

**Summary of
Phase II Environmental Assessment**

Champion Products Company
Perry, NY

Delta Project No. S098-009



4068 Mt. Royal Boulevard
Suite 225-Gamma
Allison Park, Pennsylvania 15101-2951
USA
412/487-7700
FAX: 412/487-9785

June 10, 1998

Kilpatrick Stockton LLP
Suite 2800
1100 Peachtree Street
Atlanta, Georgia 30309-4530

Attention: Mr. J. Stephen Shi

Subject: **Results of Phase II Environmental Assessment**
Champion Products Company
Perry, NY
Delta Project No. S098-009-2.0012


Dear Mr. Shi:

The purpose of this letter is to provide a summary of the results of the Phase II Environmental Assessment (Phase II) conducted at the referenced site on May 27, 1998. The Phase II assessment included the collection and analysis of 6 soil and 2 ground water samples. Each sample was analyzed for the constituents identified in our Workplan dated May 24, 1998, and the results were compared to the State of New York Department of Environmental Conservation action levels.

If you have any questions regarding the contents of this summary of results, please contact me at (800) 616-8384.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



Patrick J. Haller, P.E.
Project Engineer

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Table 1: Analytical Results

FIGURE

Figure 1: Site Map

APPENDICES

Appendix A: Laboratory Analytical Results

**Summary of
Phase II Environmental Assessment**

Champion Products Company
Perry, NY

June 10, 1998
Delta Project No. S098-441-02

1.0 BACKGROUND INFORMATION

In October 1997, Delta was retained by Sara Lee Corporation to perform a Phase I Environmental Site Assessment (Phase I) at the referenced site. This work was performed in accordance with the scope and limitations of ASTM Standard E1527-97. The purpose of the Phase I was to document current site conditions and determine areas of environmental concern for the site and/or surrounding properties.

Based upon the results of the Phase I, the following findings were identified:

- Frontage Road Property: The property along North Main Street was identified by personnel familiar with the historical uses of the site as being a gasoline station and/or garage. Site conditions indicate the presence of an old concrete pad typical of service stations and garages. The potential for historical release had not been established.
- Screen Wash Collection Vault: The concrete vault collects solvent from the screen washing process. The potential for historical releases from this vault had not been established.

A Phase II Environmental Assessment (Phase II) was conducted on May 27, 1998 and focused on the above findings. The Phase II was conducted to evaluate soil and groundwater quality with respect to appropriate New York Department of Environmental Conservation (NY DEC) action levels.

2.0 PHASE II ENVIRONMENTAL ASSESSMENT

2.1 Scope of Work

The following Phase II activities were performed:

- Six (6) Geoprobe borings were advanced to a depth of 12 to 20 feet.
- Six (6) soil samples were obtained to evaluate soil quality with respect to NY DEC action levels.
- Two ground water samples were obtained to evaluate water quality with respect to NY DEC action level.
- Samples were submitted to Upstate Laboratories, Inc. of New York for analysis.

2.2 Soil Borings

Groundwater and/or soil samples were obtained from the locations, as summarized below:

- Screen Wash Collection Pit: Two soil and one groundwater samples were obtained from this area. Soil boring SB-5 was advanced to 12 feet bgs northeast of the tank vault. Soil boring SB-6 was advanced to 12 feet bgs at the southwest corner of the tank vault. Two soil samples were collected from each boring at the interval of 8 to 12 feet bgs. Samples were submitted to Upstate Laboratories for analysis of volatile organic compounds (VOCs) using EPA method 8260. Boring locations are shown in Figure 1, Site Plan.

- **Frontage Road Property:** Four soil borings (SB-1, SB-2, SB-3, and SB-4) were advanced adjacent to the existing concrete pad, as illustrated in Figure 1. Four soil samples and one groundwater sample were obtained from the soil borings in order to evaluate the potential for releases associated with historical handling of petroleum products. Soil borings SB-1, SB-2, and SB-4 were advanced to 12 feet bgs. Soil boring SB-3 was advanced to 20 feet bgs. The additional boring depth for SB-3 was performed in order to obtain a ground water sample. Samples were submitted to Upstate Laboratories to be analyzed for VOCs and lead using EPA method 8260. A copy of the analytical results is presented as Appendix A.

2.3 Results

The Geoprobe borings were advanced to a depth of 12 to 20 feet bgs. Continuous macrocore soil sampling was performed with the Geoprobe to characterize the shallow subsurface stratigraphy and to field-screen the soil using an organic vapor monitor (OVM). The soil samples screened were below detectable levels using the OVM.

The subsurface stratigraphy consists of backfill material from grade to approximately one foot below grade surface (bgs). The backfill is underlain by silt with trace clay to approximately 7 feet bgs, which is underlain by a thin veneer of fine sand and gravel, indicative of glacial till. Bedrock was not encountered in any of the borings. Ground water was encountered at approximately 18 feet in SB-3 and at 10 feet in SB-6.

The soil analytical results, as summarized in Table 1, indicate the presence of the following VOCs: methylene chloride, acetone, 1,1,1-trichloroethane (TCA) and tetrachloroethene (PCE). The detection of methylene chloride and acetone are considered laboratory artifacts. The reported concentrations of TCA and PCE were detected in SB-4 soils at 17 micrograms per kilogram (ug/kg) and 8 ug/kg, respectively, which are below the soil quality standards of 760 ug/kg for TCA and 1400 ug/kg for PCE. A copy of the laboratory analytical report is attached.

The ground water analytical results, as summarized in Table 1, indicate the presence of the following VOCs: 1,1-dichloroethene, cis-1,2-dichloroethane, TCA, PCE, and toluene. The reported concentrations of cis-1,2-dichloroethane and toluene were detected in SB-6 ground water at 3 micrograms per liter (ug/l) which is below the NY DEC water quality standard of 5 ug/l for both constituents.

The reported concentrations of 1,1-dichloroethene, TCA, and PCE were detected in SB-6 ground water at 90 ug/l, 35 ug/l and 13 ug/l, respectively. These levels exceed the NY DEC water quality standard of 5 ug/l for the three constituents.

3.0 RECOMMENDATIONS

Based on the analytical results of VOCs in ground water above the NY DEC standards, further assessment is recommended for the area of the solvent tank vault. Also, through cursory conversations with the NY DEC, this is a regulation-required reportable incident. Delta recommends that this incident be reported to the NY DEC and a voluntary cleanup agreement be initiated.

The recommended assessment includes:

- Identifying the construction details of the vault.
- Identifying the historic uses of the vault, if different from current use.
- Determining the nature of fluid in the vault (i.e. percent water, material data).
- Removing the contents of the vault.
- Performing further soil and ground water quality investigations to determine the nature and extent of impact, including obtaining samples below the vault.


The soil and ground water quality investigation may involve soil borings and/or monitoring well installations.

4.0 REMARKS

The statements contained in this report represent our professional judgment and opinions. These opinions were arrived at in accordance with currently accepted industry and hydrogeologic practices. Other than this, there are no warranties implied or intended.

This report was prepared by:


DELTA ENVIRONMENTAL CONSULTANTS, INC.



Patrick J. Haller, P.E.
Project Engineer

6/10/98

Date



Stephen A. Zbur, P.G.
Senior Consultant

6/10/98

Date

TABLE 1

**ANALYTICAL RESULTS
PHASE II ENVIRONMENTAL ASSESSMENT**

Champion Products Company
Perry, New York

Delta Project No. S098-009-3.0013

Sample ID	Depth (feet)	Analyte						
		Methylene Chloride	Acetone	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Tetrachloroethene	Toluene
SOIL (ug/kg)								
SB-1	8-12	6	<11	<3	<3	<3	<3	<3
SB-2	8-12	8	<12	<4	<4	<4	<4	<4
SB-3	8-12	7	<11	<3	<3	<3	<3	<3
SB-4	8-12	8	21	<4	<4	17	8	<4
SB-5	8-12	7	<11	<3	<3	<3	<3	<3
SB-6	8-12	11	19	<3	<3	<3	<3	<3
Soil Quality Standard *		100	110	400	300	760	1400	1500
WATER (ug/l)								
SB-3		<3	<10	<3	<3	<3	<3	<3
SB-6		<3	<10	90	3	35	13	3
Water Quality Standard **		-	-	5	5	5	5	5

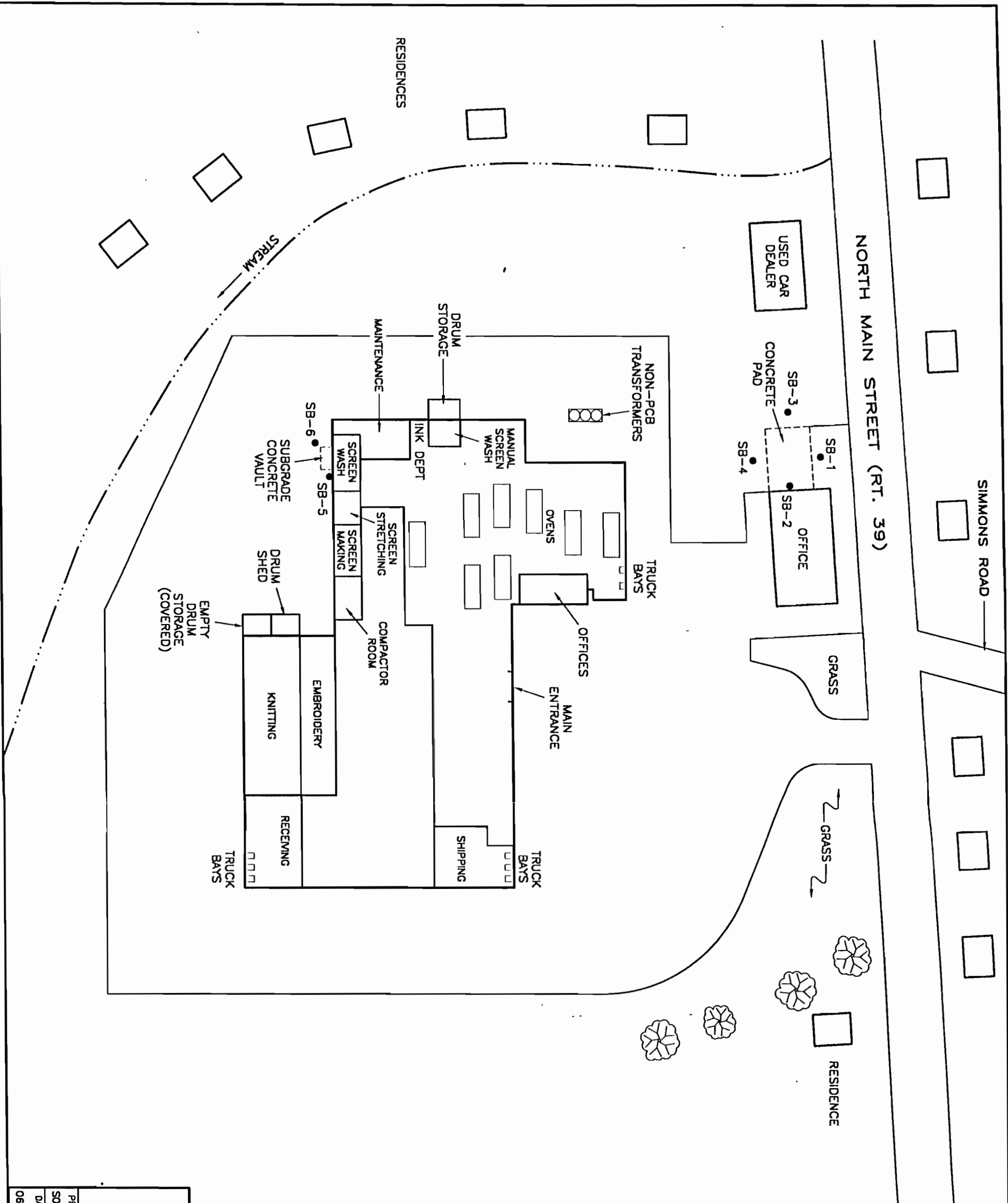
ug/kg = micrograms per kilogram

ug/l = micrograms per liter

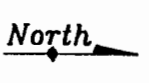
* Soil Quality Standard based upon NY DEC Soil Clean-up Objectives to Protect Ground Water

** Water Quality Standard, NY DEC, Division of Water, Section 703.5

Concentration exceeds water quality standard



LEGEND
 ● SB-1 SOIL BORING LOCATION



NOT TO SCALE

FIGURE 1
SITE MAP
CHAMPION PRODUCTS COMPANY
ROAD 2 & NORTH MAIN
PERRY, NEW YORK

PROJECT NO. S098-009	PREPARED BY PH	DRAWN BY DD	
DATE 06/09/98	REVIEWED BY	FILE NAME 980095M	

Delta
 Environmental
 Consultants, Inc.

JUN 10 1998

Upstate Laboratories inc.

Shipping: 5034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

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Rochester (716) 436-9070

New Jersey (201) 703-1324

June 8, 1998

Mr. Pat Haller
Unit Manager
Delta Environmental Consultants
4068 Mt. Royal Blvd.
Suite 225 - Gamma
Allison Park, PA 15101

Re: Analysis Report #14898071 - Perry NY

Dear Mr. Haller:

Please find enclosed the results for your samples which were received on May 28, 1998.

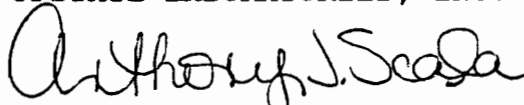
We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.



Anthony J. Scala
Director

AJS/lw

Enclosures: report, invoice

cc/encs: N. Scala, ULI
file

Note: Faxed results were given to your office on 6/5/98. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: *AS*

QC: *JT*

Lab I.D.: 10170

SB-1 8-12 1020H 05/27/98

ULI I.D.: 14898071

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	87%		WC1829
Total Lead	13mg/kg dw		MA9975
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1908
Bromomethane	<3ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<3ug/kg dw		VM1908
Methylene Chloride	6ug/kg dw	44	VM1908
Acetone	<11ug/kg dw		VM1908
Carbon Disulfide	<3ug/kg dw		VM1908
1,1-Dichloroethene	<3ug/kg dw		VM1908
1,1-Dichloroethane	<3ug/kg dw		VM1908
trans-1,2-Dichloroethene	<3ug/kg dw		VM1908
cis-1,2-Dichloroethene	<3ug/kg dw		VM1908
Chloroform	<3ug/kg dw		VM1908
1,2-Dichloroethane	<3ug/kg dw		VM1908
2-Butanone	<11ug/kg dw		VM1908
1,1,1-Trichloroethane	<3ug/kg dw		VM1908
Carbon Tetrachloride	<3ug/kg dw		VM1908
Bromodichloromethane	<3ug/kg dw		VM1908
1,2-Dichloropropane	<3ug/kg dw		VM1908
cis-1,3-Dichloropropene	<3ug/kg dw		VM1908
Trichloroethene	<3ug/kg dw		VM1908
Dibromochloromethane	<3ug/kg dw		VM1908
1,1,2-Trichloroethane	<3ug/kg dw		VM1908
Benzene	<3ug/kg dw		VM1908
trans-1,3-Dichloropropene	<3ug/kg dw		VM1908
Bromoform	<3ug/kg dw		VM1908
4-Methyl-2-pentanone	<11ug/kg dw		VM1908
2-Hexanone	<11ug/kg dw		VM1908
Tetrachloroethene	<3ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1908
Toluene	<3ug/kg dw		VM1908
Chlorobenzene	<3ug/kg dw		VM1908
Ethylbenzene	<3ug/kg dw		VM1908
Styrene	<3ug/kg dw		VM1908
m-Xylene and p-Xylene	<3ug/kg dw		VM1908
o-Xylene	<3ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 14898071
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client

APPROVAL: *QSS*
QC: *JT*
Lab I.D.: 10170

SB-2 8-12 1050H 05/27/98

ULI I.D.: 14898072

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	85%		WC1829
Total Lead	<13mg/kg dw		MA9975
TCL Volatiles by EPA Method 8260			
Chloromethane	<4ug/kg dw		VM1908
Bromomethane	<4ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<4ug/kg dw		VM1908
Methylene Chloride	8ug/kg dw	44	VM1908
Acetone	<12ug/kg dw		VM1908
Carbon Disulfide	<4ug/kg dw		VM1908
1,1-Dichloroethene	<4ug/kg dw		VM1908
1,1-Dichloroethane	<4ug/kg dw		VM1908
trans-1,2-Dichloroethene	<4ug/kg dw		VM1908
cis-1,2-Dichloroethene	<4ug/kg dw		VM1908
Chloroform	<4ug/kg dw		VM1908
1,2-Dichloroethane	<4ug/kg dw		VM1908
2-Butanone	<12ug/kg dw		VM1908
1,1,1-Trichloroethane	<4ug/kg dw		VM1908
Carbon Tetrachloride	<4ug/kg dw		VM1908
Bromodichloromethane	<4ug/kg dw		VM1908
1,2-Dichloropropane	<4ug/kg dw		VM1908
cis-1,3-Dichloropropene	<4ug/kg dw		VM1908
Trichloroethene	<4ug/kg dw		VM1908
Dibromochloromethane	<4ug/kg dw		VM1908
1,1,2-Trichloroethane	<4ug/kg dw		VM1908
Benzene	<4ug/kg dw		VM1908
trans-1,3-Dichloropropene	<4ug/kg dw		VM1908
Bromoform	<4ug/kg dw		VM1908
4-Methyl-2-pentanone	<12ug/kg dw		VM1908
2-Hexanone	<12ug/kg dw		VM1908
Tetrachloroethene	<4ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<4ug/kg dw		VM1908
Toluene	<4ug/kg dw		VM1908
Chlorobenzene	<4ug/kg dw		VM1908
Ethylbenzene	<4ug/kg dw		VM1908
Styrene	<4ug/kg dw		VM1908
m-Xylene and p-Xylene	<4ug/kg dw		VM1908
o-Xylene	<4ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: *AS*
QC: *ST*
Lab I.D.: 10170

SB-3 8-12 1125H 05/27/98

ULI I.D.: 14898073

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	87%		WC1829
Total Lead	<11mg/kg dw		MA9975
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1908
Bromomethane	<3ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<3ug/kg dw		VM1908
Methylene Chloride	7ug/kg dw	44	VM1908
Acetone	<11ug/kg dw		VM1908
Carbon Disulfide	<3ug/kg dw		VM1908
1,1-Dichloroethene	<3ug/kg dw		VM1908
1,1-Dichloroethane	<3ug/kg dw		VM1908
trans-1,2-Dichloroethene	<3ug/kg dw		VM1908
cis-1,2-Dichloroethene	<3ug/kg dw		VM1908
Chloroform	<3ug/kg dw		VM1908
1,2-Dichloroethane	<3ug/kg dw		VM1908
2-Butanone	<11ug/kg dw		VM1908
1,1,1-Trichloroethane	<3ug/kg dw		VM1908
Carbon Tetrachloride	<3ug/kg dw		VM1908
Bromodichloromethane	<3ug/kg dw		VM1908
1,2-Dichloropropane	<3ug/kg dw		VM1908
cis-1,3-Dichloropropene	<3ug/kg dw		VM1908
Trichloroethene	<3ug/kg dw		VM1908
Dibromochloromethane	<3ug/kg dw		VM1908
1,1,2-Trichloroethane	<3ug/kg dw		VM1908
Benzene	<3ug/kg dw		VM1908
trans-1,3-Dichloropropene	<3ug/kg dw		VM1908
Bromoform	<3ug/kg dw		VM1908
4-Methyl-2-pentanone	<11ug/kg dw		VM1908
2-Hexanone	<11ug/kg dw		VM1908
Tetrachloroethene	<3ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1908
Toluene	<3ug/kg dw		VM1908
Chlorobenzene	<3ug/kg dw		VM1908
Ethylbenzene	<3ug/kg dw		VM1908
Styrene	<3ug/kg dw		VM1908
m-Xylene and p-Xylene	<3ug/kg dw		VM1908
o-Xylene	<3ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: AS

QC: ST

Lab I.D.: 10170

SB-4 8-12 1105H 05/27/98

ULI I.D.: 14898074

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	85%		WC1830
Total Lead	<12mg/kg dw		MA9975

TCL Volatiles by EPA Method 8260

Chloromethane	<4ug/kg dw		VM1908
Bromomethane	<4ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<4ug/kg dw		VM1908
Methylene Chloride	8ug/kg dw	44	VM1908
Acetone	21ug/kg dw		VM1908
Carbon Disulfide	<4ug/kg dw		VM1908
1,1-Dichloroethene	<4ug/kg dw		VM1908
1,1-Dichloroethane	8ug/kg dw		VM1908
trans-1,2-Dichloroethene	<4ug/kg dw		VM1908
cis-1,2-Dichloroethene	<4ug/kg dw		VM1908
Chloroform	<4ug/kg dw		VM1908
1,2-Dichloroethane	<4ug/kg dw		VM1908
2-Butanone	<12ug/kg dw		VM1908
1,1,1-Trichloroethane	17ug/kg dw		VM1908
Carbon Tetrachloride	<4ug/kg dw		VM1908
Bromodichloromethane	<4ug/kg dw		VM1908
1,2-Dichloropropane	<4ug/kg dw		VM1908
cis-1,3-Dichloropropene	<4ug/kg dw		VM1908
Trichloroethene	<4ug/kg dw		VM1908
Dibromochloromethane	<4ug/kg dw		VM1908
1,1,2-Trichloroethane	<4ug/kg dw		VM1908
Benzene	<4ug/kg dw		VM1908
trans-1,3-Dichloropropene	<4ug/kg dw		VM1908
Bromoform	<4ug/kg dw		VM1908
4-Methyl-2-pentanone	<12ug/kg dw		VM1908
2-Hexanone	<12ug/kg dw		VM1908
Tetrachloroethene	8ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<4ug/kg dw		VM1908
Toluene	<4ug/kg dw		VM1908
Chlorobenzene	<4ug/kg dw		VM1908
Ethylbenzene	<4ug/kg dw		VM1908
Styrene	<4ug/kg dw		VM1908
m-Xylene and p-Xylene	<4ug/kg dw		VM1908
o-Xylene	<4ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.
Analysis Results
Report Number: 14898071
Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY
Sampled by: Client

APPROVAL: QSS
QC: JI
Lab I.D.: 10170

SB-5 8-12 1245H 05/27/98

ULI I.D.: 14898075

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	87%		WC1830
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1908
Bromomethane	<3ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<3ug/kg dw		VM1908
Methylene Chloride	7ug/kg dw	44	VM1908
Acetone	<11ug/kg dw		VM1908
Carbon Disulfide	<3ug/kg dw		VM1908
1,1-Dichloroethene	<3ug/kg dw		VM1908
1,1-Dichloroethane	<3ug/kg dw		VM1908
trans-1,2-Dichloroethene	<3ug/kg dw		VM1908
cis-1,2-Dichloroethene	<3ug/kg dw		VM1908
Chloroform	<3ug/kg dw		VM1908
1,2-Dichloroethane	<3ug/kg dw		VM1908
2-Butanone	<11ug/kg dw		VM1908
1,1,1-Trichloroethane	<3ug/kg dw		VM1908
Carbon Tetrachloride	<3ug/kg dw		VM1908
Bromodichloromethane	<3ug/kg dw		VM1908
1,2-Dichloropropane	<3ug/kg dw		VM1908
cis-1,3-Dichloropropene	<3ug/kg dw		VM1908
Trichloroethene	<3ug/kg dw		VM1908
Dibromochloromethane	<3ug/kg dw		VM1908
1,1,2-Trichloroethane	<3ug/kg dw		VM1908
Benzene	<3ug/kg dw		VM1908
trans-1,3-Dichloropropene	<3ug/kg dw		VM1908
Bromoform	<3ug/kg dw		VM1908
4-Methyl-2-pentanone	<11ug/kg dw		VM1908
2-Hexanone	<11ug/kg dw		VM1908
Tetrachloroethene	<3ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1908
Toluene	<3ug/kg dw		VM1908
Chlorobenzene	<3ug/kg dw		VM1908
Ethylbenzene	<3ug/kg dw		VM1908
Styrene	<3ug/kg dw		VM1908
m-Xylene and p-Xylene	<3ug/kg dw		VM1908
o-Xylene	<3ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: QJS

QC: JT

Lab I.D.: 10170

SB-6 8-12 1305H 05/27/98

ULI I.D.: 14898076

Matrix: Soil

PARAMETERS	RESULTS	KEY	FILE#
Percent Solids	91%		WC1830
TCL Volatiles by EPA Method 8260			
Chloromethane	<3ug/kg dw		VM1908
Bromomethane	<3ug/kg dw		VM1908
Vinyl Chloride	<2ug/kg dw		VM1908
Chloroethane	<3ug/kg dw		VM1908
Methylene Chloride	11ug/kg dw	44	VM1908
Acetone	19ug/kg dw		VM1908
Carbon Disulfide	<3ug/kg dw		VM1908
1,1-Dichloroethene	<3ug/kg dw		VM1908
1,1-Dichloroethane	<3ug/kg dw		VM1908
trans-1,2-Dichloroethene	<3ug/kg dw		VM1908
cis-1,2-Dichloroethene	<3ug/kg dw		VM1908
Chloroform	<3ug/kg dw		VM1908
1,2-Dichloroethane	<3ug/kg dw		VM1908
2-Butanone	<11ug/kg dw		VM1908
1,1,1-Trichloroethane	<3ug/kg dw		VM1908
Carbon Tetrachloride	<3ug/kg dw		VM1908
Bromodichloromethane	<3ug/kg dw		VM1908
1,2-Dichloropropane	<3ug/kg dw		VM1908
cis-1,3-Dichloropropene	<3ug/kg dw		VM1908
Trichloroethene	<3ug/kg dw		VM1908
Dibromochloromethane	<3ug/kg dw		VM1908
1,1,2-Trichloroethane	<3ug/kg dw		VM1908
Benzene	<3ug/kg dw		VM1908
trans-1,3-Dichloropropene	<3ug/kg dw		VM1908
Bromoform	<3ug/kg dw		VM1908
4-Methyl-2-pentanone	<11ug/kg dw		VM1908
2-Hexanone	<11ug/kg dw		VM1908
Tetrachloroethene	<3ug/kg dw		VM1908
1,1,2,2-Tetrachloroethane	<3ug/kg dw		VM1908
Toluene	<3ug/kg dw		VM1908
Chlorobenzene	<3ug/kg dw		VM1908
Ethylbenzene	<3ug/kg dw		VM1908
Styrene	<3ug/kg dw		VM1908
m-Xylene and p-Xylene	<3ug/kg dw		VM1908
o-Xylene	<3ug/kg dw		VM1908

dw = Dry weight

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: *ASJ*

QC: *JT*

Lab I.D.: 10170

SB-3 H2O 05/27/98

ULI I.D.: 14898077

Matrix: Water

PARAMETERS

RESULTS

KEY

FILE#

TCL Volatiles by EPA Method 8260

Chloromethane	<3ug/l		VM1908
Bromomethane	<3ug/l		VM1908
Vinyl Chloride	<2ug/l		VM1908
Chloroethane	<3ug/l		VM1908
Methylene Chloride	<3ug/l		VM1908
Acetone	<10ug/l		VM1908
Carbon Disulfide	<3ug/l		VM1908
1,1-Dichloroethene	<3ug/l		VM1908
1,1-Dichloroethane	<3ug/l		VM1908
trans-1,2-Dichloroethene	<3ug/l		VM1908
cis-1,2-Dichloroethene	<3ug/l		VM1908
Chloroform	<3ug/l		VM1908
1,2-Dichloroethane	<3ug/l		VM1908
2-Butanone	<10ug/l		VM1908
1,1,1-Trichloroethane	<3ug/l		VM1908
Carbon Tetrachloride	<3ug/l		VM1908
Bromodichloromethane	<3ug/l		VM1908
1,2-Dichloropropane	<3ug/l		VM1908
cis-1,3-Dichloropropene	<3ug/l		VM1908
Trichloroethene	<3ug/l		VM1908
Dibromochloromethane	<3ug/l		VM1908
1,1,2-Trichloroethane	<3ug/l		VM1908
Benzene	<3ug/l		VM1908
trans-1,3-Dichloropropene	<3ug/l		VM1908
Bromoform	<3ug/l		VM1908
4-Methyl-2-pentanone	<10ug/l		VM1908
2-Hexanone	<10ug/l		VM1908
Tetrachloroethene	<3ug/l		VM1908
1,1,2,2-Tetrachloroethane	<3ug/l		VM1908
Toluene	<3ug/l		VM1908
Chlorobenzene	<3ug/l		VM1908
Ethylbenzene	<3ug/l		VM1908
Styrene	<3ug/l		VM1908
m-Xylene and p-Xylene	<3ug/l		VM1908
o-Xylene	<3ug/l		VM1908

DATE: 06/08/98

Upstate Laboratories, Inc.

Analysis Results

Report Number: 14898071

Client I.D.: DELTA ENVIRONMENTAL CONSULTANT PERRY NY

Sampled by: Client

APPROVAL: QJS

QC: JT

Lab I.D.: 10170

SB-6 H2O 05/27/98

ULI I.D.: 14898078

Matrix: Water

PARAMETERS

RESULTS

KEY

FILE#

TCL Volatiles by EPA Method 8260

Chloromethane	<3ug/l		VM1908
Bromomethane	<3ug/l		VM1908
Vinyl Chloride	<2ug/l		VM1908
Chloroethane	<3ug/l		VM1908
Methylene Chloride	<3ug/l		VM1908
Acetone	<10ug/l		VM1908
Carbon Disulfide	<3ug/l		VM1908
1,1-Dichloroethene	90ug/l		VM1908
1,1-Dichloroethane	<3ug/l		VM1908
trans-1,2-Dichloroethene	<3ug/l		VM1908
cis-1,2-Dichloroethene	3ug/l		VM1908
Chloroform	<3ug/l		VM1908
1,2-Dichloroethane	<3ug/l		VM1908
2-Butanone	<10ug/l		VM1908
1,1,1-Trichloroethane	35ug/l		VM1908
Carbon Tetrachloride	<3ug/l		VM1908
Bromodichloromethane	<3ug/l		VM1908
1,2-Dichloropropane	<3ug/l		VM1908
cis-1,3-Dichloropropene	<3ug/l		VM1908
Trichloroethene	<3ug/l		VM1908
Dibromochloromethane	<3ug/l		VM1908
1,1,2-Trichloroethane	<3ug/l		VM1908
Benzene	<3ug/l		VM1908
trans-1,3-Dichloropropene	<3ug/l		VM1908
Bromoform	<3ug/l		VM1908
4-Methyl-2-pentanone	<10ug/l		VM1908
2-Hexanone	<10ug/l		VM1908
Tetrachloroethene	13ug/l		VM1908
1,1,2,2-Tetrachloroethane	<3ug/l		VM1908
Toluene	3ug/l		VM1908
Chlorobenzene	<3ug/l		VM1908
Ethylbenzene	<3ug/l		VM1908
Styrene	<3ug/l		VM1908
m-Xylene and p-Xylene	<3ug/l		VM1908
o-Xylene	<3ug/l		VM1908

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

14898071-78 6/11

Chain of Custody Record

Upstate Laboratories, Inc.
 8034 Corporate Drive E. Syracuse New York 13057
 (315) 437 0255 Fax 437 1208

Client: **Delta Environmental** Project # **NY**
 Address: **Perry NY**

Sample ID: **SB-1** Date: **5/27/98** Time: **10:20** Matrix: **SOIL** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-2** Date: **8-12** Time: **10:50** Matrix: **↓** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-3** Date: **8-12** Time: **11:25** Matrix: **↓** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-4** Date: **8-12** Time: **11:05** Matrix: **↓** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-5** Date: **8-12** Time: **12:45** Matrix: **↓** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-6** Date: **8-12** Time: **13:05** Matrix: **↓** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-3** Date: **H2O** Time: **11:20** Matrix: **H2O** Group or Comp: **14898071** ULI Internal Use Only

Sample ID: **SB-6** Date: **H2O** Time: **11:20** Matrix: **H2O** Group or Comp: **14898071** ULI Internal Use Only

Parameter and Method	Sample bottle:	Type	Size	Preservative	No. of Containers												Remarks	
					1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	12)		
1) VOL EPA METHOD 8260																		
2) LEAD																		
3) Collo Solids ₁₀																		
4)																		
5)																		
6)																		
7)																		
8)																		
9)																		
10)																		
11)																		
12)																		
13)																		
Company: Delta Relinquished by: (sign) [Signature] Date: 5/27/98 Time: 14:00 Relinquished by: (sign) [Signature] Date: 5/28/98 Time: 13:35 Relinquished by: (sign) [Signature] Date: 5/28/98 Time: 13:35					ULI Internal Use Only Received by: (sign) [Signature] Received by: (sign) [Signature] Rec'd for Lab by: [Signature]													

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)