SITE INVESTIGATION REPORT

NORTHEAST PORTION

CHAMPION PRODUCTS COMPANY

PERRY, NEW YORK

DELTA PROJECT NO. S098-009

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NORTHEAST PORTION
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK
DELTA PROJECT NO. S098-009

1.0 INTRODUCTION

The purpose of this report is to provide a discussion of the various phases of site investigation activities performed, data obtained and recommendations for the Northeast Portion of the site. It is our understanding that the Northeast Portion of the site is currently under consideration for purchase from Mr. Sam Gullo, the current property owner. The potential purchaser is interested in constructing a gas station on the Northeast Portion of the site.

The Site Investigation Report for the entire former Champion Products Company (Champion) facility is in the process of being completed as part of a Voluntary Cleanup with the New York Department of Environmental Conservation (NY DEC). By March 1999, Champion plans to develop a Remediation Workplan for each area of concern, including the Northeast Portion of the facility. This Workplan will be submitted to the NY DEC for review and incorporation as part of the Voluntary Cleanup Agreement.

2.0 BACKGROUND

2.1 Site Location

The site is located immediately south of North Main Street in Perry, New York, as shown in Figures 1 and 2. The Northeast Portion of the site is bordered to the north and east by residential dwellings. The remainder of the site, which primarily produces print screen apparel for team sports and retail sale, borders the Northeast Portion of the site to the west and south. Champion currently leases a portion of the site.

Based on our review of the Mount Morris, New York USGS topographic map (Figure 1), surface elevation at the site is approximately 1,300 feet above mean sea level and the site is situated on a topographic high.

The site is currently serviced by municipal drinking water and sewer and has reportedly been serviced by these utilities since the property was purchased by Champion. All residences within the Village of Perry are connected to municipal water.

2.2 Site History - Northeast Portion of Site

Environmental due diligence activities were performed by Champion prior to the divestment of the entire site, including the Northeast Portion, from Champion to Mr. Sam Gullo. During these due diligence activities, it was determined that a petroleum storage/distribution facility and gasoline service station had operated at the Northeast Portion of the site in the 1950's and 1960's. This portion of the site was purchased by Champion in the late 1970's.

A site plan from 1974 was provided by Champion. This plan showed the storage/distribution facility and gasoline station. These locations were also confirmed by the following sources:

1. In July 1998, Mr. Ron Blythe, a former employee of the gas station, and a Delta representative walked through the Northeast Portion of the site. Mr. Blythe identified the locations of the former service station building, pump island and USTs. Mr. Blythe also identified the approximate location of the petroleum bulk storage/distribution facility, which included the use of above-ground storage tanks. The locations of these historical operations identified by Mr. Blythe are consistent with those locations referenced on the 1974 site plan.

2. Aerial photographs were reviewed at the Wyoming County Soil Conservation Service in Warsaw, New York. Photographs from 1954, 1968 and 1974 were available at scales ranging from 1 inch = 2,000 feet to 1 inch = 1,300 feet. The 1954 aerial photograph did not show the former petroleum operations on the site. The 1968 and 1974 photographs did show the facilities at locations that correspond to the locations on the site plan. A copy of the 1974 aerial photograph is attached as Appendix A.

3. Mr. Donald Butler, a local contractor, was interviewed by Delta personnel regarding the former USTs. Mr. Butler recalled removing the USTs from the Northeast Portion of the site. Mr. Butler believes the USTs from the Northeast Portion of the site were removed in the late 1970's, prior to the purchase of the property by Champion. Based on the above data, a site map was developed for the Northeast Portion of the site and is presented as Figure 3.

3.0 FIELD INVESTIGATIONS

Soil and ground water samples were collected during various investigative phases from the Northeast Portion of the site to define the nature and extent of impacted soils and ground water. The investigations were performed from May 1998 through November 1998 and included the advancing of nine soil borings and the installation of three ground water monitoring wells.

During the investigations, water level readings were obtained from monitoring wells MW-112 through MW-114 and the ground water elevation data are presented in Table 1. Monitoring well construction characteristics are presented as Appendix B. Ground water occurs at depths ranging from 2.95 feet below grade surface (bgs) at monitoring well MW-112 to 8.90 feet bgs at MW-113. Based on the water level readings, ground water in the surficial aquifer flows in a northeasterly direction.

Table 2 summarizes the sample location, depth and laboratory analysis performed on each sample obtained from the Northeast Portion of the site. Sample locations and evaluation of the data with respect to the NY DEC soil objectives or ground water standards are presented below.

Nine soil samples were obtained from soil borings SB-07 through SB-12 and monitoring wells MW-112 through MW-114. The samples were submitted to Upstate Laboratories, Inc. for analysis of volatile organic compounds (VOCs) by EPA method 8260, STARS (EPA Method 8021) and lead.

The soil analytical results, as summarized in Table 3, indicated the presence of gasoline-related VOCs above method detection limits, but below NY DEC soil objectives in three of the nine soil samples (SB-08, SB-11 and MW-113).

VOCs were not identified above method detection limits in the remaining six samples. Reported concentrations for lead ranged from less than 12,000 micrograms per kilogram (ug/kg) to 17,000 ug/kg. These values are believed to be indicative of the range of naturally occurring lead levels. A copy of the laboratory analytical report is attached as Appendix C.

Ground water samples were obtained from soil borings SB-07, SB-09 and SB-11 on July 15, 1998. The ground water analytical results, as summarized in Table 4, indicate the presence of toluene in the ground water at soil boring SB-07 and SB-09, but at concentrations equal to or below the NY DEC ground water quality standards. Benzene, ethylbenzene, toluene and xylenes were detected in the ground water at SB-11 above the NY DEC ground water quality standards at concentrations of 3 micrograms per liter (ug/l), 320 ug/l, 7 ug/l and 779 ug/l, respectively.

Three ground water monitoring wells (MW-112 through MW-114) were installed in August 1998 and ground water samples were obtained from these monitoring wells on two occasions. The ground water analytical results, as summarized in Table 4, revealed the presence of benzene (2 ug/l in August 1998 and 10.1 ug/l in November 1998) in excess of the NY DEC ground water standard of 1 ug/l at monitoring well MW-113. The remaining targeted VOCs are below their respective ground water standards.

4.0 CONCLUSIONS

Based on the results of the site investigation, Delta provides the following conclusions for the Northeast Portion of the site:

Historical

- A petroleum storage/distribution facility and gasoline service station had operated at the Northeast Portion of the site in the 1960's and 1970's.
- The USTs from the northeast potion of the site were removed in the late 1970's, prior to the purchase of the property by Champion.
- The Champion facility is currently serviced by municipal drinking water and sewer and has reportedly been serviced by these utilities since the property was purchased by Champion. All residences within the Village of Perry are also connected to municipal water.

Soil

- The analytical results of soil samples collected during the advancement of soil borings SB-07 through SB-12 and installation of monitoring wells MW-112 through MW-114 did not reveal the presence of targeted VOCs above DEC regulatory objectives.
- Detectable levels of lead were reported in three of the six soil samples at concentrations ranging from 12,000 ug/kg to 17,000 ug/kg. These detected values are considered to be within the range of naturally occurring lead levels.

Ground Water

- Ground water occurs at depths ranging from 2.95 feet bgs at monitoring well MW-112 to 8.90 feet bgs at MW-113. The ground water flow direction is to the northeast.
- The ground water analytical results did not indicate the presence of targeted VOCs above the NY DEC ground water standards at soil borings SB-07 and monitoring wells MW-112 and MW-114.
- The ground water analytical results indicate the presence of toluene (5 ug/l) at soil borings SB-09 at a concentration equal to the NY DEC ground water standard.
- Benzene, ethylbenzene, toluene and xylenes were detected at SB-11 at concentrations of 3 ug/l, 320 ug/l, 7 ug/l and 779 ug/l, respectively. Each of these concentration are above the NY DEC ground water standards.
- The analytical results obtained from the ground water at monitoring well MW-113 revealed the presence of benzene (2 ug/l and 10.1 ug/l) in excess of the NY DEC ground water standard of 1 ug/l. The remaining targeted VOCs are below their respective ground water standards at the locations of monitoring well MW-113.
- The potential for VOCs that have been identified in other areas of the site to impact the Northeast Portion is minimal due to the delineation of the dissolved phase plume, the low dissolved phase levels in the ground water and the distance from these areas to the Northeast Portion.

5.0 RECOMMENDATIONS

Based on the conclusions of the site investigations, the following recommendations are provided for the Northeast Portion of the site:

- Active remediation of the soil or ground water is not recommended due to the low levels of VOCs and the proposed continued use as non-residential.
- Quarterly monitoring of the ground water at the location of the three monitoring wells located on the Northeast Portion of the site should be performed for a minimum of 2 years. This monitoring would include obtaining quarterly ground water samples and submitting the samples for analysis of VOCs.
- A land use (deed) restriction should be established for the Northeast portion of the site. This restriction would prohibit the use of this portion of the site for residential use as long as soil and ground water exceedences are present.
- Concurrence of the proposed natural remediation plan and the need for a deed restriction should be obtained from the NY DEC as part of the Remediation Workplan for the entire site.

6.0 REMARKS

The discussions contained in this summary represent our professional opinions. These opinions are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

This report was prepared by:

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Stephen A. Zbur, P.G.
Senior Consultant

1/15/99
Date

TABLES

TABLE 1

Date: 12/31/98

HISTORICAL GROUND WATER ELEVATION DATA
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS FACILITY
PERRY, NEW YORK
Delta Project No. S098-009

SITE	DATE	MP ELEVATION[2] (feet)	TIME	DEPTH TO WATER (feet)	△ WATER ELEV.[1] (feet)	WATER ELEV.[2] (feet)
MW-112	08/21/98	77.680	00:00	2.95	NA	74.73
MW-112	11/03/98	77.680	00:00	2.40	0.55	75.28
MW-113	08/21/98	75.250	00:00	8.90	NA	66.35
MW-113	11/03/98	75.250	00:00	1.90	7.00	73.35
MW-114	08/21/98	76.450	00:00	0.60	NA	75.85
MW-114	11/03/98	76.450	00:00	1.00	-0.40	75.45

(1) Change in Water Elevation since last reported measurement

D = Dry NA = Not Available

(2) Measurements Based on Mean Sea Level

TABLE 2
SAMPLING SUMMARY
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK
Delta Project No. S098-009

SAMPLE ID	SAMPLE DATE	DEPTH (ft-bgs)	ANALYTICAL PROTOCOL		
SOIL			A	B	C
SB-07	Jul-15-98	13-15		X	X
SB-08	Jul-15-98	13-15		X	X
SB-09	Jul-15-98	13-15		X	X
SB-10	Jul-15-98	13-15		X	X
SB-11	Jul-15-98	6-8		X	X
SB-12	Jul-15-98	13-15		X	X
MW-112	Aug-19-98	8-10	X		
MW-113	Aug-19-98	6-8	X		
MW-114	Aug-19-98	8-10	X		
GROUND WATER			A	B	C
SB-07	Jul-15-98			X	
SB-09	Jul-15-98			X	
SB-11	Jul-15-98			X	
MW-112	Aug-20-98		X		
	Nov-05-98		X		
MW-113	Aug-20-98		X		
	Nov-05-98		X		
MW-114	Aug-20-98		X		
	Nov-05-98		X		

ft-bgs = feet below ground surface

Analytical Key
A: EPA Method 8021 (STARS)
B: EPA Method 8260 (VOCs)
C: Total Lead

TABLE 3
SOIL ANALYTICAL RESULTS
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK
Delta Project No. S098-009

			VOLATILE ORGANICS					INORGANICS
Sample ID	Depth (feet)	Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	Isopropylbenzene	Lead
SB- 7	13-15	7/15/98	< 4	< 4	< 4	< 4	NA	< 13,000
SB-8	13-15	7/15/98	< 36	71	< 36	300	NA	< 12,000
SB-9	13-15	7/15/98	< 3	< 3	< 3	< 3	NA	17,000
SB-10	13-15	7/15/98	< 3	< 3	< 3	< 3	NA	12,000
SB-11	6-8	7/15/98	< 4	320	8	1,112	NA	13,000
SB-12	13-15	7/15/98	< 3	< 3	< 3	< 3	NA	< 11,000
MW-112	8-10	8/19/98	<4	<4	<4	<4	<4	NA
MW-113	6-8	8/19/98	7	45	10	16	13	NA
MW-114	8-10	8/19/98	<2	<2	<2	<2	<2	NA
SOIL STANDARDS *			60	5,500	1,500	1,200	NS	SB

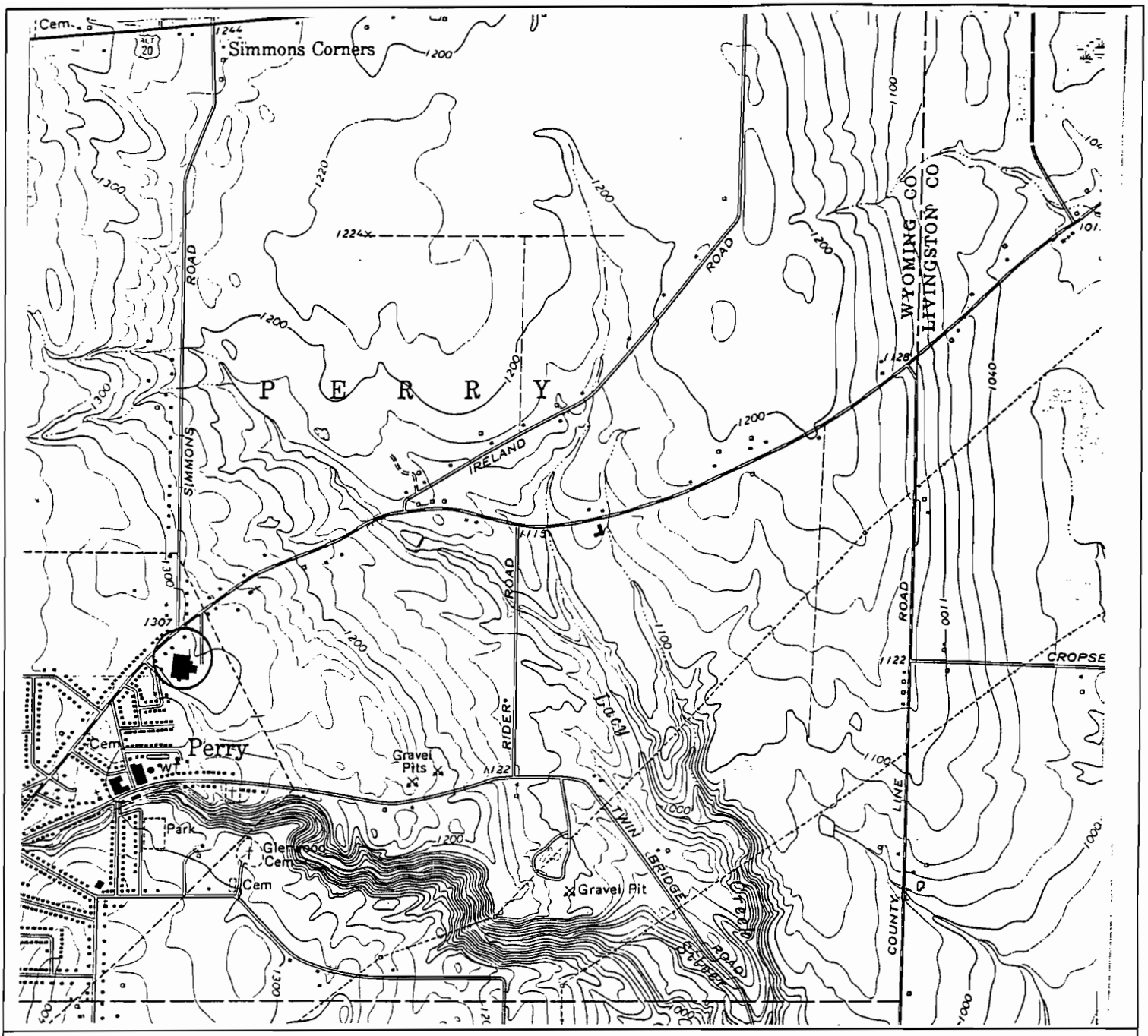
All values reported as micrograms per kilogram or parts per billion (ug/kg).
NA = Not analyzed.
NS = No Standard.
SB = Dependent on site background levels.
* Soil standards from recommended soil clean-up objectives to protect ground water quality, NYDEC - TAGM.

TABLE 4
GROUND WATER ANALYTICAL RESULTS
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK
Delta Project No. S098-009

Sample ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Butylbenzene	Naphthalene
SB-07	7/15/98	<3	4	<3	<3	NA	NA	NA	NA	NA	NA
SB-09	7/15/98	<3	5	<3	<3	NA	NA	NA	NA	NA	NA
SB-11	7/15/98	3	7	320	779	NA	NA	NA	NA	NA	NA
MW-112	8/20/98	0.6	2	0.7	3.9	<0.5	<0.5	1	<0.5	<0.5	<0.5
MW-112	11/3/98	<1	<1	3.1	2.13	<1	<1	3.23	<1	<1	1.28
MW-113	8/20/98	2	0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5
MW-113	11/3/98	10.1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-114	8/20/98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4	<0.5
MW-114	11/3/98	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
REGULATORY STANDARDS *		1	5	5	5	5	5	5	5	5	10

All values reported as micrograms per liter or parts per billion (ug/l).
NA = Not analyzed
Regulatory Standards from NYDEC Water Quality Regulations.
Concentration exceeds regulatory standard.

FIGURES



SCALE 1:24000

1 0 1 MILE

0 1000 2000 3000 4000 5000 6000 7000

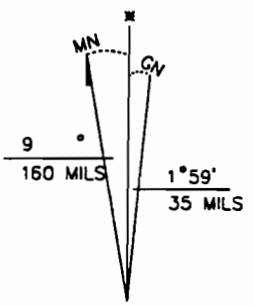
CONTOUR INTERVAL 20 FEET

MOUNT MORRIS, NY

N4237.5-W7752.5/7.5

1972

AMS 5469 III NW-SERIES V821



Delta
Environmental Consultants, Inc.
Pittsburgh, Pennsylvania

FIGURE NO.	CLIENT/LOCATION
1	CHAMPION PRODUCTS COMPANY PERRY, NEW YORK

DELTA PROJECT NO.	DESCRIPTION
S098-009	TOPOGRAPHIC MAP
DRAWN BY: H. WATSON	
REVIEWED BY	DATE: 12-30-98
	SCALE: AS SHOWN
	CAD NO.: TOPO-009

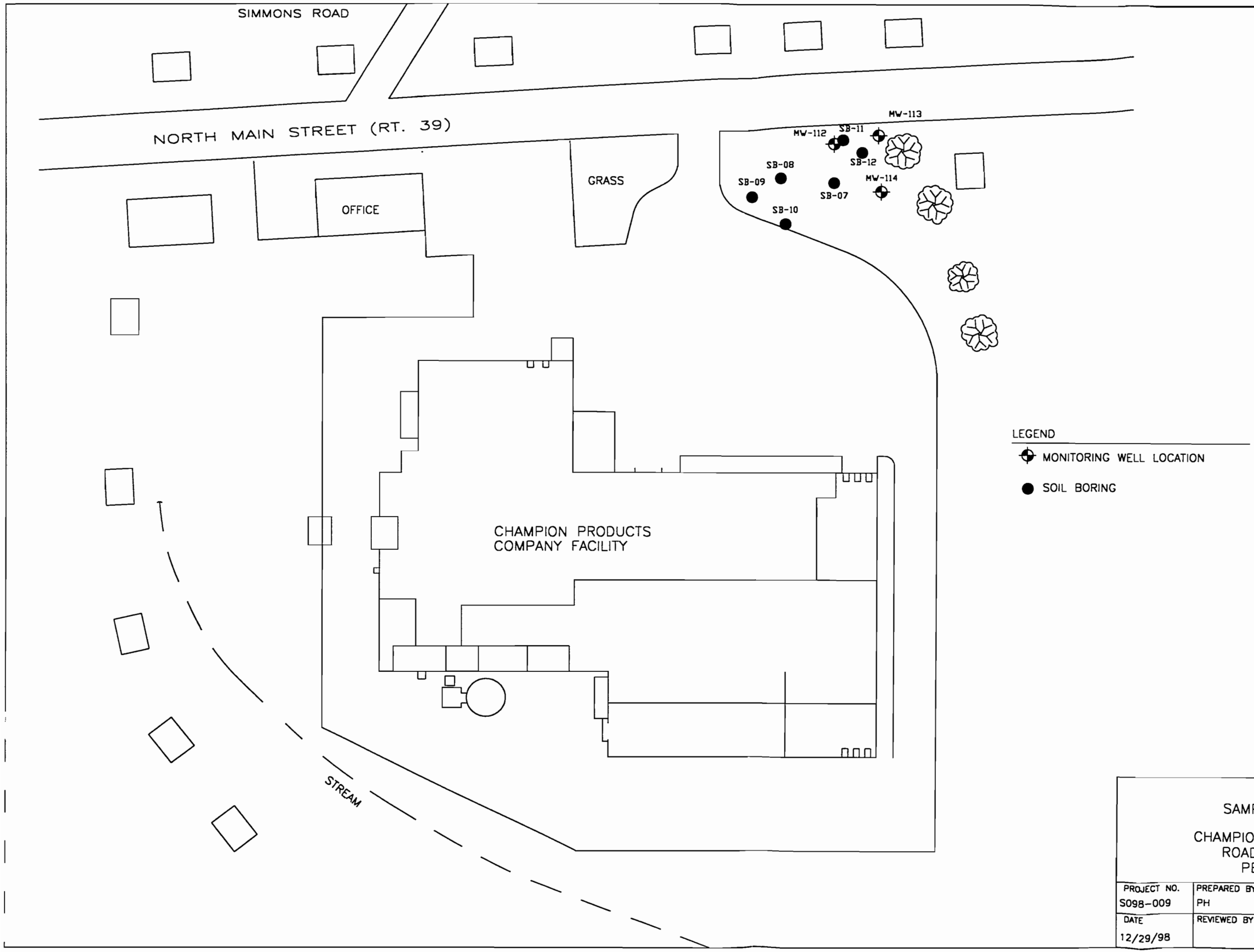
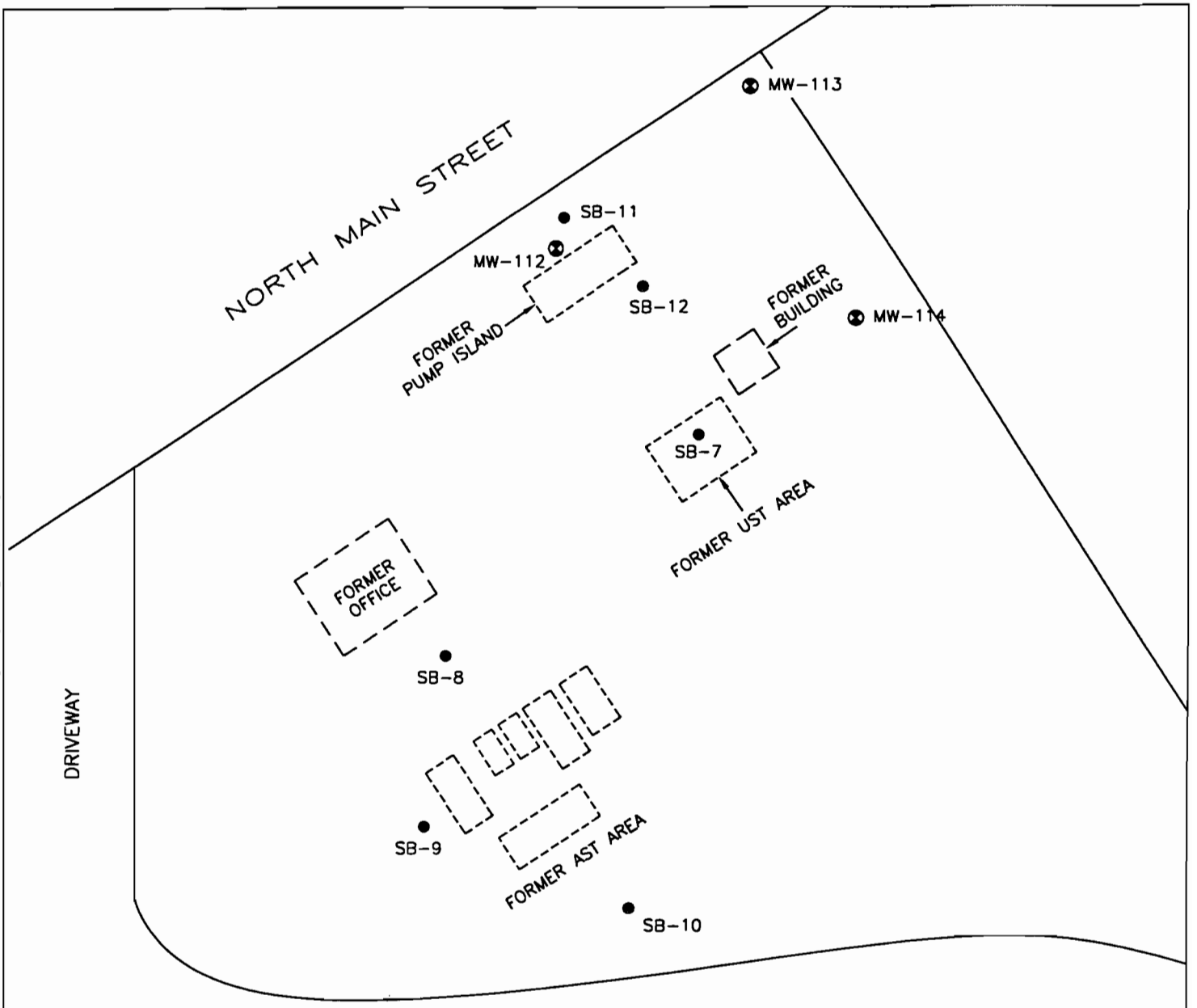


FIGURE 2
SAMPLE LOCATION MAP

CHAMPION PRODUCTS COMPANY
ROAD 2 & NORTH MAIN
PERRY, NEW YORK

PROJECT NO.	PREPARED BY	DRAWN BY
S098-009	PH	DD
DATE	REVIEWED BY	FILE NAME
12/29/98		98009SM

Delta Environmental Consultants, Inc.



LEGEND

- MW-114 MONITORING WELL LOCATION
- SB-12 SOIL BORING LOCATION

North

0 40

SCALE IN FEET

FIGURE 3
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK

PROJECT NO.	PREPARED BY	DRAWN BY
S098-009	PH	DD
DATE	REVIEWED BY	FILE NAME
08/28/98		98009-2A

Delta Environmental Consultants, Inc.

APPENDIX A

1974 AERIAL PHOTOGRAPH

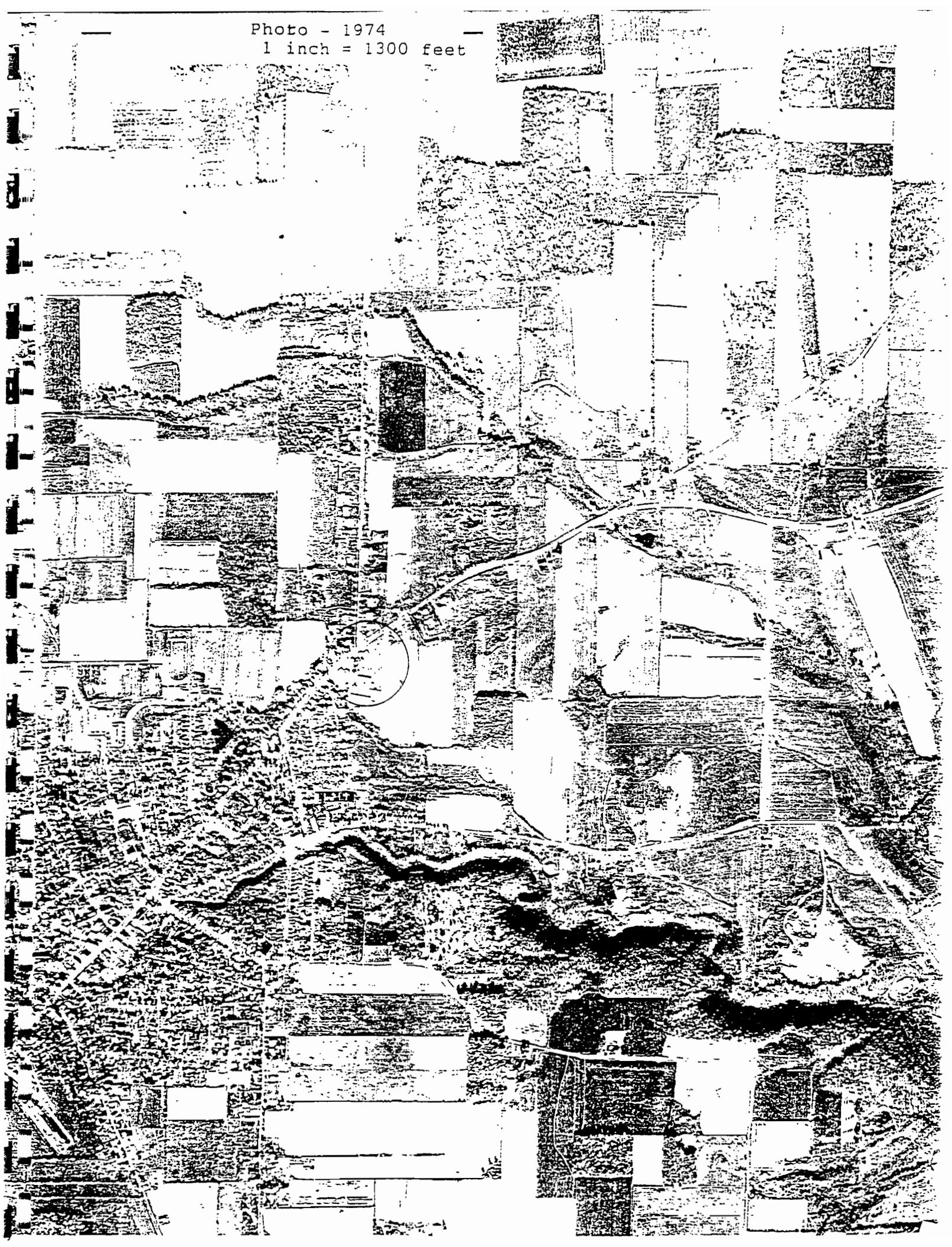


Photo - 1974
1 inch = 1300 feet

APPENDIX B

MONITORING WELL CONSTRUCTION DETAILS

APPENDIX B

Date: 12/31/98

MONITORING WELL CONSTRUCTION CHARACTERISTICS
NORTHEAST PORTION OF SITE
CHAMPION PRODUCTS COMPANY
PERRY, NEW YORK
Delta Project No. S098-009

SITE	WELL DEPTH (feet bgs)	TOTAL DEPTH (feet bgs)	GROUND SURFACE ELEVATION (feet)	MP ELEVATION (feet)	CASING DIAMETER (inches)	SCREENS (feet bgs)		ANNULAR FILLS (feet bgs)	
						INTERVAL	DESCRIPTION	INTERVAL	TYPE
MW-112	15.00	15.00	77.68	77.68	2.00	5.0-15.0	Slotted PVC	0.0-3.0 3.0-4.0 4.0-15.0	Backfill Seal Filter
MW-113	14.00	14.00	75.25	75.25	2.00	4.0-14.0	Slotted PVC	0.0-2.0 2.0-3.0 3.0-14.0	Backfill Seal Filter
MW-114	15.00	15.00	76.45	76.45	2.00	5.0-15.0	Slotted PVC	0.0-3.0 3.0-4.0 4.0-15.0	Backfill Seal Filter

APPENDIX C

LABORATORY ANALYTICAL REPORTS

DATE: 07/22/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 19698140
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client

APPROVAL: AJS
QC: JT
Lab I.D.: 10170

SB-7 1245H 07/15/98 G

ULI I.D.: 19698140 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	82%		WC2449
Total Lead	<13mg/kg dw		MB0135
TCL Volatiles by EPA Method 8260			
Chloromethane	<4ug/kg dw		VM1975
Bromomethane	<4ug/kg dw		VM1975
Vinyl Chloride	<2ug/kg dw		VM1975
Chloroethane	<4ug/kg dw		VM1975
Methylene Chloride	13ug/kg dw	44	VM1975
Acetone	23ug/kg dw	44	VM1975
Carbon Disulfide	<4ug/kg dw		VM1975
1,1-Dichloroethene	<4ug/kg dw		VM1975
1,1-Dichloroethane	<4ug/kg dw		VM1975
trans-1,2-Dichloroethene	<4ug/kg dw		VM1975
cis-1,2-Dichloroethene	<4ug/kg dw		VM1975
Chloroform	<4ug/kg dw		VM1975
1,2-Dichloroethane	<4ug/kg dw		VM1975
2-Butanone	<12ug/kg dw		VM1975
1,1,1-Trichloroethane	<4ug/kg dw		VM1975
Carbon Tetrachloride	<4ug/kg dw		VM1975
Bromodichloromethane	<4ug/kg dw		VM1975
1,2-Dichloropropane	<4ug/kg dw		VM1975
cis-1,3-Dichloropropene	<4ug/kg dw		VM1975
Trichloroethene	<4ug/kg dw		VM1975
Dibromochloromethane	<4ug/kg dw		VM1975
1,1,2-Trichloroethane	<4ug/kg dw		VM1975
Benzene	<4ug/kg dw		VM1975
trans-1,3-Dichloropropene	<4ug/kg dw		VM1975
Bromoform	<4ug/kg dw		VM1975
4-Methyl-2-pentanone	<12ug/kg dw		VM1975
2-Hexanone	<12ug/kg dw		VM1975
Tetrachloroethene	<4ug/kg dw		VM1975
1,1,2,2-Tetrachloroethane	<4ug/kg dw		VM1975
Toluene	<4ug/kg dw		VM1975
Chlorobenzene	<4ug/kg dw		VM1975
Ethylbenzene	<4ug/kg dw		VM1975
Styrene	<4ug/kg dw		VM1975
m-Xylene and p-Xylene	<4ug/kg dw		VM1975
o-Xylene	<4ug/kg dw		VM1975

dw = Dry weight

DATE: 07/22/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 19698140
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client

APPROVAL: AS
QC: JT
Lab I.D.: 10170
SB-8 1015H 07/15/98 G

ULI I.D.: 19698141 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	84%		WC2449
Total Lead	<12mg/kg dw		MB0135
TCL Volatiles by EPA Method 8260			
Chloromethane	<36ug/kg dw	05	VM1975
Bromomethane	<36ug/kg dw	05	VM1975
Vinyl Chloride	<24ug/kg dw	05	VM1975
Chloroethane	<36ug/kg dw	05	VM1975
Methylene Chloride	160ug/kg dw	44	VM1975
Acetone	210ug/kg dw	44	VM1975
Carbon Disulfide	<36ug/kg dw	05	VM1975
1,1-Dichloroethene	<36ug/kg dw	05	VM1975
1,1-Dichloroethane	<36ug/kg dw	05	VM1975
trans-1,2-Dichloroethene	<36ug/kg dw	05	VM1975
cis-1,2-Dichloroethene	<36ug/kg dw	05	VM1975
Chloroform	<36ug/kg dw	05	VM1975
1,2-Dichloroethane	<36ug/kg dw	05	VM1975
2-Butanone	<120ug/kg dw	05	VM1975
1,1,1-Trichloroethane	<36ug/kg dw	05	VM1975
Carbon Tetrachloride	<36ug/kg dw	05	VM1975
Bromodichloromethane	<36ug/kg dw	05	VM1975
1,2-Dichloropropane	<36ug/kg dw	05	VM1975
cis-1,3-Dichloropropene	<36ug/kg dw	05	VM1975
Trichloroethene	<36ug/kg dw	05	VM1975
Dibromochloromethane	<36ug/kg dw	05	VM1975
1,1,2-Trichloroethane	<36ug/kg dw	05	VM1975
Benzene	<36ug/kg dw	05	VM1975
trans-1,3-Dichloropropene	<36ug/kg dw	05	VM1975
Bromoform	<36ug/kg dw	05	VM1975
4-Methyl-2-pentanone	<120ug/kg dw	05	VM1975
2-Hexanone	<120ug/kg dw	05	VM1975
Tetrachloroethene	<36ug/kg dw	05	VM1975
1,1,2,2-Tetrachloroethane	<36ug/kg dw	05	VM1975
Toluene	<36ug/kg dw	05	VM1975
Chlorobenzene	<36ug/kg dw	05	VM1975
Ethylbenzene	71ug/kg dw		VM1975
Styrene	<36ug/kg dw	05	VM1975
m-Xylene and p-Xylene	300ug/kg dw		VM1975
o-Xylene	<36ug/kg dw	05	VM1975

dw = Dry weight

DATE: 07/22/98

Upstate Laboratories, Inc. APPROVAL: QJS
Analysis Results QC: JT
Report Number: 19698140 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-9 1155H 07/15/98 G

ULI I.D.: 19698142 Matrix: Soil

	PARAMETERS	RESULTS	KEY	FILE#
	Percent Solids	86%		WC2449
Total	Lead	17mg/kg dw		MB0135
	TCL Volatiles by EPA Method 8260			
	Chloromethane	<3ug/kg dw		VM1975
	Bromomethane	<3ug/kg dw		VM1975
	Vinyl Chloride	<2ug/kg dw		VM1975
	Chloroethane	<3ug/kg dw		VM1975
	Methylene Chloride	11ug/kg dw	44	VM1975
	Acetone	29ug/kg dw	44	VM1975
	Carbon Disulfide	<3ug/kg dw		VM1975
	1,1-Dichloroethene	<3ug/kg dw		VM1975
	1,1-Dichloroethane	<3ug/kg dw		VM1975
	trans-1,2-Dichloroethene	<3ug/kg dw		VM1975
	cis-1,2-Dichloroethene	<3ug/kg dw		VM1975
	Chloroform	<3ug/kg dw		VM1975
	1,2-Dichloroethane	<3ug/kg dw		VM1975
	2-Butanone	<12ug/kg dw		VM1975
	1,1,1-Trichloroethane	<3ug/kg dw		VM1975
	Carbon Tetrachloride	<3ug/kg dw		VM1975
	Bromodichloromethane	<3ug/kg dw		VM1975
	1,2-Dichloropropane	<3ug/kg dw		VM1975
	cis-1,3-Dichloropropene	<3ug/kg dw		VM1975
	Trichloroethene	<3ug/kg dw		VM1975
	Dibromochloromethane	<3ug/kg dw		VM1975
	1,1,2-Trichloroethane	<3ug/kg dw		VM1975
	Benzene	<3ug/kg dw		VM1975
	trans-1,3-Dichloropropene	<3ug/kg dw		VM1975
	Bromoform	<3ug/kg dw		VM1975
	4-Methyl-2-pentanone	<12ug/kg dw		VM1975
	2-Hexanone	<12ug/kg dw		VM1975
	Tetrachloroethene	<3ug/kg dw		VM1975
	1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1975
	Toluene	<3ug/kg dw		VM1975
	Chlorobenzene	<3ug/kg dw		VM1975
	Ethylbenzene	<3ug/kg dw		VM1975
	Styrene	<3ug/kg dw		VM1975
	m-Xylene and p-Xylene	<3ug/kg dw		VM1975
	o-Xylene	<3ug/kg dw		VM1975

dw = Dry weight

DATE: 07/22/98

Upstate Laboratories, Inc. APPROVAL: QS
Analysis Results QC: JT
Report Number: 19698140 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-10 1115H 07/15/98 G

ULI I.D.: 19698143 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	89%		WC2449
Total Lead	12mg/kg dw		MB0135
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1975
Bromomethane	<3ug/kg dw		VM1975
Vinyl Chloride	<2ug/kg dw		VM1975
Chloroethane	<3ug/kg dw		VM1975
Methylene Chloride	22ug/kg dw	44	VM1975
Acetone	40ug/kg dw	44	VM1975
Carbon Disulfide	<3ug/kg dw		VM1975
1,1-Dichloroethene	<3ug/kg dw		VM1975
1,1-Dichloroethane	<3ug/kg dw		VM1975
trans-1,2-Dichloroethene	<3ug/kg dw		VM1975
cis-1,2-Dichloroethene	<3ug/kg dw		VM1975
Chloroform	<3ug/kg dw		VM1975
1,2-Dichloroethane	<3ug/kg dw		VM1975
2-Butanone	<11ug/kg dw		VM1975
1,1,1-Trichloroethane	<3ug/kg dw		VM1975
Carbon Tetrachloride	<3ug/kg dw		VM1975
Bromodichloromethane	<3ug/kg dw		VM1975
1,2-Dichloropropane	<3ug/kg dw		VM1975
cis-1,3-Dichloropropene	<3ug/kg dw		VM1975
Trichloroethene	<3ug/kg dw		VM1975
Dibromochloromethane	<3ug/kg dw		VM1975
1,1,2-Trichloroethane	<3ug/kg dw		VM1975
Benzene	<3ug/kg dw		VM1975
trans-1,3-Dichloropropene	<3ug/kg dw		VM1975
Bromoform	<3ug/kg dw		VM1975
4-Methyl-2-pentanone	<11ug/kg dw		VM1975
2-Hexanone	<11ug/kg dw		VM1975
Tetrachloroethene	<3ug/kg dw		VM1975
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1975
Toluene	<3ug/kg dw		VM1975
Chlorobenzene	<3ug/kg dw		VM1975
Ethylbenzene	<3ug/kg dw		VM1975
Styrene	<3ug/kg dw		VM1975
m-Xylene and p-Xylene	<3ug/kg dw		VM1975
o-Xylene	<3ug/kg dw		VM1975

dw = Dry weight

DATE: 07/22/98

Upstate Laboratories, Inc. APPROVAL: QS
Analysis Results QC: JT
Report Number: 19698140 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-7 1245H 07/15/98 G

ULI I.D.: 19698144 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/l		VM1979
Bromomethane	<3ug/l		VM1979
Vinyl Chloride	<2ug/l		VM1979
Chloroethane	<3ug/l		VM1979
Methylene Chloride	17ug/l	44	VM1979
Acetone	<10ug/l		VM1979
Carbon Disulfide	<3ug/l		VM1979
1,1-Dichloroethene	<3ug/l		VM1979
1,1-Dichloroethane	<3ug/l		VM1979
trans-1,2-Dichloroethene	<3ug/l		VM1979
cis-1,2-Dichloroethene	<3ug/l		VM1979
Chloroform	<3ug/l		VM1979
1,2-Dichloroethane	<3ug/l		VM1979
2-Butanone	<10ug/l		VM1979
1,1,1-Trichloroethane	<3ug/l		VM1979
Carbon Tetrachloride	<3ug/l		VM1979
Bromodichloromethane	<3ug/l		VM1979
1,2-Dichloropropane	<3ug/l		VM1979
cis-1,3-Dichloropropene	<3ug/l		VM1979
Trichloroethene	<3ug/l		VM1979
Dibromochloromethane	<3ug/l		VM1979
1,1,2-Trichloroethane	<3ug/l		VM1979
Benzene	<3ug/l		VM1979
trans-1,3-Dichloropropene	<3ug/l		VM1979
Bromoform	<3ug/l		VM1979
4-Methyl-2-pentanone	<10ug/l		VM1979
2-Hexanone	<10ug/l		VM1979
Tetrachloroethene	<3ug/l		VM1979
1,1,2,2-Tetrachloroethane	<3ug/l		VM1979
Toluene	4ug/l		VM1979
Chlorobenzene	<3ug/l		VM1979
Ethylbenzene	<3ug/l		VM1979
Styrene	<3ug/l		VM1979
m-Xylene and p-Xylene	<3ug/l		VM1979
o-Xylene	<3ug/l		VM1979

DATE: 07/22/98

Upstate Laboratories, Inc. APPROVAL: QJS
Analysis Results QC: ST
Report Number: 19698140 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-9 1155H 07/15/98 G

ULI I.D.: 19698145 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/l		VM1979
Bromomethane	<3ug/l		VM1979
Vinyl Chloride	<2ug/l		VM1979
Chloroethane	<3ug/l		VM1979
Methylene Chloride	14ug/l	44	VM1979
Acetone	<10ug/l		VM1979
Carbon Disulfide	<3ug/l		VM1979
1,1-Dichloroethene	<3ug/l		VM1979
1,1-Dichloroethane	<3ug/l		VM1979
trans-1,2-Dichloroethene	<3ug/l		VM1979
cis-1,2-Dichloroethene	<3ug/l		VM1979
Chloroform	<3ug/l		VM1979
1,2-Dichloroethane	<3ug/l		VM1979
2-Butanone	<10ug/l		VM1979
1,1,1-Trichloroethane	<3ug/l		VM1979
Carbon Tetrachloride	<3ug/l		VM1979
Bromodichloromethane	<3ug/l		VM1979
1,2-Dichloropropane	<3ug/l		VM1979
cis-1,3-Dichloropropene	<3ug/l		VM1979
Trichloroethene	<3ug/l		VM1979
Dibromochloromethane	<3ug/l		VM1979
1,1,2-Trichloroethane	<3ug/l		VM1979
Benzene	<3ug/l		VM1979
trans-1,3-Dichloropropene	<3ug/l		VM1979
Bromoform	<3ug/l		VM1979
4-Methyl-2-pentanone	<10ug/l		VM1979
2-Hexanone	<10ug/l		VM1979
Tetrachloroethene	<3ug/l		VM1979
1,1,2,2-Tetrachloroethane	<3ug/l		VM1979
Toluene	5ug/l		VM1979
Chlorobenzene	<3ug/l		VM1979
Ethylbenzene	<3ug/l		VM1979
Styrene	<3ug/l		VM1979
m-Xylene and p-Xylene	3ug/l		VM1979
o-Xylene	<3ug/l		VM1979

DATE: 07/30/98

Upstate Laboratories, Inc. APPROVAL: QS
Analysis Results QC: JT
Report Number: 20198158 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-11 1320H 07/15/98 G

ULI I.D.: 20198158 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	84%		WC2521
Total Lead	13mg/kg dw		MB0176
TCL Volatiles by EPA Method 8260			
Chloromethane	<4ug/kg dw		VM1995
Bromomethane	<4ug/kg dw		VM1995
Vinyl Chloride	<2ug/kg dw		VM1995
Chloroethane	<4ug/kg dw		VM1995
Methylene Chloride	<4ug/kg dw		VM1995
Acetone	<12ug/kg dw		VM1995
Carbon Disulfide	<4ug/kg dw		VM1995
1,1-Dichloroethene	<4ug/kg dw		VM1995
1,1-Dichloroethane	<4ug/kg dw		VM1995
trans-1,2-Dichloroethene	<4ug/kg dw		VM1995
cis-1,2-Dichloroethene	<4ug/kg dw		VM1995
Chloroform	<4ug/kg dw		VM1995
1,2-Dichloroethane	<4ug/kg dw		VM1995
2-Butanone	<12ug/kg dw		VM1995
1,1,1-Trichloroethane	<4ug/kg dw		VM1995
Carbon Tetrachloride	<4ug/kg dw		VM1995
Bromodichloromethane	<4ug/kg dw		VM1995
1,2-Dichloropropane	<4ug/kg dw		VM1995
cis-1,3-Dichloropropene	<4ug/kg dw		VM1995
Trichloroethene	<4ug/kg dw		VM1995
Dibromochloromethane	<4ug/kg dw		VM1995
1,1,2-Trichloroethane	<4ug/kg dw		VM1995
Benzene	<4ug/kg dw		VM1995
trans-1,3-Dichloropropene	<4ug/kg dw		VM1995
Bromoform	<4ug/kg dw		VM1995
4-Methyl-2-pentanone	<12ug/kg dw		VM1995
2-Hexanone	<12ug/kg dw		VM1995
Tetrachloroethene	<4ug/kg dw		VM1995
1,1,2,2-Tetrachloroethane	<4ug/kg dw		VM1995
Toluene	8ug/kg dw		VM1995
Chlorobenzene	<4ug/kg dw		VM1995
Ethylbenzene	320ug/kg dw		VM1995
Styrene	<4ug/kg dw		VM1995
m-Xylene and p-Xylene	1100ug/kg dw		VM1995
o-Xylene	12ug/kg dw		VM1995

dw = Dry weight

DATE: 07/30/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 20198158
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client

APPROVAL: QS
QC: JT
Lab I.D.: 10170

SB-11 1320H 07/15/98 G

ULI I.D.: 20198159 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/l		VM1992
Bromomethane	<3ug/l		VM1992
Vinyl Chloride	<2ug/l		VM1992
Chloroethane	<3ug/l		VM1992
Methylene Chloride	<3ug/l		VM1992
Acetone	<10ug/l		VM1992
Carbon Disulfide	<3ug/l		VM1992
1,1-Dichloroethene	<3ug/l		VM1992
1,1-Dichloroethane	<3ug/l		VM1992
trans-1,2-Dichloroethene	<3ug/l		VM1992
cis-1,2-Dichloroethene	<3ug/l		VM1992
Chloroform	<3ug/l		VM1992
1,2-Dichloroethane	<3ug/l		VM1992
2-Butanone	<10ug/l		VM1992
1,1,1-Trichloroethane	<3ug/l		VM1992
Carbon Tetrachloride	<3ug/l		VM1992
Bromodichloromethane	<3ug/l		VM1992
1,2-Dichloropropane	<3ug/l		VM1992
cis-1,3-Dichloropropene	<3ug/l		VM1992
Trichloroethene	<3ug/l		VM1992
Dibromochloromethane	<3ug/l		VM1992
1,1,2-Trichloroethane	<3ug/l		VM1992
Benzene	3ug/l		VM1992
trans-1,3-Dichloropropene	<3ug/l		VM1992
Bromoform	<3ug/l		VM1992
4-Methyl-2-pentanone	<10ug/l		VM1992
2-Hexanone	<10ug/l		VM1992
Tetrachloroethene	<3ug/l		VM1992
1,1,2,2-Tetrachloroethane	<3ug/l		VM1992
Toluene	7ug/l		VM1992
Chlorobenzene	<3ug/l		VM1992
Ethylbenzene	320ug/l		VM1992
Styrene	<3ug/l		VM1992
m-Xylene and p-Xylene	770ug/l		VM1992
o-Xylene	9ug/l		VM1992

DATE: 07/30/98

Upstate Laboratories, Inc. APPROVAL: QS
Analysis Results QC: JT
Report Number: 20198158 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client SB-12 1515H 07/15/98 G

ULI I.D.: 20198160 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	88%		WC2520
Total Lead	<11mg/kg dw		MB0176
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1995
Bromomethane	<3ug/kg dw		VM1995
Vinyl Chloride	<2ug/kg dw		VM1995
Chloroethane	<3ug/kg dw		VM1995
Methylene Chloride	6ug/kg dw	44	VM1995
Acetone	<11ug/kg dw		VM1995
Carbon Disulfide	<3ug/kg dw		VM1995
1,1-Dichloroethene	<3ug/kg dw		VM1995
1,1-Dichloroethane	<3ug/kg dw		VM1995
trans-1,2-Dichloroethene	<3ug/kg dw		VM1995
cis-1,2-Dichloroethene	<3ug/kg dw		VM1995
Chloroform	<3ug/kg dw		VM1995
1,2-Dichloroethane	<3ug/kg dw		VM1995
2-Butanone	<11ug/kg dw		VM1995
1,1,1-Trichloroethane	<3ug/kg dw		VM1995
Carbon Tetrachloride	<3ug/kg dw		VM1995
Bromodichloromethane	<3ug/kg dw		VM1995
1,2-Dichloropropane	<3ug/kg dw		VM1995
cis-1,3-Dichloropropene	<3ug/kg dw		VM1995
Trichloroethene	<3ug/kg dw		VM1995
Dibromochloromethane	<3ug/kg dw		VM1995
1,1,2-Trichloroethane	<3ug/kg dw		VM1995
Benzene	<3ug/kg dw		VM1995
trans-1,3-Dichloropropene	<3ug/kg dw		VM1995
Bromoform	<3ug/kg dw		VM1995
4-Methyl-2-pentanone	<11ug/kg dw		VM1995
2-Hexanone	<11ug/kg dw		VM1995
Tetrachloroethene	<3ug/kg dw		VM1995
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1995
Toluene	<3ug/kg dw		VM1995
Chlorobenzene	<3ug/kg dw		VM1995
Ethylbenzene	<3ug/kg dw		VM1995
Styrene	<3ug/kg dw		VM1995
m-Xylene and p-Xylene	<3ug/kg dw		VM1995
o-Xylene	<3ug/kg dw		VM1995

dw = Dry weight

DATE: 09/14/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 23198043
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client

APPROVAL: QS
QC: JF
Lab I.D. 10170
MW-112 8-10 0740H 08/19/98 G

ULI I.D.: 23698093 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	82%		WC2940
Petroleum, EPA Method 8021			
Benzene	<4ug/kg dw	01	VA3851
Ethylbenzene	<4ug/kg dw	01	VA3851
Toluene	<4ug/kg dw	01	VA3851
m-Xylene and p-Xylene	<4ug/kg dw	01	VA3851
o-Xylene	<4ug/kg dw	01	VA3851
Isopropylbenzene	<4ug/kg dw	01	VA3851
n-Propylbenzene	<4ug/kg dw	01	VA3851
p-Isopropyltoluene	<4ug/kg dw	01	VA3851
1,2,4-Trimethylbenzene	<4ug/kg dw	01	VA3851
1,3,5-Trimethylbenzene	<4ug/kg dw	01	VA3851
n-Butylbenzene	<4ug/kg dw	01	VA3851
sec-Butylbenzene	<4ug/kg dw	01	VA3851
t-Butylbenzene	<4ug/kg dw	01	VA3851
Naphthalene	<4ug/kg dw	01	VA3851
MTBE	<61ug/kg dw	01	VA3851
TOC	1766mg/kg		SC0001

dw = Dry weight

DATE: 09/14/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 23198043
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client

APPROVAL: AJS
QC: JT JT
Lab I.D.: 10170
MW-113 6-8 0930H 08/19/98 G

ULI I.D.: 23698094
Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	84%		WC2940
Petroleum, EPA Method 8021			
Benzene	7ug/kg dw		VA3848
Ethylbenzene	45ug/kg dw		VA3848
Toluene	10ug/kg dw		VA3848
m-Xylene and p-Xylene	13ug/kg dw		VA3848
o-Xylene	3ug/kg dw		VA3848
Isopropylbenzene	13ug/kg dw		VA3848
n-Propylbenzene	37ug/kg dw		VA3848
p-Isopropyltoluene	<2ug/kg dw		VA3848
1,2,4-Trimethylbenzene	13ug/kg dw		VA3848
1,3,5-Trimethylbenzene	28ug/kg dw		VA3848
n-Butylbenzene	51ug/kg dw		VA3848
sec-Butylbenzene	7ug/kg dw		VA3848
t-Butylbenzene	<2ug/kg dw		VA3848
Naphthalene	<2ug/kg dw		VA3848
MTBE	<24ug/kg dw		VA3848

dw = Dry weight

DATE: 09/14/98

Upstate Laboratories, Inc. APPROVAL: OJS
Analysis Results QC: JF JG
Report Number: 23198043 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client MW-114 8-10 1148H 08/19/98 G

ULI I.D.: 23698095 Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	88%		WC2940
Petroleum, EPA Method 8021			
Benzene	<2ug/kg dw		VA3848
Ethylbenzene	<2ug/kg dw		VA3848
Toluene	<2ug/kg dw		VA3848
m-Xylene and p-Xylene	<2ug/kg dw		VA3848
o-Xylene	<2ug/kg dw		VA3848
Isopropylbenzene	<2ug/kg dw		VA3848
n-Propylbenzene	<2ug/kg dw		VA3848
p-Isopropyltoluene	<2ug/kg dw		VA3848
1,2,4-Trimethylbenzene	<2ug/kg dw		VA3848
1,3,5-Trimethylbenzene	<2ug/kg dw		VA3848
n-Butylbenzene	4ug/kg dw		VA3848
sec-Butylbenzene	<2ug/kg dw		VA3848
t-Butylbenzene	<2ug/kg dw		VA3848
Naphthalene	<2ug/kg dw		VA3848
MTBE	<23ug/kg dw		VA3848

dw = Dry weight

DATE: 09/14/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 23198043
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client

APPROVAL: AJS
QC: JT JG
Lab I.D.: 10170
MW-114 1445H 08/20/98 G

ULI I.D.: 23698100 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
Petroleum, EPA Method 8021			
Benzene	<0.5ug/l		VA3848
Ethylbenzene	<0.5ug/l		VA3848
Toluene	<0.5ug/l		VA3848
m-Xylene and p-Xylene	<0.5ug/l		VA3848
o-Xylene	<0.5ug/l		VA3848
Isopropylbenzene	<0.5ug/l		VA3848
n-Propylbenzene	<0.5ug/l		VA3848
p-Isopropyltoluene	1ug/l		VA3848
1,2,4-Trimethylbenzene	<0.5ug/l		VA3848
1,3,5-Trimethylbenzene	<0.5ug/l		VA3848
n-Butylbenzene	4ug/l		VA3848
sec-Butylbenzene	0.9ug/l		VA3848
t-Butylbenzene	<0.5ug/l		VA3848
Naphthalene	<0.5ug/l		VA3848
MTBE	<10ug/l		VA3848

DATE: 09/14/98

Upstate Laboratories, Inc. APPROVAL: GJS
Analysis Results QC: JT
Report Number: 23198043 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client MW-112 1427H 08/20/98 G

ULI I.D.: 23698098 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
Petroleum, EPA Method 8021			
Benzene	0.6ug/l		VA3848
Ethylbenzene	0.7ug/l		VA3848
Toluene	2ug/l		VA3848
m-Xylene and p-Xylene	3ug/l		VA3848
o-Xylene	0.9ug/l		VA3848
Isopropylbenzene	<0.5ug/l		VA3848
n-Propylbenzene	<0.5ug/l		VA3848
p-Isopropyltoluene	<0.5ug/l		VA3848
1,2,4-Trimethylbenzene	1ug/l		VA3848
1,3,5-Trimethylbenzene	<0.5ug/l		VA3848
n-Butylbenzene	<0.5ug/l		VA3848
sec-Butylbenzene	<0.5ug/l		VA3848
t-Butylbenzene	<0.5ug/l		VA3848
Naphthalene	<0.5ug/l		VA3848
MTBE	<10ug/l		VA3848

DATE: 09/14/98

Upstate Laboratories, Inc. APPROVAL: AJS
Analysis Results QC: ST
Report Number: 23198043 Lab I.D.: 10170
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT 98009 PERRY
Sampled by: Client MW-113 1435H 08/20/98 G

ULI I.D.: 23698099 Matrix: Water

PARAMETERS	RESULTS	KEY	FILE#
Petroleum, EPA Method 8021			
Benzene	2ug/l		VA3848
Ethylbenzene	<0.5ug/l		VA3848
Toluene	0.5ug/l		VA3848
m-Xylene and p-Xylene	<0.5ug/l		VA3848
o-Xylene	<0.5ug/l		VA3848
Isopropylbenzene	<0.5ug/l		VA3848
n-Propylbenzene	<0.5ug/l		VA3848
p-Isopropyltoluene	2ug/l		VA3848
1,2,4-Trimethylbenzene	<0.5ug/l		VA3848
1,3,5-Trimethylbenzene	<0.5ug/l		VA3848
n-Butylbenzene	<0.5ug/l		VA3848
sec-Butylbenzene	<0.5ug/l		VA3848
t-Butylbenzene	<0.5ug/l		VA3848
Naphthalene	<0.5ug/l		VA3848
MTBE	<10ug/l		VA3848

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 MATRIX INTERFERENCE
3 PRESENT IN BLANK
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
10 ADL(AVERAGE DETECTION LIMITS)
11 PQL(PRACTICAL QUANTITATION LIMITS)
12 SAMPLE ANALYZED OVER HOLDING TIME
13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM THE FILTERING PROCEDURE
14 SAMPLED BY ULI
15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE WITHIN EXPERIMENTAL ERROR
16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
18 THE SERIAL DILUTION OF THIS SAMPLE SUGGESTS A POSSIBLE PHYSICAL AND/OR CHEMICAL INTERFERENT IN THIS DETERMINATION. THE DATA MAY BE BIASED EITHER HIGH OR LOW.
19 CALCULATION BASED ON DRY WEIGHT
20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION LIMITS
21 UG/KG AS REC.D / UG/KG DRY WT
22 MG/KG AS REC.D / MG/KG DRY WT
23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
24 SAMPLE DILUTED/BLANK CORRECTED
25 ND(NON-DETECTED)
26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
29 ANALYZED BY METHOD OF STANDARD ADDITIONS
30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
33 NON-POTABLE WATER SOURCE
34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF 1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON PETROLEUM DISTILLATES
36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS) PER DAY OF CL2
39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS) PER DAY LAS
41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20, CREATING A THEORETICAL TCLP VALUE
43 METAL BY CONCENTRATION PROCEDURE
44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

...bCorp
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...d, Virginia 23260
...hone: 800-888-8061

Group No. C310091
Account No. 37809210
Report Date: 11/17/98

...ZBUR
...A ENVIRONMENTAL CONSULTANTS INC

...8 MT. ROYAL BLVD SUITE 225-GAMMA
...LISON PARK, PA 15101

Final Report

Date Received: 11/06/98 17:03
Sample Type: 2 - Soil Sample(s); 20 - Water Sample(s)
Project: 98009 CHAMPION PERRY PO Number: SPECIAL PRICES

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
013	MW-112 Sample Date: 11/05/98 10:30				
	Volatile Organics in Water by GC				
	1,2,4-Trimethylbenzene	3.23 ug/L	1	CM	11/12/98 11:00
	1,3,5-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Benzene	< 1 ug/L	1	CM	11/12/98 11:00
	Ethylbenzene	3.10 ug/L	1	CM	11/12/98 11:00
	Isopropylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	M,P-Xylene	2.13 ug/L	1	CM	11/12/98 11:00
	Methyl-t-butyl ether	< 1 ug/L	1	CM	11/12/98 11:00
	N-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	N-Propylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Naphthalene	1.28 ug/L	1	CM	11/12/98 11:00
	O-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Sec-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Toluene	< 1 ug/L	1	CM	11/12/98 11:00
014	MW-113 Sample Date: 11/05/98 10:40				
	Volatile Organics in Water by GC				
	1,2,4-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	1,3,5-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Benzene	10.1 ug/L	1	CM	11/12/98 11:00
	Ethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Isopropylbenzene	< 1 ug/L	1	CM	11/12/98 11:00

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STEVE ZBUR
DELTA ENVIRONMENTAL CONSULTANTS INC

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Final Report

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Project: 98009 CHAMPION PERRY PO Number: SPECIAL PRICES

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-014	MW-113 Sample Date: 11/05/98 10:40				
	M,P-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Methyl-t-butyl ether	< 1 ug/L	1	CM	11/12/98 11:00
	N-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	N-Propylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Naphthalene	< 1 ug/L	1	CM	11/12/98 11:00
	O-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Sec-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Toluene	< 1 ug/L	1	CM	11/12/98 11:00
-015	MW-114 Sample Date: 11/05/98 11:05				
	Volatile Organics in Water by GC				
	1,2,4-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	1,3,5-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Benzene	< 1 ug/L	1	CM	11/12/98 11:00
	Ethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Isopropylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	M,P-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Methyl-t-butyl ether	< 1 ug/L	1	CM	11/12/98 11:00
	N-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	N-Propylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Naphthalene	< 1 ug/L	1	CM	11/12/98 11:00
	O-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Sec-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00

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Final Report

Date Received: 11/06/98 17:03
Sample Type: 2 - Soil Sample(s); 20 - Water Sample(s)
Project: 98009 CHAMPION PERRY PO Number: SPECIAL PRICES

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-015	MW-114 Sample Date: 11/05/98 11:05				
	Toluene	< 1 ug/L	1	CM	11/12/98 11:00
-016	MW-115 Sample Date: 11/05/98 12:30				
	Volatile Organics in Water by GC				
	1,2,4-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	1,3,5-Trimethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Benzene	< 1 ug/L	1	CM	11/12/98 11:00
	Ethylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Isopropylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	M,P-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Methyl-t-butyl ether	< 1 ug/L	1	CM	11/12/98 11:00
	N-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	N-Propylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Naphthalene	< 1 ug/L	1	CM	11/12/98 11:00
	O-Xylene	< 1 ug/L	1	CM	11/12/98 11:00
	Sec-Butylbenzene	< 1 ug/L	1	CM	11/12/98 11:00
	Toluene	< 1 ug/L	1	CM	11/12/98 11:00
-017	MW-201 Sample Date: 11/05/98 10:15				
	8260 Volatile Organics				
	1,1 Dichloroethane	< 1 ug/L	1	RAP	11/11/98 13:15