Dry Cleaners Site Screening
Plainview Shopping Center
Plainview, New York

Prepared For:
First Union National Bank of North Carolina
Charlotte, North Carolina

Prepared By:
IVI Environmental, Inc.
105 Corporate Park Drive
White Plains, New York 10604

IVI Project No.: E7092203
October 14, 1997

IVI ENVIRONMENTAL, INC.

IVI
ENVIRONMENTAL, INC.
Environmental Engineers

October 14, 1997

Mr. James Martone
Assistant Vice President
First National Bank of North Carolina
301 South College Street
6th Floor
Charlotte, North Carolina 28288-0166
(704) 383-7720 (tel)
(704 383-9601 (fax)

Re: IVI Project No.: E7092203
Dry Cleaners Site Screening
Plainview Shopping Center
Plainview, New York

Dear Mr. Martone:

IVI Environmental, Inc. is pleased to provide our Dry Cleaners Site Screening Report for the Plainview Shopping Center in Plainview, New York.

IVI conducted the Screening to identify potential environmental impact associated with two existing dry cleaning facilities, including the former on-site septic systems associated with these dry cleaners. The purpose of this Screening was to investigate the soils and groundwater around the two dry cleaner locations to determine whether historical operations have had a deleterious impact on the subsurface conditions. The scope of this investigation was completed in accordance with our proposal dated September 25, 1997, with the exception that groundwater was not encountered during the course of this Screening.

If you have any questions or comments concerning this project, please do not hesitate to call. Thank you for letting us be of assistance.

Sincerely,

IVI Environmental, Inc.

Jerry F. Vorbach, P.E.
Senior Vice President
JFV/mg

Enclosures: Report, Site Plan, Boring Logs and Analytical Results

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I. PROJECT BACKGROUND

The Phase I Environmental Site Assessment of the Subject dated September 30, 1997, identifies the Subject as currently being occupied by two dry cleaning establishments named French (Alpian) and Pampers Cleaners. This Screening was conducted to collect information necessary to determine whether dry cleaning chemicals have impacted the subsurface soil or groundwater.

A Site Plan is included for both dry cleaners in Appendix A. Each site plan depicts the location of soil borings performed as part of this Screening.

II. ON SITE ACTIVITIES

During the period between September 26 and 29, 1997, Mr. Nicholas Pressly, on behalf of IVI Environmental, Inc. ("IVI"), met Mike Rittenhouse (the owner's representative) and Aquifer Drilling and Testing (ADT), a subsurface drilling contractor, at the Subject. The group reviewed the scope of work, health and safety issues, and performed a visual survey for possible utility interferences before proceeding to collect samples at the locations shown on the Site Plan. ADT decontaminated all sampling equipment prior to use with an Alconox scrub and potable water rinse.

Utilizing direct push technology, ADT proceeded to advance three (3) soil borings at each dry cleaner and obtain soil samples continuously from each boring. Soil samples were collected using 4'-long Geoprobe Macrocore Samplers. Mr. Pressly documented the soil type, estimated the water table depth, and screened the soil for volatile organic compounds (VOCs) using a photoionization detector (PID) with an 11.7 eV Lamp. Boring logs are included as Appendix B.

Soil sampler refusal occurred at 40' below grade within borehole French SS-1. A temporary well groundwater sampler was employed within the 40' to 55' below grade interval in an attempt to obtain groundwater samples. Groundwater was not encountered and groundwater samples could not be collected for analysis. Therefore, a soil sampling program was adopted for the remaining soil borings French SS-2 through SS-3 and Pampers SS-1 through SS-3.

Two soil samples (one shallow and one deep) were collected from each boring, transferred into appropriate sample containers, packed on ice and shipped via overnight delivery to York Analytical Laboratories, Inc. in Stamford, CT. The samples were analyzed with 24 hour expedited service. Each sample was analyzed for purgeable halocarbons in accordance with EPA Method 8010. Additional samples collected from boring French SS-1 were analyzed for total petroleum hydrocarbons (TPHC) because of its proximity to a nearby fuel oil underground storage tank (UST).

III. SITE CHARACTERISTICS

The shallow subsurface at the site consisted of poorly sorted brown to black fine to coarse sand with some fine to medium gravel and traces of silt. Below 10', the sediments become better sorted brown/orange medium sand with some fine to coarse sand and traces of gravel. Groundwater was not encountered to a depth of 55' below grade.

IV. ANALYTICAL RESULTS

As mentioned, EPA Method 8010 was used to analyze the soil samples collected to detect chemicals used by the dry cleaning facilities. These results are summarized in the table below. The complete laboratory report is included as Attachment C.

Table 1
Soil Sampling Analytical Results

Location	Boring Number and Depth	Compound Detected	Concentration	NYSDEC Recommended Soil Cleanup Objectives (mg/kg)
French (Alpian)	SS-1 10-12 feet	Total Petroleum Hydrocarbons	16 mg/kg	NA
	SS-1 35-40 feet	ND	ND	NA
	SS-2 0-4 feet	Tetrachloroethene trichloroethane	940 ug/kg 12 ug/kg	1.4 0.7
	SS-2 8-12 feet	ND	ND	NA
	SS-3 0-4 feet	Tetrachloroethene	13 ug/kg	1.4
	SS-3 8-12 feet	ND	ND	NA
Pampers	SS-1 0-4 feet	Tetrachloroethene	7 ug/kg	1.4
	SS-1 8-12 feet	ND	ND	NA
	SS-2 0-4 feet	Tetrachloroethene	780 ug/kg	1.4
	SS-2 8-12 feet	Tetrachoroethene	36 ug/kg	1.4
	SS-3 0-4 feet	Tetrachloroethene	130 ug/kg	1.4
	SS-3 8-12 feet	ND	ND	NA

Key:
ND = Not Detected
NA = Not Applicable

Volatile organic compounds (VOCs) typically associated with dry cleaning operations were detected in the shallow soil at French Cleaners. Concentrations of Tetrachloroethene (PCE) at French ranged from 13 (SS-3) to 940 (SS-2) ug/kg. Trichloroethane was also detected at a concentration of 12 ug/kg within the 0'- 4' below grade sample at French SS-2. VOCs were not detected in the deep soil sample at any of the French Cleaner locations.

VOCs were also detected in the shallow soil samples collected at Pampers Cleaners. Concentrations of PCE in shallow soil (0-4 feet below grade) at Pampers ranged from 7 to 780 ug/kg. 36 ug/kg of PCE was also detected within the deep soil sample (8'- 12' below grade) at Pampers SS-2.

The regulatory criteria for Tetrachloroethene (PCE) and Trichloroethane (TCE) are derived from the New York State Department of Environmental Conservation (NYSDEC) proposed Technical and Administrative Guidance Memorandum (TAGM) #4046 dated October 11, 1995, and entitled "Determination of Soil Cleanup Objectives and Cleanup Levels".

CONCLUSIONS

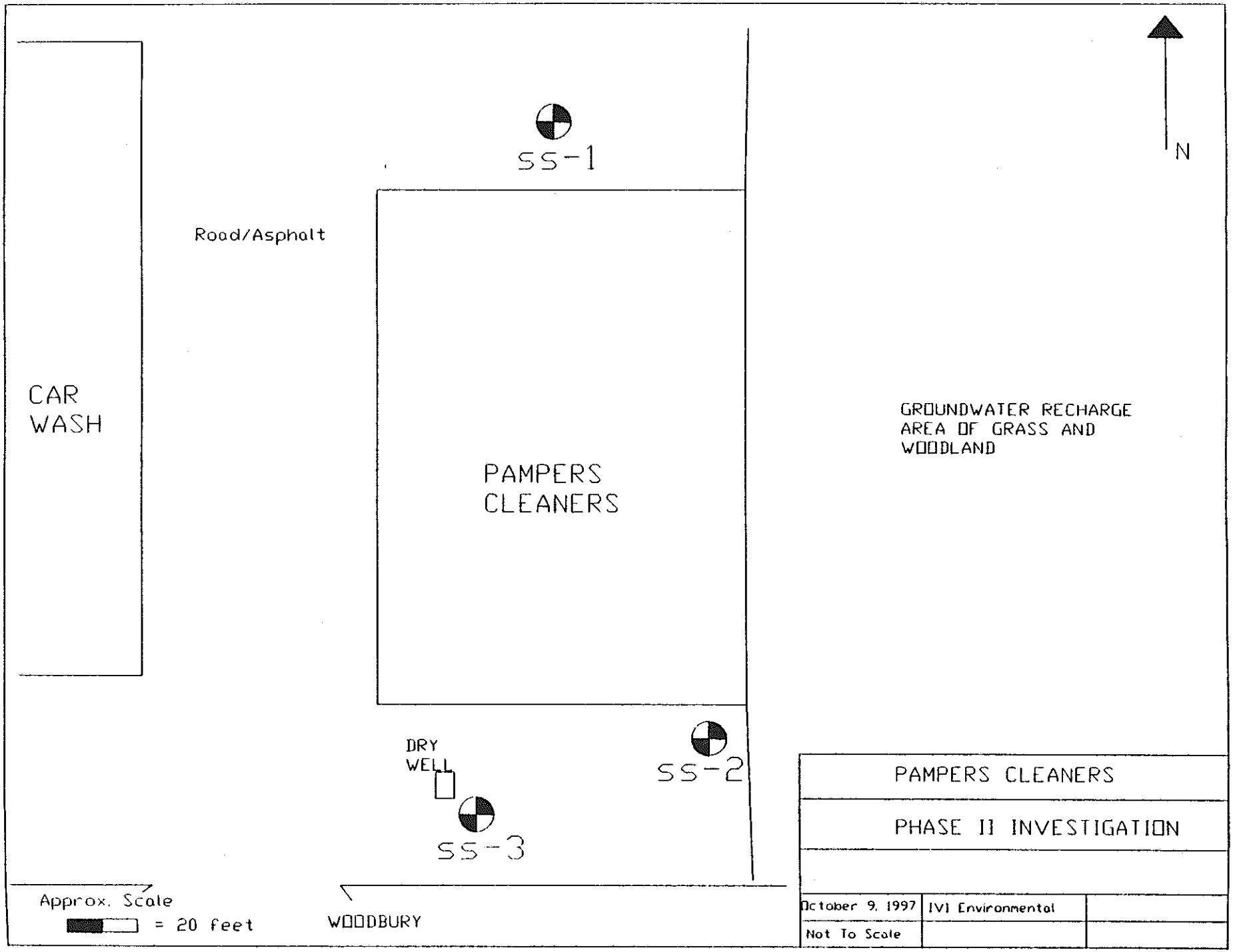
The presence of low levels of TPH detected near the French UST (SS-1) are likely the result of seepage from the surface due to overfills or sloppy fueling. Note that the asphalt surrounding this area was of poor quality.

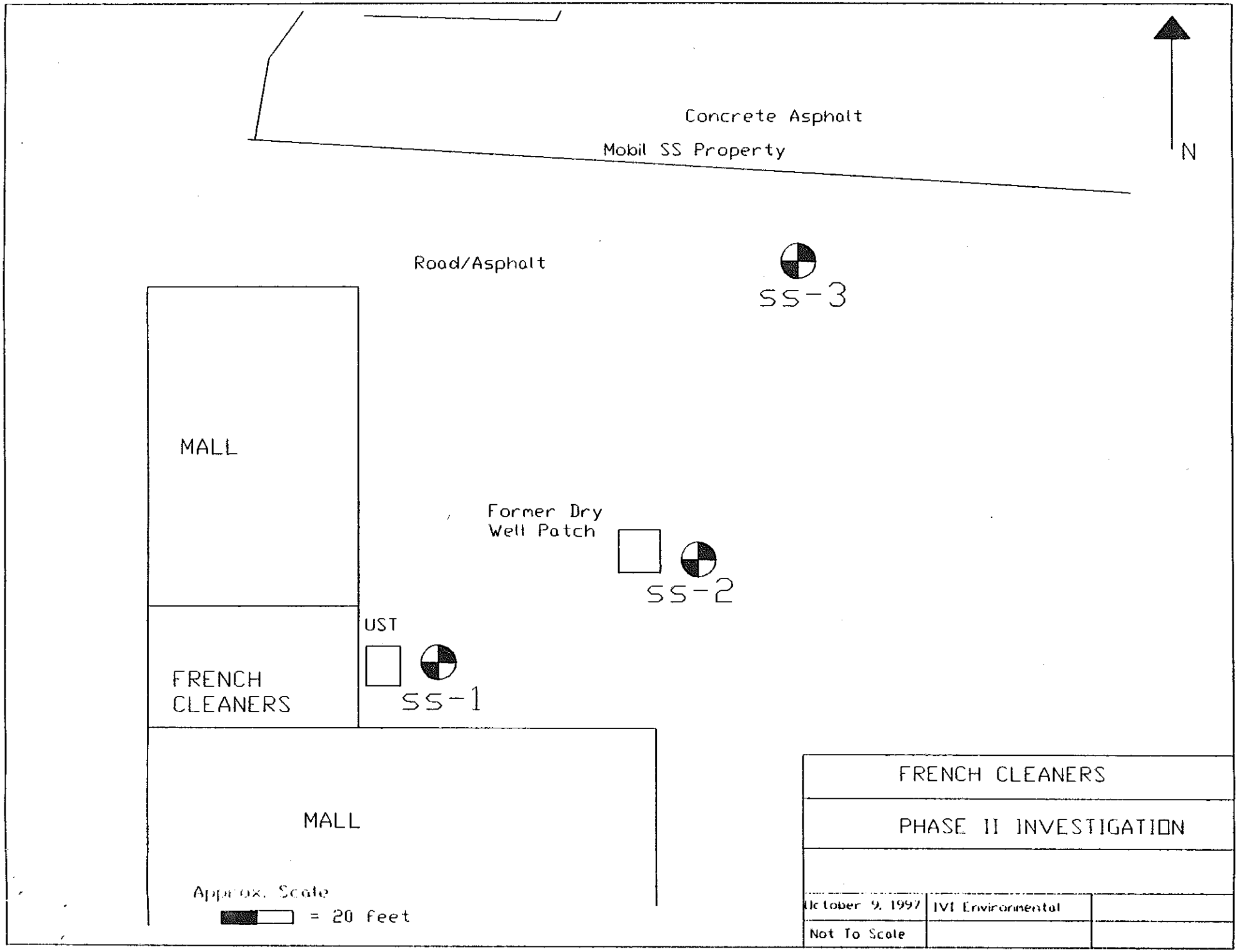
Since the presence of chlorinated hydrocarbons were either only detected in the shallow soil or decreased dramatically with depth, the levels detected at both cleaner locations are most likely the result of minor surface spills.

Based on the regulatory criteria, remedial action is currently not required to address the levels of chlorinated hydrocarbons detected within on site soil.

RECOMMENDATIONS

Based on the analytical results which indicate that all sample results are below NYSDEC soil cleanup objectives, no further action is recommended for the areas around these dry cleaning facilities. Additionally, no groundwater impacts from these facilities appear to have occurred given that all but one of the deep soil samples (8'- 12' below grade) had no detectable concentrations of chlorinated hydrocarbons and groundwater is at a depth greater than 55 feet below grade. However, better dry cleaner housekeeping/management is recommended to avoid additional surface spills which may pose a future threat to subsurface soil and ground water.


SS-1
N
Road/Asphalt
CAR
WASH
PAMPERS
CLEANERS
GROUNDWATER RECHARGE
AREA OF GRASS AND
WOODLAND
DRY
WELL
SS-2
SS-3
Approx. Scale
= 20 feet
WOODBURY
PAMPERS CLEANERS
PHASE II INVESTIGATION
October 9, 1997
IVI Environmental
Not To Scale


Concrete Asphalt
Mobil SS Property
N
Road/Asphalt
SS-3
MALL
Former Dry
Well Patch
SS-2
UST
FRENCH
CLEANERS
SS-1
MALL
Approx. Scale
= 20 Feet
FRENCH CLEANERS
PHASE II INVESTIGATION
October 9, 1997
IVI Environmental
Not To Scale

WELL LOG

Project: Plainview - French Cleaners
Drill Date: 9/26/97
Well ID: SS-1
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4					
5	5-7		ND		v.moist brown fine to coarse Sand
6					some fine gravel
7					
8					
9					
10					
11					
12	10-12		ND		sl. moist orange/brown medium
13					Sand, little coarse Sand, trace
14					gravel
15					
16					
17	15-17		ND		sl. moist orange/brown medium
18					Sand, little coarse Sand, trace
19					gravel
20					
21					
22	20-22		ND		sl. moist orange/brown medium
23					Sand, little coarse Sand, trace
24					gravel
25					
26					
27	25-27		ND		sl. moist orange/brown medium
28					Sand, little coarse Sand, trace
29					gravel
30					
31					
32	30-32		ND		sl. moist orange/brown medium
33					Sand, little coarse Sand, trace
34					gravel
35					
36					
37	35-37		ND		sl. moist orange/brown medium
38					Sand, little coarse Sand, trace
39					gravel
40				Water sampler	
41				extended to 55 feet	
42	40-42		ND	below grade	same

WELL LOG

Project: Plainview - French Cleaners
Drill Date: 9/26/97
Well ID: SS-2
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4	0-4		ND		v. moist brown Sand and Gravel
5					
6					
7					
8	4-8		ND		moist, loose brown/black Sand
9					and Gravel
10					
11					
12	10-12		ND		moist brown/black Sand and
13					Gravel into coarse Sand some
14					gravel
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					

WELL LOG

Project: Plainview - French Cleaners
Drill Date: 9/26/97
Well ID: SS-3
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4	0-4		ND		v. moist brown Sand and Gravel
5					
6					
7					
8	4-8		ND		moist, loose brown/black Sand
9					and Gravel
10					
11					
12	10-12		ND		moist brown/orange Sand and
13					Gravel into coarse Sand some
14					gravel
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					

WELL LOG

Project: Plainview - Pampers Cleaners
Drill Date: 9/29/97
Well ID: SS-1
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4	0-4		ND		sl moist black Sand and Gravel
5					into orange med. Sand
6					
7					
8	4-8		ND		sl. moist med. Sand, some f-c
9					Sand and Gravel
10					
11					
12	8-12		ND		sl. moist med. Sand, some f-c
13					Sand and Gravel
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					

WELL LOG

Project: Plainview - Pampers Cleaners
Drill Date: 9/29/97
Well ID: SS-2
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4	0-4		ND		v. moist brown Sand and Gravel
5					
6					
7					
8	4-8		ND		moist Sand and Gravel into gray
9					fine Sand and Silt
10					
11					
12	10-12		ND		v. moist gray silt, some fine sand
13					into orange med. Sand
14					gravel
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					

WELL LOG

Project: Plainview - Pampers Cleaners
Drill Date: 9/29/97
Well ID: SS-3
Driller: ADT

Supervised By: N. Pressly

IVI Environmental, Inc.

Depth	Sample #	Blows	PID (ppm)	Well Detail	Geologic Description
0					
1					
2					
3					
4	0-4		ND		v. moist brown Sand and Gravel
5					
6					
7					
8	4-8		ND		moist Sand and Gravel into gray
9					fine Sand and Silt
10					
11					
12	10-12		ND		moist f-c Sand, some silt
13					into orange med. Sand
14					gravel
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

IVI Environmental, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Mr. Jerry Vaback

Report Date: 10/02/97

Re: Client Project ID: Frenches/Pamper
York Project No.: 97090412

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 10/02/97
Client Project ID: Frenches/Pamper

York Project No.: 97090412

IVI Environmental, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Mr. Jerry Vaback

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/30/97. The project was identifed as your project "Frenches/Pamper ".

The analysis was conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

The results of the analysis are summarized in the following table(s).

Analysis Results

Client Sample ID			SS-1 10-12/French.		SS-1 35-40/French.	
York ID			97090412-01		97090412-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1

YORK

Client Sample ID			SS-1 10-12/French.		SS-1 35-40/French.	
York ID			97090412-01		97090412-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.2		5.1	
Total Petroleum Hydrocarbons	EPA 418.1	mg/kg	16	5.0	Not detected	5.0

Client Sample ID			SS-2 0-4/French.		SS-2 8-12/French.	
York ID			97090412-03		97090412-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10

YORK

Client Sample ID			SS-2 0-4/French.		SS-2 8-12/French.	
York ID			97090412-03		97090412-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			940	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			12	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.6		5.2	

Client Sample ID			SS-3 0-4/French.		SS-3 8-12/French.	
York ID			97090412-05		97090412-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10

YORK

Client Sample ID			SS-3 0-4/French.		SS-3 8-12/French.	
York ID			97090412-05		97090412-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			13	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.4		5.6	

Client Sample ID			SS-1 0-4/Pampers		SS-1 8-12/Pampers	
York ID			97090412-07		97090412-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10

YORK

Client Sample ID			SS-1 0-4/Pampers		SS-1 8-12/Pampers	
York ID			97090412-07		97090412-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			7	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.8		5.1	

Client Sample ID			SS-2 0-4/Pampers		SS-2 8-12/Pampers	
York ID			97090412-09		97090412-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1

YORK

Client Sample ID			SS-2 0-4/Pampers		SS-2 8-12/Pampers	
York ID			97090412-09		97090412-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			780	1	36	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.2		5.3	

Client Sample ID			SS-3 0-4/Pampers		SS-3 8-12/Pampers	
York ID			97090412-11		97090412-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8010 List soil	SW846-8010	ug/Kg	---	---	---	---
Benzyl chloride			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10

YORK

Client Sample ID			SS-3 0-4/Pampers		SS-3 8-12/Pampers	
York ID			97090412-11		97090412-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromobenzene			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	1
Chloroacetaldehyde			Not detected	10	Not detected	10
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2-Chloroethylvinyl ether			Not detected	1	Not detected	1
Chloromethane			Not detected	10	Not detected	10
Chloromethyl methyl ether			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
Tetrachloroethylene			130	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Trichloropropane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	10	Not detected	10
DILUTION FACTOR			5.4		5.1	

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes:

1.MDL (Minimum Detectable Limit) is reported for a dilution factor of 1.0 (no dilution); the MDLs for dilution factors in the above table(s) other than 1.0 are determined multiplying the MDL by this dilution factor. This applies to volatiles, semi-volatiles, pesticides/PCBs, and herbicides.

2. For volatiles in all matrices, methylene chloride and acetone are EPA method-accepted laboratory artifacts up to levels of 25 ppb times the listed dilution factor. Please use any methylene chloride or acetone data accordingly.

Approved By: Robert Q. Bradley
Managing Director

Date: 10/02/97

YORK

QA/QC Summary Data

IVI Environmental Project ID: Frenches/Pamper

York Project No.: 97090412

Table 1.0 Volatiles QA/QC Summary Data-Method Blank Results

Method Blank Summary- Volatiles (8010 List) - Soil/Solids
All Units in ug/Kg (ppb)

Parameter	MDL	Method Blank 8/25/97
Benzyl chloride	10	ND
Bis(2-chloroethoxy)methane	10	ND
Bis(2-chloroisopropyl)ether	10	ND
Bromobenzene	1	ND
Bromodichloromethane	1	ND
Bromoform	1	ND
Bromomethane	10	ND
Carbon tetrachloride	1	ND
Chloroacetaldehyde	10	ND
Chlorobenzene	1	ND
Chloroethane	10	ND
Chloroform	1	ND
1-Chlorohexane	1	ND
2-Chloroethylvinyl ether	1	ND
Chloromethane	10	ND
Chloromethyl methyl ether	1	ND
2-Chlorotoluene	1	ND
4-Chlorotoluene	1	ND
Dibromochloromethane	1	ND
Dibromomethane	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Dichlorodifluoromethane	1	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethylene	1	ND
1,2-Dichloroethylene (Total)	1	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropylene	1	ND
trans-1,3-Dichloropropylene	1	ND
Methylene chloride	1	ND
1,1,1,2-Tetrachloroethane	1	ND
1,1,2,2-Tetrachloroethane	1	ND
Tetrachloroethylene	1	ND
1,1,1-Trichloroethane	1	ND
1,1,2-Trichloroethane	1	ND
Trichloroethylene	1	ND
Trichlorofluoromethane	1	ND
Trichloropropane	1	ND
Vinyl chloride	10	ND

YORK

Table 2.0 *Volatiles QA/QC Summary-**Matrix Spike/Matrix Spike Duplicates***

Compound	% Recovery Matrix spike	% Recovery Matrix spike Duplicate	RPD %
Benzene	110	111	1
Toluene	97	97	0
Chlorobenzene	97	98	1
1,1-Dichloroethylene	106	107	1
Trichloroethylene	100	102	2