notes:

U = Not detected above the detection limit

J = Estimated value below the detection limit

B = Analyte detected in method blank

E = Result exceeds the calibration range

D = Result obtained after sample dilution

NA = Information not available

*Taken from NYSDEC Soil Cleanup Objectives to Protect Groundwater Quality and USEPA Recommended Soil Cleanup Objectives. The higher of the two values is listed.

Shaded values exceed the NYSDEC/USEPA Criteria

Table 3
Summary of Soil Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August 1996

Analyte	NYSDEC/USEPA Soil Cleanup Objectives * (ppb)	GP-11 (1-3)	GP-12 (2-4)	GP-13 (2-4)	GP-14 (2-4)	GP-15 (2-4)
Vinyl Chloride	200	12 U	2 J	54 U	110 U	63 U
Chloroethane	1900	**13**	**20**	54 U	110 U	63 U
1,1-Dichloroethene	200	**200**	**970 E**	27 U	54 U	32 U
Acetone	200	71 B	270 EB	3300 EB	**210**	**82**
Methylene Chloride	100	8 B	14 B	27 U	14 J	10 J
cis 1,2-Dichloroethene	NA	3 J	8	**93**	14 J	**80**
1,1-Dichloroethane	200	**240 E**	**1500 D**	**30**	18 J	16 J
Chloroform	300	5 J	**6**	27 U	54 U	32 U
1,2-Dichloroethane	100	**94**	**49**	27 U	54 U	32 U
2-Butanone	300	**22**	**140**	48 J	46 J	63 U
1,1,1-Trichloroethane	800	**9100 D**	**18000 D**	**130**	**170**	**77**
Trichloroethene	700	**110**	**210**	**690**	42 J	**170**
1,1,2-Trichloroethane	NA	**29**	**100**	27 U	54 U	32 U
Toluene	1500	**69**	**790 E**	17 J	54 U	32 U
Tetrachloroethene	1400	**16**	**75**	**930 D**	**1300**	**1100**
M&P Xylene	1200	6 U	3 J	**340**	26 J	32 U
O Xylene	(total xylene)	6 U	2 J	**130**	24 J	32 U
1,2-Dichlorobenzene	7900	6 U	6 U	27 U	54 U	32 U

Notes:

U = Not detected above the detection limit

J = Estimated value below the detection limit

B = Analyte detected in method blank

E = Result exceeds the calibration range

D = Result obtained after sample dilution

NA = Information not available

*Taken from NYSDEC Soil Cleanup Objectives to Protect Groundwater Quality and USEPA Recommended Soil Cleanup Objectives. The higher of the two values is listed.

Shaded values exceed the NYSDEC/USEPA Criteria

Table 3

Summary of Soil Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August 1996

Analyte	NYSDEC/USEPA Soil Cleanup Objectives * (ppb)	GP-16 (2-4)	GP-17 (6-8)	GP-18 (10-12)	GP-19 (8-10)	GP-20 (8-10)
Vinyl Chloride	200	23 U	11 U	11 U	12 U	10 U
Chloroethane	1900	23 U	3 J	11 U	12 U	10 U
1,1-Dichloroethene	200	11 U	3 J	1 J	6 U	5 U
Acetone	200	**64**	70 B	6 JB	4 J	**34**
Methylene Chloride	100	4 J	20 B	6 U	6 U	2 J
cis 1,2-Dichloroethene	NA	2 J	**38**	6 U	6 U	5 U
1,1-Dichloroethane	200	**13**	**190** D	**11**	**13**	1 J
Chloroform	300	11 U	6 U	6 U	6 U	5 U
1,2-Dichloroethane	100	11 U	1 J	6 U	6 U	5 U
2-Butanone	300	23 U	**15**	11 U	12 U	10 U
1,1,1-Trichloroethane	800	**36**	**190**	**30**	**30**	3 J
Trichloroethene	700	8 J	**150**	6 U	6 U	5 U
1,1,2-Trichloroethane	NA	11 U	6 U	6 U	6 U	5 U
Toluene	1500	**11**	**14**	6 U	6 U	5 U
Tetrachloroethene	1400	9 J	**240** E	2 J	3 J	5 U
M&P Xylene	1200	5 J	**8**	6 U	6 U	5 U
O Xylene	(total xylene)	11 U	5 J	6 U	6 U	5 U
1,2-Dichlorobenzene	7900	**21**	6 U	6 U	6 U	5 U

Notes:

U = Not detected above the detection limit

J = Estimated value below the detection limit

B = Analyte detected in method blank

E = Result exceeds the calibration range

D = Result obtained after sample dilution

NA = Information not available

* Taken from NYSDEC Soil Cleanup Objectives to Protect Groundwater Quality and USEPA Recommended Soil Cleanup Objectives. The higher of the two values is listed.

Shaded values exceed the NYSDEC/USEPA Criteria

Table 3
Summary of Soil Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August 1996

Analyte	NYSDEC/USEPA Soil Cleanup Objectives * (ppb)	GP-21 (8-10)	GP-26 (11-12)	GP-29 (22-24)	GP-30 (20-22)
Vinyl Chloride	200	11 U	10 U	12 U	11 U
Chloroethane	1900	11 U	10 U	12 U	11 U
1,1-Dichloroethene	200	6 U	5 U	6 U	6 U
Acetone	200	**15**	8 JB	5 JB	11 JB
Methylene Chloride	100	2 J	5 U	6 U	**8**
cis 1,2-Dichloroethene	NA	6 U	5 U	2 J	6 U
1,1-Dichloroethane	200	3 J	5 U	6 U	6 U
Chloroform	300	6 U	5 U	6 U	6 U
1,2-Dichloroethane	100	6 U	5 U	6 U	6 U
2-Butanone	300	11 U	10 U	12 U	11 U
1,1,1-Trichloroethane	800	**8**	5 U	6 U	**140**
Trichloroethene	700	6 U	5 U	3 J	**130**
1,1,2-Trichloroethane	NA	6 U	5 U	6 U	1 J
Toluene	1500	6 U	5 U	1 J	**6**
Tetrachloroethene	1400	1 J	**30**	**64**	**23000 D**
M&P Xylene	1200	6 U	5 U	6 U	2 J
O Xylene	(total xylene)	6 U	5 U	6 U	6 U
1,2-Dichlorobenzene	7900	6 U	5 U	6 U	6 U

Notes:
U = Not detected above the detection limit
J = Estimated value below the detection limit
B = Analyte detected in method blank
E = Result exceeds the calibration range
D = Result obtained after sample dilution
NA = Information not available
*Taken from NYSDEC Soil Cleanup Objectives to Protect Groundwater Quality and USEPA Recommended Soil Cleanup Objectives. The higher of the two values is listed.
Shaded values exceed the NYSDEC/USEPA Criteria

Table 4
Analytical Summary for Volatile Organic Compounds in Groundwater
Photocircuits Corporation
Glen Cove, New York
August 1996

Sample ID	NYSDEC	GW-GP-08	GW-GP-10	MW-2	MW-3	MW-4
Site Location	GW Criteria	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Geoprobe	Geoprobe	Monitor Well	Monitor Well	Monitor Well
Volatile Organic Compounds (ppb)						
Dichlorodifluoromethane	NA	5 U	5 U	NA	NA	5 U
Chloromethane	NA	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U
Bromomethane	NA	10 U	10 U	10 U	10 U	10 U
Chloroethane	50	10 U	10 U	10 U	10 U	10 U
Ethyl Ether	NA	5 U	5 U	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	NA	2 J	3 J	5 U	1 J	5 U
Hexane	NA	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	NA	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	50	10 U	10 U	10 U	10 U	10 U
Acetone	50	6 JB	3 JB	2 JB	1 JB	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	NA	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	3 J	5 U	5 U
Vinyl Acetate	NA	10 U	10 U	10 U	10 U	10 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U
2-Butanone	50	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U
Benzene	0.7	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	1 J	5 U	5 U
1,2-Dichloropropane	NA	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	NA	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NA	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	NA	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U
Bromoform	NA	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	50	2 J	10 U	10 U	10 U	10 U
Toluene	5	5 U	6	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U
2-Hexanone	NA	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	3 J	5 U	5 U	5 U
M&P Xylene	5	5 U	9	5 U	5 U	5 U
O Xylene	(total xylene)	5 U	5 J	5 U	5 U	5 U
Styrene	NA	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	4.7	5 U	5 U	5 U	5 U	5 U

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Information not available

Table 4
Analytical Summary for Volatile Organic Compounds in Groundwater
Photocircuits Corporation
Glen Cove, New York
August 1996

Sample ID	NYSDEC	MW-5	MW-6	MW-7	MW-7 (Dilution)
Site Location	GW Criteria	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Monitor Well	Monitor Well	Monitor Well	Monitor Well
Volatile Organic Compounds (ppb)					
Dichlorodifluoromethane	NA	NA	5 U	NA	NA
Chloromethane	NA	10 U	10 U	10 U	1000 U
Vinyl Chloride	2	10 U	10 U	43	1000 U
Bromomethane	NA	10 U	10 U	10 U	1000 U
Chloroethane	50	10 U	10 U	610 E	1300
Ethyl Ether	NA	5 U	5 U	5 U	500 U
tert-Butyl-Methyl-Ether	NA	5 U	5 U	5 U	500 U
Hexane	NA	5 U	5 U	5 U	500 U
Trichlorofluoromethane	NA	5 U	5 U	5 U	500 U
1,1-Dichloroethene	5	5 U	5 U	42	500 U
Carbon Disulfide	50	10 U	10 U	3 J	1000 U
Acetone	50	1 JB	2 JB	350 BE	460 J
Methylene Chloride	5	5 U	5 U	340 E	470 J
trans-1,2-Dichloroethene	5	5 U	5 U	2 J	500 U
cis-1,2-Dichloroethene	NA	5 U	2 J	28	500 U
1,1-Dichloroethane	5	5 U	5 U	1200 E	7500
Vinyl Acetate	NA	10 U	10 U	10 U	1000 U
Chloroform	7	5 U	5 U	5 U	500 U
1,2-Dichloroethane	5	5 U	5 U	12	500 U
2-Butanone	50	10 U	10 U	410 E	1000 U
1,1,1-Trichloroethane	5	5 U	5 U	26	500 U
Carbon Tetrachloride	5	5 U	5 U	5 U	500 U
Benzene	0.7	5 U	5 U	4 J	500 U
Trichloroethene	5	5 U	5 U	23	500 U
1,2-Dichloropropane	NA	5 U	5 U	5 U	500 U
Bromodichloromethane	NA	5 U	5 U	5 U	500 U
cis-1,3-Dichloropropene	NA	5 U	5 U	5 U	500 U
2-Chloroethylvinylether	NA	5 U	5 U	5 U	500 U
trans-1,3-Dichloropropene	NA	5 U	5 U	5 U	500 U
1,1,2-Trichloroethane	NA	5 U	5 U	5 U	500 U
Dibromochloromethane	50	5 U	5 U	5 U	500 U
Bromoform	NA	5 U	5 U	5 U	500 U
4-Methyl-2-Pentanone	50	10 U	10 U	2 J	1000 U
Toluene	5	5 U	5 U	56	500 U
Tetrachloroethene	5	1 J	5 U	14	500 U
2-Hexanone	NA	10 U	10 U	4 J	1000 U
Chlorobenzene	5	5 U	5 U	5 U	500 U
Ethylbenzene	5	5 U	5 U	1 J	500 U
M&P Xylene	5	5 U	5 U	4 J	500 U
O Xylene	(total xylene)	5 U	5 U	2 J	500 U
Styrene	NA	5 U	5 U	5 U	500 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	500 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	500 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	500 U
1,2-Dichlorobenzene	4.7	5 U	5 U	5 U	500 U

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Information not available

Table 4
Analytical Summary for Volatile Organic Compounds in Groundwater
Photocircuits Corporation
Glen Cove, New York
August 1996

Sample ID	NYSDEC	MW-8	MW-9	MW-10	MW-11
Site Location	GW Criteria	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff	31 Sea Cliff
Sampling Method	(ppb)	Monitor Well	Monitor Well	Monitor Well	Monitor Well
Volatile Organic Compounds (ppb)					
Dichlorodifluoromethane	NA	NA	NA	NA	5 U
Chloromethane	NA	10 U	10 U	10 U	10 U
Vinyl Chloride	2	10 U	10 U	9 J	10 U
Bromomethane	NA	10 U	10 U	10 U	10 U
Chloroethane	50	10 U	10 U	2 J	10 U
Ethyl Ether	NA	5 U	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	NA	1 J	5 U	5 U	5 U
Hexane	NA	5 U	5 U	5 U	5 U
Trichlorofluoromethane	NA	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	28	5 U
Carbon Disulfide	50	10 U	10 U	10 U	10 U
Acetone	50	10 U	2 JB	10 U	2 JB
Methylene Chloride	5	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	NA	5 U	5	46	5 J
1,1-Dichloroethane	5	5 U	2 J	100	5 U
Vinyl Acetate	NA	10 U	10 U	10 U	10 U
Chloroform	7	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	2 J	5 U
2-Butanone	50	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	5 U	6	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Benzene	0.7	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	16	4 J
1,2-Dichloropropane	NA	5 U	5 U	5 U	5 U
Bromodichloromethane	NA	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NA	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	NA	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U
Bromoform	NA	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	50	10 U	10 U	10 U	10 U
Toluene	5	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	6	5 U
2-Hexanone	NA	10 U	10 U	10 U	10 U
Chlorobenzene	5	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U
M&P Xylene	5	5 U	5 U	5 U	5 U
O Xylene	(total xylene)	5 U	5 U	5 U	5 U
Styrene	NA	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	4.7	5 U	5 U	5 U	5 U

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Information not available

Table 4
Analytical Summary for Volatile Organic Compounds in Groundwater
Photocircuits Corporation
Glen Cove, New York
August 1996

Sample ID	NYSDEC	NC-WELL	MW-1S	MW-2S	MW-3S
Site Location	GW Criteria	31 Sea Cliff	45a Sea Cliff	45a Sea Cliff	45a Sea Cliff
Sampling Method	(ppb)	Monitor Well	Monitor Well	Monitor Well	Monitor Well
Volatile Organic Compounds (ppb)					
Dichlorodifluoromethane	NA	NA	NA	NA	NA
Chloromethane	NA	10 U	10 U	10 U	10 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U
Bromomethane	NA	10 U	10 U	10 U	10 U
Chloroethane	50	2 J	10 U	10 U	10 U
Ethyl Ether	NA	5 U	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	NA	5 U	5 U	5 U	5 U
Hexane	NA	5 U	5 U	5 U	5 U
Trichlorofluoromethane	NA	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	10 U
Carbon Disulfide	50	10 U	10 U	10 U	10 U
Acetone	50	1 JB	10 U	10 U	10 U
Methylene Chloride	5	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	NA	10	5 U	5 U	1 J
1,1-Dichloroethane	5	8	5 U	5 U	5 U
Vinyl Acetate	NA	10 U	10 U	10 U	10 U
Chloroform	7	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U
2-Butanone	50	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	16	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Benzene	0.7	5 U	5 U	5 U	5 U
Trichloroethene	5	4 J	1.9 J	5 U	43
1,2-Dichloropropane	NA	5 U	5 U	5 U	5 U
Bromodichloromethane	NA	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NA	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	NA	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	NA	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U
Bromoform	NA	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	50	10 U	10 U	10 U	10 U
Toluene	5	5 U	5 U	5 U	5 U
Tetrachloroethene	5	1 J	47	1 J	8
2-Hexanone	NA	10 U	10 U	10 U	10 U
Chlorobenzene	5	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U
M&P Xylene	5	5 U	5 U	5 U	5 U
O Xylene	(total xylene)	5 U	5 U	5 U	5 U
Styrene	NA	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	4.7	5 U	5 U	5 U	5 U

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Information not available

Table 5
Summary of Groundwater Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August, 1996

Analyte	NYSDEC Groundwater Standards (ppb)	GW-GP-10	MW-1s	MW-3s	MW-7
Vinyl Chloride	2	10 U	10 U	10 U	43
Chloroethane	50	10 U	10 U	10 U	1300 D
1,1-Dichloroethene	5	5 U	5 U	5 U	42
Acetone	50	3 JB	10 U	10 U	350 BE
Methylene Chloride	5	5 U	5 U	5 U	470 JD
cis 1,2-Dichloroethene	NA	5 U	5 U	1 J	28
1,1-Dichloroethane	5	5 U	5 U	5 U	7500 D
1,2-Dichloroethane	5	5 U	5 U	5 U	12
2-Butanone	50	10 U	10 U	10 U	410 E
1,1,1-Trichloroethane	5	5 U	5 U	5 U	26
Trichloroethene	5	5 U	1.9 J	43	23
1,1,2-Trichloroethane	NA	5 U	5 U	5 U	5 U
Toluene	5	6	5 U	5 U	56
Tetrachloroethene	5	5 U	47	8	14
M&P Xylene	5	9	5 U	5 U	4 J
O Xylene	(total xylene)	5 J	5 U	5 U	4 J

Notes:

U = Not detected above the detection limit

J = Estimated value below the detection limit

B = Analyte detected in method blank

E = Result exceeds the calibration range

D = Result obtained after sample dilution

NA = Inforamtion not available

Shaded values exceed the NYSDEC Criteria

Table 5
Summary of Groundwater Analytical Data at/or Above the Detection Limits
Photocircuits Corporation
Glen Cove, New York
August, 1996

Analyte	NYSDEC Groundwater Standards (ppb)	MW-9	MW-10	NC-WELL
Vinyl Chloride	2	10 U	9 J	10 U
Chloroethane	50	10 U	2 J	2 J
1,1-Dichloroethene	5	5 U	28	5 U
Acetone	50	2 JB	10 U	1 JB
Methylene Chloride	5	5 U	5 U	5 U
cis 1,2-Dichloroethene	NA	5	46	10
1,1-Dichloroethane	5	2 J	100	8
1,2-Dichloroethane	5	5 U	2 J	5 U
2-Butanone	50	10 U	10 U	10 U
1,1,1-Trichloroethane	5	5 U	6	16
Trichloroethene	5	5 U	16	4 J
1,1,2-Trichloroethane	NA	5 U	5 U	5 U
Toluene	5	5 U	5 U	5 U
Tetrachloroethene	5	5 U	6	1 J
M&P Xylene	5	5 U	5 U	5 U
O Xylene	(total xylene)	5 U	5 U	5 U

Notes:

U = Not detected above the detection limit

J = Estimated value below the detection limit

B = Analyte detected in method blank

E = Result exceeds the calibration range

D = Result obtained after sample dilution

NA = Inforamtion not available

Shaded values exceed the NYSDEC Criteria

Table 6
Summary of Historical Data for Volatile Organic Compounds in Groundwater, 31 Sea Cliff Ave. Site
Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-11	
Sample Date	December 1991	August 1996
Volatile Organic Compounds (ppb)		
1,1,1-Trichloroethane	16	5 U
1,1,2,2-Tetrachloroethane	U	5 U
1,1,2-Trichloroethane	U	5 U
1,1-Dichloroethane	16	5 U
1,1-Dichloroethene	9	5 U
1,2-Dichlorobenzene	NA	5 U
1,2-Dichloroethane	U	5 U
1,2-Dichloroethene (total)	86	NA
1,2-Dichloropropane	U	5 U
1,3-Dichlorobenzene	NA	5 U
1,4-Dichlorobenzene	NA	5 U
2-Butanone	62	10 U
2-Chloroethylvinylether	NA	5 U
2-Hexanone	U	10 U
4-Methyl-2-Pentanone	14	10 U
Acetone	74	2 JB
Benzene	U	5 U
Bromodichloromethane	U	5 U
Bromoform	U	5 U
Bromomethane	U	10 U
Carbon Disulfide	U	10 U
Carbon Tetrachloride	U	5 U
Chlorobenzene	U	5 U
Chloroethane	U	10 U
Chloroform	U	5 U
Chloromethane	U	10 U
cis-1,2-Dichloroethene	NA	5 U
cis-1,3-Dichloropropene	U	5 U
Dibromochloromethane	U	5 U
Dichlorodifluoromethane	NA	5 U
Ethyl Ether	NA	5 U
Ethylbenzene	U	5 U
Hexane	NA	5 U
M&P Xylene	NA	5 U
Methylene Chloride	U	5 U
O Xylene	NA	5 U
Styrene	U	5 U
tert-Butyl-Methyl-Ether	NA	5 U
Tetrachloroethene	8	5 U
Toluene	U	5 U
trans-1,2-Dichloroethene	NA	5 U
trans-1,3-Dichloropropene	U	5 U
Trichloroethene	79	4 J
Trichlorofluoromethane	NA	5 U
Vinyl Acetate	U	10 U
Vinyl Chloride	U	10 U
Xylene (total)	U	NA

Notes:
U = Not detected above the detection limit
J = Value is an estimate
B = Analyte also detected in the method blank
E = Value exceeds calibration range
D = Value after dilution
NA = Not analyzed for this parameter

Table 6
Summary of Historical Data for Volatile Organic Compounds in Groundwater, 31 Sea Cliff Ave. Site
Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-2		MW-3		MW-4	
Sample Date	December 1991	August 1996	December 1991	August 1996	December 1991	August 1996
Volatile Organic Compounds (ppb)						
1,1,1-Trichloroethane	340	5 U	U	5 U	U	5 U
1,1,2,2-Tetrachloroethane	U	5 U	U	5 U	U	5 U
1,1,2-Trichloroethane	U	5 U	U	5 U	U	5 U
1,1-Dichloroethane	260	3 J	U	5 U	U	5 U
1,1-Dichloroethene	140	5 U	U	5 U	U	5 U
1,2-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,2-Dichloroethane	U	5 U	U	5 U	U	5 U
1,2-Dichloroethene (total)	60	NA	21	NA	4 J	NA
1,2-Dichloropropane	U	5 U	U	5 U	U	5 U
1,3-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,4-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
2-Butanone	U	10 U	U	10 U	U	10 U
2-Chloroethylvinylether	NA	5 U	NA	5 U	NA	5 U
2-Hexanone	U	10 U	U	10 U	U	10 U
4-Methyl-2-Pentanone	U	10 U	U	10 U	U	10 U
Acetone	U	2 JB	U	1 JB	U	10 U
Benzene	U	5 U	U	5 U	U	5 U
Bromodichloromethane	U	5 U	U	5 U	U	5 U
Bromoform	U	5 U	U	5 U	U	5 U
Bromomethane	U	10 U	U	10 U	U	10 U
Carbon Disulfide	U	10 U	U	10 U	U	10 U
Carbon Tetrachloride	U	5 U	U	5 U	U	5 U
Chlorobenzene	U	5 U	U	5 U	U	5 U
Chloroethane	U	10 U	U	10 U	U	10 U
Chloroform	U	5 U	U	5 U	U	5 U
Chloromethane	U	10 U	U	10 U	U	10 U
cis-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	5 U
cis-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Dibromochloromethane	U	5 U	U	5 U	U	5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	5 U
Ethyl Ether	NA	5 U	NA	5 U	NA	5 U
Ethylbenzene	U	5 U	U	5 U	U	5 U
Hexane	NA	5 U	NA	5 U	NA	5 U
M&P Xylene	NA	5 U	NA	5 U	NA	5 U
Methylene Chloride	U	5 U	U	5 U	U	5 U
O Xylene	NA	5 U	NA	5 U	NA	5 U
Styrene	U	5 U	U	5 U	U	5 U
tert-Butyl-Methyl-Ether	NA	5 U	NA	1 J	NA	5 U
Tetrachloroethene	U	5 U	U	5 U	U	5 U
Toluene	U	5 U	U	5 U	U	5 U
trans-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	5 U
trans-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Trichloroethene	43	1 J	29	5 U	3 J	5 U
Trichlorofluoromethane	NA	5 U	NA	5 U	NA	5 U
Vinyl Acetate	U	10 U	U	10 U	U	10 U
Vinyl Chloride	U	10 U	U	10 U	U	10 U
Xylene (total)	U	NA	U	NA	U	NA

Notes:
U = Not detected above the detection limit
J = Value is an estimate
B = Analyte also detected in the method blank
E = Value exceeds calibration range
D = Value after dilution
NA = Not analyzed for this parameter

Table 6
Summary of Historical Data for Volatile Organic Compounds in Groundwater, 31 Sea Cliff Ave. Site
Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-5		MW-6		MW-7	
Sample Date	December 1991	August 1996	December 1991	August 1996	December 1991	August 1996
Volatile Organic Compounds (ppb)						
1,1,1-Trichloroethane	32	5 U	18	5 U	2100	26
1,1,2,2-Tetrachloroethane	U	5 U	U	5 U	U	5 U
1,1,2-Trichloroethane	U	5 U	U	5 U	U	5 U
1,1-Dichloroethane	4	5 U	31	5 U	3400	7500 D
1,1-Dichloroethene	20	5 U	5	5 U	190	42
1,2-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,2-Dichloroethane	U	5 U	U	5 U	47	12
1,2-Dichloroethene (total)	65	NA	9	NA	36	NA
1,2-Dichloropropane	U	5 U	U	5 U	U	5 U
1,3-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,4-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
2-Butanone	U	10 U	U	10 U	170	410 E
2-Chloroethylvinylether	NA	5 U	NA	5 U	NA	5 U
2-Hexanone	U	10 U	U	10 U	U	4 J
4-Methyl-2-Pentanone	U	10 U	U	10 U	U	2 J
Acetone	U	1 JB	U	2 JB	26	350 BE
Benzene	U	5 U	U	5 U	5 J	4 J
Bromodichloromethane	U	5 U	U	5 U	U	5 U
Bromoform	U	5 U	U	5 U	U	5 U
Bromomethane	U	10 U	U	10 U	U	10 U
Carbon Disulfide	U	10 U	U	10 U	U	3 J
Carbon Tetrachloride	U	5 U	U	5 U	U	5 U
Chlorobenzene	U	5 U	U	5 U	U	5 U
Chloroethane	U	10 U	10	10 U	1000	1300 D
Chloroform	U	5 U	U	5 U	3 J	5 U
Chloromethane	U	10 U	U	10 U	U	10 U
cis-1,2-Dichloroethene	NA	5 U	NA	2 J	NA	28
cis-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Dibromochloromethane	U	5 U	U	5 U	U	5 U
Dichlorodifluoromethane	NA	NA	NA	5 U	NA	NA
Ethyl Ether	NA	5 U	NA	5 U	NA	5 U
Ethylbenzene	U	5 U	U	5 U	U	1 J
Hexane	NA	5 U	NA	5 U	NA	5 U
M&P Xylene	NA	5 U	NA	5 U	NA	4 J
Methylene Chloride	U	5 U	U	5 U	100	340 E
O Xylene	NA	5 U	NA	5 U	NA	2 J
Styrene	U	5 U	U	5 U	U	5 U
tert-Butyl-Methyl-Ether	NA	5 U	NA	5 U	NA	5 U
Tetrachloroethene	66	1 J	U	5 U	35	14
Toluene	U	5 U	U	5 U	29	56
trans-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	2 J
trans-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Trichloroethene	59	5 U	U	5 U	11	23
Trichlorofluoromethane	NA	5 U	NA	5 U	NA	5 U
Vinyl Acetate	U	10 U	U	10 U	U	10 U
Vinyl Chloride	U	10 U	U	10 U	230	43
Xylene (total)	U	NA	U	NA	U	NA

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

D = Value after dilution

NA = Not analyzed for this parameter

Table 6
Summary of Historical Data for Volatile Organic Compounds in Groundwater, 31 Sea Cliff Ave. Site
Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-8		MW-9		MW-10	
Sample Date	December 1991	August 1996	December 1991	August 1996	December 1991	August 1996
Volatile Organic Compounds (ppb)						
1,1,1-Trichloroethane	U	5 U	12	5 U	U	6
1,1,2,2-Tetrachloroethane	U	5 U	U	5 U	U	5 U
1,1,2-Trichloroethane	U	5 U	U	5 U	U	5 U
1,1-Dichloroethane	14	5 U	19	2 J	6	100
1,1-Dichloroethene	U	5 U	6	5 U	U	28
1,2-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,2-Dichloroethane	U	5 U	U	5 U	U	2 J
1,2-Dichloroethene (total)	75	NA	79	NA	32	NA
1,2-Dichloropropane	U	5 U	U	5 U	U	5 U
1,3-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,4-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
2-Butanone	U	10 U	U	10 U	U	10 U
2-Chloroethylvinylether	NA	5 U	NA	5 U	NA	5 U
2-Hexanone	U	10 U	U	10 U	U	10 U
4-Methyl-2-Pentanone	U	10 U	U	10 U	U	10 U
Acetone	U	10 U	U	2 JB	U	10 U
Benzene	U	5 U	U	5 U	U	5 U
Bromodichloromethane	U	5 U	U	5 U	U	5 U
Bromoform	U	5 U	U	5 U	U	5 U
Bromomethane	U	10 U	U	10 U	U	10 U
Carbon Disulfide	15	10 U	U	10 U	U	10 U
Carbon Tetrachloride	U	5 U	U	5 U	U	5 U
Chlorobenzene	U	5 U	U	5 U	U	5 U
Chloroethane	U	10 U	U	10 U	U	2 J
Chloroform	U	5 U	U	5 U	U	5 U
Chloromethane	U	10 U	U	10 U	U	10 U
cis-1,2-Dichloroethene	NA	5 U	NA	5	NA	46
cis-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Dibromochloromethane	U	5 U	U	5 U	U	5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA
Ethyl Ether	NA	5 U	NA	5 U	NA	5 U
Ethylbenzene	U	5 U	U	5 U	U	5 U
Hexane	NA	5 U	NA	5 U	NA	5 U
M&P Xylene	NA	5 U	NA	5 U	NA	5 U
Methylene Chloride	U	5 U	U	5 U	U	5 U
O Xylene	NA	5 U	NA	5 U	NA	5 U
Styrene	U	5 U	U	5 U	U	5 U
tert-Butyl-Methyl-Ether	NA	1 J	NA	5 U	NA	5 U
Tetrachloroethene	U	5 U	U	5 U	U	6
Toluene	U	5 U	U	5 U	U	5 U
trans-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	5 U
trans-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Trichloroethene	4 J	5 U	59	5 U	30	16
Trichlorofluoromethane	NA	5 U	NA	5 U	NA	5 U
Vinyl Acetate	U	10 U	U	10 U	U	10 U
Vinyl Chloride	49	10 U	U	10 U	U	9 J
Xylene (total)	U	NA	U	NA	U	NA

Notes:
U = Not detected above the detection limit
J = Value is an estimate
B = Analyte also detected in the method blank
E = Value exceeds calibration range
D = Value after dilution
NA = Not analyzed for this parameter

Table 7
Summary of Historical Data for Volatile Organic Compounds in Groundwater, 45A Sea Cliff Ave. Site
Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-1s		MW-2s		MW-3s	
Sample date	December 1991	August 1996	December 1991	August 1996	December 1991	August 1996
Volatile Organic Compounds (ppb)						
1,1,1-Trichloroethane	U	5 U	U	5 U	U	5 U
1,1,2,2-Tetrachloroethane	U	5 U	U	5 U	U	5 U
1,1,2-Trichloroethane	U	5 U	U	5 U	U	5 U
1,1-Dichloroethane	U	5 U	U	5 U	U	5 U
1,1-Dichloroethene	U	5 U	U	5 U	U	5 U
1,2-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,2-Dichloroethane	U	5 U	U	5 U	U	5 U
1,2-Dichloroethene (total)	3 J	NA	U	NA	21	NA
1,2-Dichloropropane	U	5 U	U	5 U	U	5 U
1,3-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
1,4-Dichlorobenzene	NA	5 U	NA	5 U	NA	5 U
2-Butanone	U	10 U	U	10 U	U	10 U
2-Chloroethylvinylether	NA	5 U	NA	5 U	NA	5 U
2-Hexanone	U	10 U	U	10 U	U	10 U
4-Methyl-2-Pentanone	U	10 U	U	10 U	U	10 U
Acetone	U	10 U	U	10 U	U	10 U
Benzene	U	5 U	U	5 U	U	5 U
Bromodichloromethane	U	5 U	U	5 U	U	5 U
Bromoform	U	5 U	U	5 U	U	5 U
Bromomethane	U	10 U	U	10 U	U	10 U
Carbon Disulfide	U	10 U	U	10 U	U	10 U
Carbon Tetrachloride	U	5 U	U	5 U	U	5 U
Chlorobenzene	U	5 U	U	5 U	U	5 U
Chloroethane	U	10 U	U	10 U	U	10 U
Chloroform	U	5 U	U	5 U	U	5 U
Chloromethane	U	10 U	U	10 U	U	10 U
cis-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	1 J
cis-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Dibromochloromethane	U	5 U	U	5 U	U	5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA
Ethyl Ether	NA	5 U	NA	5 U	NA	5 U
Ethylbenzene	U	5 U	U	5 U	U	5 U
Hexane	NA	5 U	NA	5 U	NA	5 U
M&P Xylene	NA	5 U	NA	5 U	NA	5 U
Methylene Chloride	U	5 U	U	5 U	U	5 U
O Xylene	NA	5 U	NA	5 U	NA	5 U
Styrene	U	5 U	U	5 U	U	5 U
tert-Butyl-Methyl-Ether	NA	5 U	NA	5 U	NA	5 U
Tetrachloroethene	150	47	U	1 J	13	8
Toluene	U	5 U	U	5 U	U	5 U
trans-1,2-Dichloroethene	NA	5 U	NA	5 U	NA	5 U
trans-1,3-Dichloropropene	U	5 U	U	5 U	U	5 U
Trichloroethene	3 J	1.9 J	U	5 U	100	43
Trichlorofluoromethane	NA	5 U	NA	5 U	NA	5 U
Vinyl Acetate	U	10 U	U	10 U	U	10 U
Vinyl Chloride	U	10 U	U	10 U	U	10 U
Xylene (total)	U	NA	U	NA	U	NA

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Not analyzed

Table 8
Comparison of Historical Data for Volatile Organic Compounds in Groundwater
Pall Corporation and Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-1P	MW-6P	MW-3	MW-8	MW-9
Site Location	Pall Corp	Pall Corp	Photocircuits	Photocircuits	Photocircuits
Sample Date	October 1995	October 1995	August 1996	August 1996	August 1996
Volatile Organic Compounds (ppb)					
1,1,1-Trichloroethane	5 U	47	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	8.9	5 U	5 U	2 J
1,1-Dichloroethene	5 U	9.2 B	5 U	5 U	5 U
1,2-Dichlorobenzene	10 U	10 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	8.6 B	47 B	NA	NA	NA
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	10 U	10 U	5 U	5 U	5 U
1,4-Dichlorobenzene	10 U	10 U	5 U	5 U	5 U
2-Butanone	NA	NA	10 U	10 U	10 U
2-Chloroethylvinylether	10 U	10 U	5 U	5 U	5 U
2-Hexanone	NA	NA	10 U	10 U	10 U
4-Methyl-2-Pentanone	NA	NA	10 U	10 U	10 U
Acetone	NA	NA	1 JB	10 U	2 JB
Acrolein	20 U	20 U	NA	NA	NA
Acrylonite	20 U	20 U	NA	NA	NA
Benzene	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U
Bromomethane	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	NA	NA	10 U	10 U	10 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U
Chloroethane	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	NA	NA	5 U	5 U	5
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA
Ethyl Ether	NA	NA	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U
Hexane	NA	NA	5 U	5 U	5 U
M&P Xylene	NA	NA	5 U	5 U	5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U
O Xylene	NA	NA	5 U	5 U	5 U
Styrene	NA	NA	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	NA	NA	1 J	1 J	5 U
Tetrachloroethene	5 U	9.8	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	NA	NA	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	18	5 U	5 U	5 U
Trichlorofluoromethane	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	NA	NA	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U
Xylene (total)	5 U	5 U	NA	NA	NA

Notes:

U = Not detected above the detection limit

J = Value is an estimate

B = Analyte also detected in the method blank

E = Value exceeds calibration range

NA = Not analyzed for this parameter

Table 8
Comparison of Historical Data for Volatile Organic Compounds in Groundwater
Pall Corporation and Photocircuits Corporation
Glen Cove, New York

Sample ID	MW-10	MW-11	NC-Well
Site Location	Photocircuits	Photocircuits	Photocircuits
Sample Date	August 1996	August 1996	August 1996
Volatile Organic Compounds (ppb)			
1,1,1-Trichloroethane	6	5 U	16
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U
1,1-Dichloroethane	100	5 U	8
1,1-Dichloroethene	28	5 U	5 U
1,2-Dichlorobenzene	5 U	5 U	5 U
1,2-Dichloroethane	2 J	5 U	5 U
1,2-Dichloroethene (total)	NA	NA	NA
1,2-Dichloropropane	5 U	5 U	5 U
1,3-Dichlorobenzene	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U
2-Chloroethylvinylether	5 U	5 U	5 U
2-Hexanone	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U
Acetone	10 U	2 JB	1 JB
Acrolein	NA	NA	NA
Acrylonite	NA	NA	NA
Benzene	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U
Bromomethane	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U
Carbon Tetrachloride	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U
Chloroethane	2 J	10 U	2 J
Chloroform	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U
cis-1,2-Dichloroethene	46	5 U	10
cis-1,3-Dichloropropene	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U
Dichlorodifluoromethane	NA	5 U	NA
Ethyl Ether	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U
Hexane	5 U	5 U	5 U
M&P Xylene	5 U	5 U	5 U
Methylene Chloride	5 U	5 U	5 U
O Xylene	5 U	5 U	5 U
Styrene	5 U	5 U	5 U
tert-Butyl-Methyl-Ether	5 U	5 U	5 U
Tetrachloroethene	6	5 U	1 J
Toluene	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U
Trichloroethene	16	4 J	4 J
Trichlorofluoromethane	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U
Vinyl Chloride	9 J	10 U	10 U
Xylene (total)	NA	NA	NA

Notes:
U = Not detected above the detection limit
J = Value is an estimate
B = Analyte also detected in the method blank
E = Value exceeds calibration range
NA = Not analyzed for this parameter

APPENDIX A

SOIL BORING LOGS

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-01
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/6/96 - 8/6/96	Jen Zarnowsky/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 4.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	0.9	Grey/black fine to medium SAND, some fine gravel, slightly moist, asphalt fragments Beige FILL (Fine SAND, dry) Brown/dark brown fine SAND with rounded pebbles, moist	3.1		
2	1	NO RECOVERY			
		Black fine SAND with fine to medium gravel and silt, wet			
4		END OF BORING AT 4 FEET			
6					
8					
10					
12					
14					

WELNGPFD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-02
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/6/96 - 8/6/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole: 4.0 feet

Ground Surface Elevation (ft. MSL)

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description, Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	3.1	Concrete fragments, dry	1.7		
		Medium brown silty fine to medium SAND, trace fine gravel, medium dense, damp			
2		Tan fine SAND, lit to some medium sand, well sorted, loose, damp			
		Black/dark grey fine sandy SILT, trace coarse gravel, firm, wet			
		Same as above, saturated			
4		END OF BORING AT 4 FEET			
6					
8					
10					
12					
14					

WRNOFFED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-03
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/6/96 - 8/6/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 4.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	1.4	Concrete fragments, dry	3.1		
		Dark grey fine SAND, little medium to coarse sand, trace fine gravel, little silt, damp			
2	0.9	Same as above, moist to wet	5.9		
4		Same as above, saturated			
		END OF BORING AT 4 FEET			
6					
8					
10					
12					
14					

WRNOFFED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-04
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/6/96 - 8/6/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 6.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	1.5	NO RECOVERY	0.7		
		White FILL (Fine to medium GRAVEL, some fine sand, dry)			
		Black fine SAND, trace fine gravel, moist			
2	1	NO RECOVERY	0		
		Black fine SAND, trace fine gravel, moist			
4	2	Black/brown silty SAND, little fine gravel, moist	0		
		Tan/grey fine to coarse SAND, some fine gravel, medium dense, wet			
6		END OF BORING AT 6 FEET			
8					
10					
12					
14					

WRNGPFRD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-05
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/6/96 - 8/6/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 4.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	3	Medium brown fine sandy SILT, roots, dry	0		
		Medium/dark brown silty fine SAND, some medium to coarse sand, trace fine gravel, medium dense, moist to damp			
2		Dark brown fine sandy SILT, moderately plastic, wet			
		Same as above, saturated			
4		END OF BORING AT 4 FEET			
6					
8					
10					
12					
14					

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-06
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/7/96 - 8/7/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole: 6.0 feet

Ground Surface Elevation (ft. MSL)

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	1.8	Medium brown to black fine to medium SAND, little silt, little fine gravel, moist	0		
2	1.5		0		
4	1.7	Tan/brown fine to medium SAND, trace coarse sand, saturated Tan/rust fine to coarse SAND, little fine gravel, saturated	0		
6		END OF BORING AT 6 FEET			
8					
10					
12					
14					

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-07
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/7/96 - 8/7/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 4.0 feet	**Ground Surface Elevation (ft. MSL)**
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	3.4	Medium brown/grey fine SAND, little medium to coarse sand, trace fine gravel, trace silt, moist to damp	0		
2		Medium/dark brown fine SAND, some silt, little coarse sand and fine gravel, damp to wet			
		Tan fine to medium SAND, little coarse sand, trace fine gravel, saturated			
4		END OF BORING AT 4 FEET			
6					
8					
10					
12					
14					

WELGPFPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-08
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/7/96 - 8/7/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 10.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	3.0	Medium brown fine SAND, some silt, little medium to coarse sand and fine gravel, damp Tan/rust fine SAND, trace medium to coarse sand and fine gravel, damp	0		
2		Dark brown fine sandy SILT, trace medium sand to fine gravel, roots, damp			
4	2	Grey/tan fine to coarse SAND and fine GRAVEL, damp Same as above, trace to little clay	0		
6	3	Light grey CLAY, slightly plastic, dry to slightly damp Same as above, rust mottles, damp to wet	0		
8					
10		Rust/tan fine to medium SAND, little coarse sand to fine gravel, saturated END OF BORING AT 10 FEET			
12					
14					

WELLOPPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-09
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/7/96 - 8/7/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole: 7.0 feet

Ground Surface Elevation (ft. MSL)

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	3.8	Brown/grey fine SAND, some silt, little medium to coarse sand, trace fine gravel, damp	0		
2					
4	2.6	Grey fine to medium SAND, little to some coarse sand, trace fine gravel, moist	0		
6		Grey CLAY with rust mottles, slightly plastic, damp			
		Rust/tan fine SAND, little to some medium to coarse sand and fine gravel, moist to wet.			
8		END OF BORING AT 7 FEET			
10					
12					
14					

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-10
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/7/96 - 8/7/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Dudley Warner	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole: 10.0 feet
Ground Surface Elevation (ft. MSL)

Memo:

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	3.6	Brown/tan fine SAND, little to some silt, trace coarse sand and gravel, dry to damp	0		
4	3.5	Rust/tan fine to medium SAND, some coarse sand and fine gravel, damp	0		
8	1.3	Same as above, saturated	0		
10		END OF BORING AT 10 FEET			

WENGFFED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-11
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole:	**Ground Surface Elevation (ft. MSL)**
6.0 feet	

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	2.4	Concrete fragments	39.3		
		Brown/grey fine SAND, trace to little clay and silt, little medium to coarse sand, damp to moist			
2					
		Grey/brown silty clayey fine SAND, little medium sand, damp to wet			
4	1.2	Same as above, wet to saturated	26.6		
6		END OF BORING AT 6 FEET			
8					
10					
12					
14					

WINGPFD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-12
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 8.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.2	Tan/brown/grey fine SAND, some medium to coarse sand and fine gravel, damp to moist	71		
2		Brown/grey silty clayey fine SAND, little medium to coarse sand and fine gravel, moist to wet			
4	3.4	Same as above, tan/grey, wet	28		
6		Dark brown silty fine to medium SAND, dry to damp			
		Tan/brown fine to coarse SAND and fine to medium GRAVEL, saturated			
8		END OF BORING AT 8 FEET			
10					
12					
14					

WELLOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-13
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 8.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	2.1	Grey/tan/black fine SAND, some medium to coarse sand and fine gravel, wet	259		
2					
4	4	Same as above, saturated	76		
6					
8		END OF BORING AT 8 FEET			
10					
12					
14					

WRNGPPRD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-14
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 8.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description, Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	1.8	Tan/black/brown fine SAND, some medium to coarse sand, little fine gravel, damp to moist	15.4		
4	4	Tan fine to medium SAND, well sorted, trace coarse sand, wet	14.7		
6		Black/brown fine sandy SILT to silty SAND, trace medium to coarse sand, moist			
8		Black fine to coarse SAND and fine to medium GRAVEL, saturated			
		END OF BORING AT 8 FEET			
10					
12					
14					

WELL OFFSET

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-15
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole: 6.0 feet

Ground Surface Elevation (ft. MSL)

Memo:

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	1.5	Grey/tan/brown fine to medium SAND, some coarse sand and fine gravel, damp			
2		Grey/brown silty clayey fine SAND, little medium to coarse sand, moist			
4	1	Same as above, saturated	9.9		
6		END OF BORING AT 6 FEET			
8					
10					
12					
14					

WELNOTES

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-16
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 6.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	1.9	Grey/tan fine to medium SAND, little coarse sand and fine gravel, dry	44.5		
2		Same as above, black, saturated			
4	0.3		44.5		
6		END OF BORING AT 6 FEET			
8					
10					
12					
14					

WELLOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-17
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 8.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.4	Black sandy FILL	11		
		Tan fine SAND, well sorted, little to some medium to coarse sand, damp			
2					2
4	1.8		13.2		4
		Grey/brown fine to coarse SAND, little gravel, saturated			
6					6
8		END OF BORING AT 8 FEET			8
10					10
12					12
14					14

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-18
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	2.8	Asphalt fragments	0		
		Tan/light rust fine SAND, little to some medium to coarse sand and fine gravel, damp			
2					
4	4		0		
6					
8	1.6	Tan/light rust very fine to fine SAND, trace to little medium to coarse sand, damp to most	0		
10	1.5	Tan/rust fine to coarse SAND, well sorted, saturated	1		
12		END OF BORING AT 12 FEET			
14					

WRNOPPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-19
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	2.9	FILL, fragments	0		
		Tan fine SAND, some medium to coarse sand, little fine gravel, trace medium gravel, dry to damp			
2					
4	4	Tan/rust fine SAND, some very fine sand, trace medium to coarse sand, trace fine gravel, damp	0		
6					
8	2		2.9		
10	2	Tan/rust fine to medium SAND, little coarse sand, well sorted, saturated	0		
12		END OF BORING AT 12 FEET			
14					

WELDFIED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-20
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	3.0	Asphalt fragments	0		
		Tan/light rust fine SAND, little medium to coarse sand and fine gravel, dry to damp			
2					
4	4		0		
6		Tan/rust fine to medium SAND, some coarse sand, little fine gravel, damp			
8	2	Same as above, trace clay	0		
10	1	Tan/rust fine to coarse SAND, little fine gravel, saturated	0		
12		END OF BORING AT 12 FEET			
14					

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-21
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/19/96 - 8/19/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc	PID Reading	Graphic Log	Field Notes
0	3	Tan fine SAND, little medium to coarse sand and fine gravel, damp	0		
2					
4	3.2		0		
6					
8	1.6	Tan/rust fine SAND, trace to little medium to coarse sand, trace fine gravel, wet	0		
10	2	Same as above, saturated	0		
12		END OF BORING AT 12 FEET			
14					

WRNOPPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-22
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.9	Asphalt fragments	0		
		Tan/light rust fine SAND, trace to little medium to coarse sand, dry to damp			
		Tan/rust very fine sandy SILT, dry to damp			
2		Tan/rust fine to medium SAND, some coarse sand, little fine gravel, damp			
4	3.8		0		
6					
8	1.8		0		
10	1.5		0		
		Same as above, saturated			
12		END OF BORING AT 12 FEET			
14					

WRNGPPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-23
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	**Ground Surface Elevation (ft. MSL)**
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.6	Asphalt fragments	0		
		Tan/rust fine to medium SAND, little to some coarse sand and fine gravel, damp			
2					
4	2.7		0		
6					
8	1.7	Same as above, damp to moist	0		
		Tan/rust very fine to fine SAND, trace medium to coarse sand and fine gravel, moist			
10	0.7	Tan/light rust fine to coarse SAND, little to some fine gravel, wet to saturated	0		
12		END OF BORING AT 12 FEET			
14					

WELNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-24
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole:	Ground Surface Elevation (ft. MSL)
12.0 feet	

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.7	Concrete fragments	4		
		Brown/tan/rust fine to coarse SAND, some fine gravel, damp			
2					
4	4		0		
6					
8	1.7	Grey/tan/rust fine to medium SAND, some coarse sand, little fine gravel, damp	0		
10	1.6	Same as above, wet	0		
		Tan/light rust very fine to fine SAND, saturated			
		Tan/rust fine to coarse SAND, little fine gravel, saturated			
12		END OF BORING AT 12 FEET			
14					

W:\NOFFICE

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-25
Page 1 of 1

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 12.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.4	Light brown fine to medium SAND, some coarse sand and fine gravel, dry to damp	0		
2					
4	3.6		0		
6					
8	1.8	Tan/rust fine to medium SAND, trace to little coarse sand, trace fine gravel, damp	0		
10	1.8		0		
		Same as above, saturated			
12		END OF BORING AT 12 FEET			
14					

WENGFIED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-26
Page 1 of 2

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 22.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	1.2	Medium brown fine SAND, little medium to coarse sand, trace fine gravel, damp	17.6		
2					
4	3.2	Tan/light rust fine SAND, little medium to coarse sand, trace fine gravel, moist	56.7		
6					
8	3.1		206		
10					
12	1.5		186		
		Medium brown SILT, damp to moist			
		Tan/light rust fine SAND, little medium to coarse sand, trace fine gravel, moist			
14		Medium brown SILT, damp to moist			

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-26
Page 2 of 2

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2	Tan very fine to fine SAND, damp	167		
		Medium brown SILT, damp to moist			
		Tan very fine to fine SAND, damp			
		Medium brown SILT, damp to moist			
		Tan very fine to fine SAND, damp			
		Medium brown SILT, damp to moist			
16	2	Tan very fine to fine SAND, damp			16
18	1.3	Tan very fine to fine SAND, dry to damp	56		18
20	1.5	Medium/light brown very fine to fine SAND, little medium sand, saturated	46		20
22		END OF BORING AT 22 FEET			22
24					24
26					26
28					28
30					30

W:\NOFFED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-27
Page 1 of 2

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods

T.D. Borehole:	Ground Surface Elevation (ft. MSL)
24.0 feet	

Memo:

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
0	2	Medium/light brown fine SAND, little medium to coarse sand and fine gravel, damp	0		
2					
4	3	Tan/rust fine to medium SAND, some coarse sand and fine gravel, damp	0		
6					
8	3.8		0		
10					
12	1.3		0		
14					

WRNOPPED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-27

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
16	1.4		0		
	1.4		0		
18		DRIVE TO 20 FEET			
20	1	Tan/rust fine to medium SAND, little coarse sand and fine gravel, damp	0		
22	1.2	Medium brown SILT, some clay, trace coarse sand, damp SILT as above, saturated 2" lens of fine to medium SAND, little coarse sand and fine gravel 5" lens of SAND 1" lens of SAND	0		
24		END OF BORING AT 24 FEET			
26					
28					
30					

WELGPFD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-28
Page 1 of 2

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/20/96 - 8/20/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 22.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.8	Concrete fragments	0		
		Rust fine to coarse SAND with fine GRAVEL, dry to damp , several large gravel fragments (1-2" diameter) near bottom			
2					2
4	4		0		4
		White very fine to fine SAND, little medium to coarse sand, trace fine gravel, larger fragments at 5'			
		Rust fine to coarse SAND with fine GRAVEL, dry to damp			
6					6
8		DRIVE TO 12 FEET			8
10					10
12	1.1	Tan/rust fine to coarse SAND, little to some fine gravel, damp	0		12
14					14

WENOFFED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-28
Page 2 of 2

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
		DRIVE TO 18 FEET			
16					
18	1.3	Tan/rust fine SAND, some medium sand, trace coarse sand and fine gravel, damp	0		
		Medium brown SILT, little clay, trace to little sand, damp			
		Tan fine to medium SAND, little coarse sand, trace fine gravel, damp			
20	2.0	Tan/rust fine to medium SAND, little to some coarse sand, damp	0		
22		END OF BORING AT 22 FEET			
24					
26					
28					
30					

WRNGFPID

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-29
Page 1 of 2

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/21/96 - 8/21/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 24.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2.5	Tan/rust fine to medium SAND, some coarse sand and fine gravel, damp	0		
2					
4	4		0		
		Lens of medium brown clayey SILT, little sand, damp			
6		Lens of SILT			
8		DRIVE TO 14 FEET			
10					
12					
14					

WELDFIED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-29

Depth Below Surface (ft)	Sample Interval / Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	1.5	Tan/light rust fine SAND, little medium to coarse sand and fine gravel, dry to damp	1		
16		DRIVE TO 20 FEET			
18					
20	1.7	Tan/light rust fine SAND, little medium to coarse sand and fine gravel, dry to damp	0		
22	1.5	Tan fine SAND, little medium sand, wet to saturated	4.7		
24		END OF BORING AT 24 FEET			
26					
28					
30					

WELGPPJD

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-30
Page 1 of 2

Start/Finish Date:	Geologist/Office:	Monitoring Device:	Well Installed:
8/21/96 - 8/21/96	Dan Baldwin/Warren, New Jersey	OVM 580 B	No

Drilling Contractor/Driller:	Sampling Method:
Matt Ruf	Acetate Liner
Drilling Equipment:	**Drilling Method:**
Geoprobe	Hydraulic Push Rods
T.D. Borehole: 26.0 feet	Ground Surface Elevation (ft. MSL)
Memo:	

N

Location Sketch

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
	2	Concrete fragments	533		
		Medium/dark brown fine SAND, little silt, little medium to coarse sand and fine gravel, damp			
2		Tan fine SAND, little medium to coarse sand, trace fine gravel, damp			
4	4		>1000		
6		Tan very fine to fine SAND, trace medium to coarse sand and fine gravel, damp			
8		DRIVE TO 12 FEET			
10					
12	1.3	Tan/rust fine to medium SAND, little coarse sand, trace fine gravel, damp	>3000		
		Medium brown SILT, damp			
14					

WELDFIED

GEOPROBE SOIL BORING LOG

McLaren Hart

Project: Photocircuits Inc.
Project Location: Glen Cove, New York
Project Number: 12080267.001

Boring No: GP-30
Page 2 of 2

Depth Below Surface (ft)	Sample Interval Feet of Recovery	Soil Description Color, Texture, Moisture, Etc.	PID Reading	Graphic Log	Field Notes
		DRIVE TO 16 FEET			
16	1.6	Medium brown SILT, trace sand, damp	>3000		
		Tan/light brown very fine to fine SAND, trace to little silt, damp to moist			
18		DRIVE TO 20 FEET			
20	2	Tan/light brown very fine to fine SAND, trace to little silt, damp to moist	>4000		
22	2	Tan/rust fine to medium SAND, trace coarse sand, damp to moist	>1500		
24	1.5	Medium brown very fine to fine SAND, little to some silt, saturated	350		
26		END OF BORING AT 26 FEET			
28					
30					

WELOPPED