



HYDROLOGY GEOLOGY ENGINEERING

April 3, 2006

Mr. Clayton Minnick
General Manager
Frederick Brick Works, Inc.
184 E. South Street
Frederick, Maryland 21701

RE: Phase II environmental inspection of former clay pit (Site) adjacent to
Southern States Cooperative

Dear Mr. Minnick:

Hydro-Terra has completed the Phase II sampling event as outlined in our proposal of March 17, 2006. The purpose of the work was to determine if wash water from Southern States had contaminated a portion of the Frederick Brick property. Contained herein is a description of the scope of our investigation and our findings and conclusion.

On March 21, 2006, Hydro-Terra collected one soil sample from the upper 18 inches of soil from the lowest part of the Site that was not covered with ponded water. It was expected that the highest concentrations of water-borne contaminants would be in low areas that have had ponded water. The ponded water at the time of sampling was collected in two pools. The larger pool was approximately ten feet wide and a maximum of two inches deep. The smaller pool was about five feet wide and one inch deep. The two pools were separated by about twelve feet. The sample was collected near the larger pool, which was slightly lower than the smaller pool. Field observations indicate that the two pools are connected during periods of heavy precipitation.

A stainless steel hand auger, an aluminum pan, and a stainless steel spoon were used to collect and prepare the sample. The sampling location was labeled as "S-1" and was marked in the field with an orange flag. A map of the Site can be seen on the following page. Photographs of the sampling location are attached. The pink flags in the photos show the field-screening locations from Phase I. An old, rusted 55-gallon steel drum was lying on the ground about seven feet from the S-1 location. No chemicals or chemical odors were observed in or around the drum.

The S-1 soil sample was mostly brownish-gray, hydric, and slightly clayey silt with some blackish zones and a few small woody fragments. The soil had a slight natural organic odor. No obvious contamination was observed. Below the 18 inches of sampled soil was seen a three inch thick layer of silty medium sand. Auger refusal on suspected rock was encountered below the sand. The volatile organic compound (VOC) sample was collected from the middle of the sampling zone (approximately 8 to 11 inches). The

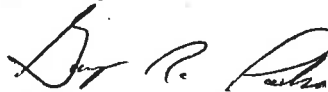
samples for the other analyses were collected from a composite sample of the entire 18-inches of recovered soil.

The samples were analyzed for Target Compound List (TCL) VOCs, TCL semi-volatile organic compounds (SVOCs), priority pollutant metals, chlorinated herbicides, and organochlorine pesticides. No SVOCs, pesticides or herbicides were detected above the laboratory's reporting limits. One VOC (acetone) was detected, but the laboratory stated that acetone was also detected in the lab blank and, therefore, was suspected to be from lab contamination. Of the metals that were detected, all but one concentration was below the residential and non-residential cleanup standards as defined the Maryland Department of the Environment (MDE). The one exception was arsenic, which was slightly above the residential standard, yet still below the non-residential standard. The natural concentrations of arsenic in Western Maryland and Central Maryland are reported by MDE to be 11 and 4.9 parts per million (PPM), or milligrams per kilogram (mg/kg), respectively, and are higher than the detected concentration of 4.8 PPM.

Based upon the laboratory analyses and other findings, it does not appear that the Site has been significantly contaminated, if at all. Further sampling and analysis does not appear to be necessary.

If you have any questions, please give us a call.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary R. Parks". The signature is fluid and cursive, with the first name "Gary" being the most prominent.

Gary R. Parks
Staff Environmental Scientist

06010/report



Southern States

Frederick
Brick

Site

tree
pile

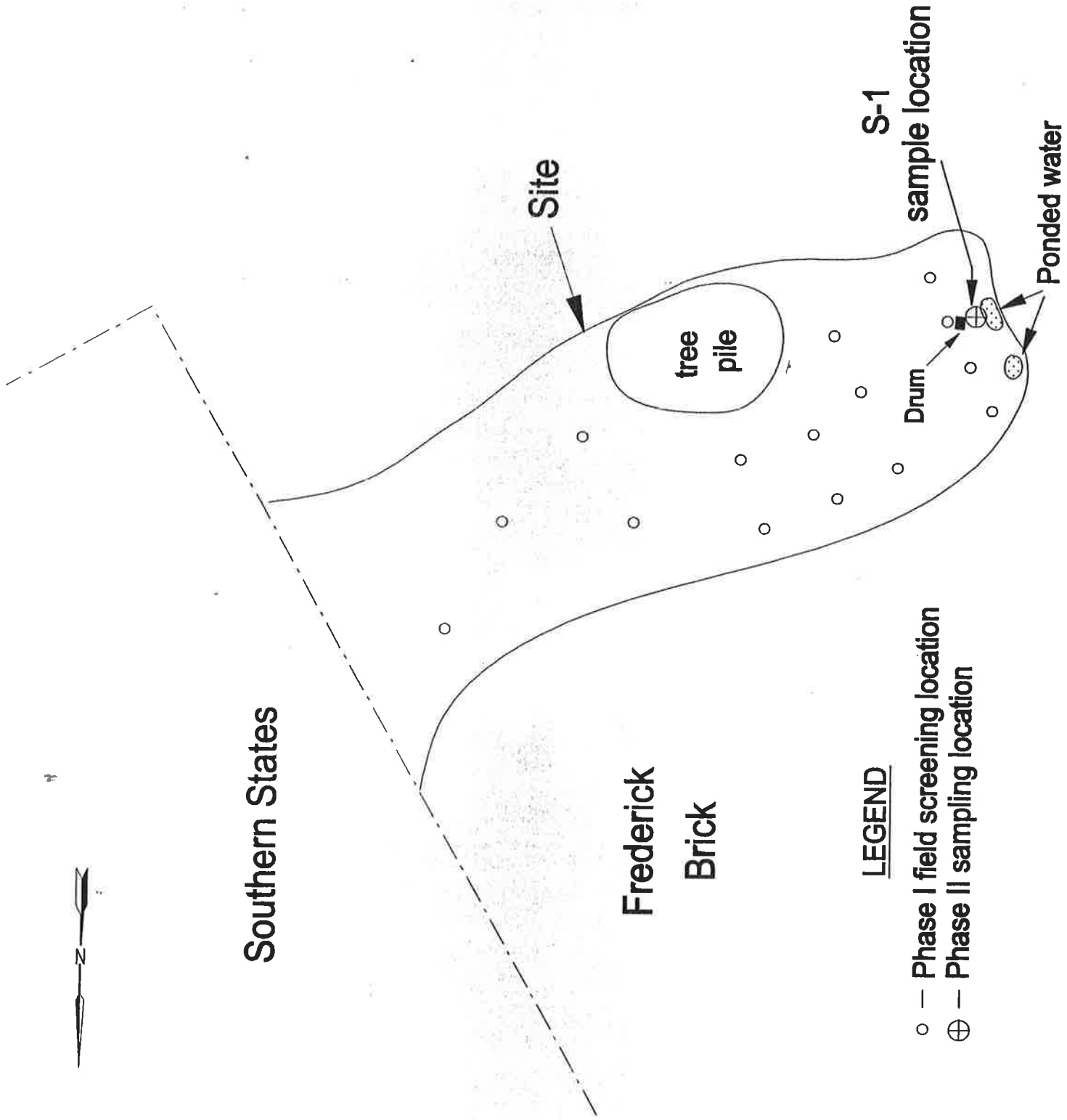
Drum

S-1
sample location

Ponded water

LEGEND

- — Phase I field screening location
- ⊕ — Phase II sampling location





Area of ponded water at time of Phase I field screening (March 10, 2006)



Area of ponded water at time of Phase II soil sampling (March 21, 2006).
Orange flag indicates S-1 sampling location. Pink flags are from Phase I field screening.



View of Site from border with Southern States (Phase I - March 10, 2006)



View from Site looking toward Southern States (Phase I - March 10, 2006)



View of Site from border with Southern States (Phase I - March 10, 2006)



View from Site looking toward Southern States (Phase I - March 10, 2006)



Area of ponded water at time of Phase I field screening (March 10, 2006)



Area of ponded water at time of Phase II soil sampling (March 21, 2006).
Orange flag indicates S-1 sampling location. Pink flags are from Phase I field screening.

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 06032110
Hydro-Terra Inc.
March 29, 2006

Project: Frederick Brick/S.S.
Site Location: Frederick, MD
Project Number: 06010
Prepared for: Hydro-Terra Inc.
9192 Red Branch Rd., Suite 2
Columbia, MD 21045
Report To: Gary Parks

Date Received: 3/21/2006
Time Received: 1:57 PM

This report contains the results for the samples received under chain of custody by Phase Separation Science, Inc. (PSS) for the project identified above. The signature below signifies that this report has been reviewed and approved in its entirety. Therefore, this report may not be reproduced, except in full, without the written approval of an authorized representative of PSS.

This report includes pre-defined standard report abbreviations. These include:

- RL - Reporting Limit
- ND - Not Detected at or above the Reporting Limit

All analyses were performed in accordance with the referenced methodologies, PSS's Standard Operating Procedures (SOPs) and PSS's Quality Assurance Plan (QAP).

If there are any questions regarding this report or if any additional information is needed, please do not hesitate to contact us at (410) 747-8770 or via e-mail at info@phaseonline.com.

Laboratory Manager

Dan Prucnal

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Hydro-Terra Inc.

March 29, 2006

Project: Frederick Brick/S.S.

Site Location: Frederick, MD

Project Number: 06010

Date Received: 3/21/2006

Time Received: 1:57 PM

The following samples were received under chain of custody by PSS on Tuesday, March 21, 2006 at 01:57 PM.

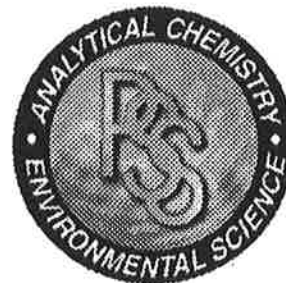
Lab ID	Field Sample ID	Lab ID	Field Sample ID	Lab ID	Field Sample ID
06032110-01	S-1				

General Report Notes:

- Data qualifiers are defined in the footnotes of the sample when applicable.
- The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Therefore, appropriate consideration of the data should be utilized.
- The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.

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CERTIFICATE OF ANALYSIS

No: 06032110
 Hydro-Terra Inc.
 March 29, 2006

Project: Frederick Brick/S.S.
 Site Location: Frederick, MD
 Project Number: 06010

Date Received: 3/21/2006
 Time Received: 1:57 PM

Sample ID: S-1	PSS Sample Number: 06032110-01
Matrix: Soil	Date/Time Sampled: 03/21/2006 11:30

Target Compound List - SEMIVOLATILES	Result	Units	RL	Prepared	Analyzed	Init.
Analytical Method: EPA 8270C Preparation Method: EPA 3550B						
Naphthalene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
4-Chloroaniline	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Hexachlorobutadiene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Caprolactam	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
4-Chloro-3-methylphenol	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2-Methylnaphthalene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Hexachlorocyclopentadiene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2,4,6-Trichlorophenol	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2,4,5-Trichlorophenol	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
1,1-Biphenyl	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2-Chloronaphthalene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2-Nitroaniline	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
Dimethyl phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2,6-Dinitrotoluene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Acenaphthylene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
3-Nitroaniline	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
Acenaphthene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2,4-Dinitrophenol	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
4-Nitrophenol	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
Dibenzofuran	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
2,4-Dinitrotoluene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Diethyl phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Fluorene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
4-Chlorophenyl phenyl ether	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
4-Nitroaniline	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
4,6-Dinitro-2-methylphenol	ND	ug/kg	1200	03/24/06	03/24/06 12:24	BW
N-Nitrosodiphenylamine	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
4-Bromophenyl phenyl ether	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Hexachlorobenzene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Atrazine	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Pentachlorophenol	ND	ug/kg	1300	03/24/06	03/24/06 12:24	BW
Phenanthrene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Anthracene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 06032110
 Hydro-Terra Inc.
 March 29, 2006

Project: Frederick Brick/S.S.
 Site Location: Frederick, MD
 Project Number: 06010

Date Received: 3/21/2006
 Time Received: 1:57 PM

Sample ID: S-1
 Matrix: Soil
 PSS Sample Number: 06032110-01
 Date/Time Sampled: 03/21/2006 11:30

	Result	Units	RL	Prepared	Analyzed	Init.
Target Compound List - SEMIVOLATILES						
Analytical Method: EPA 8270C		Preparation Method: EPA 3550B				
Carbazole	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Di-n-butyl phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Fluoranthene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Pyrene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Butyl benzyl phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
3,3-Dichlorobenzidine	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Benzo (a) anthracene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Chrysene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Bis (2-ethylhexyl) phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Di-n-octyl phthalate	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Benzo (b) fluoranthene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Benzo (k) fluoranthene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Benzo (a) pyrene	ND	ug/kg	260	03/24/06	03/24/06 12:24	BW
Indeno (1,2,3-cd) pyrene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Dibenzo (a,h) anthracene	ND	ug/kg	260	03/24/06	03/24/06 12:24	BW
Benzo (g,h,i) perylene	ND	ug/kg	520	03/24/06	03/24/06 12:24	BW
Target Compound List - VOLATILES						
Analytical Method: EPA 8260B		Preparation Method: EPA 5035				
Dichlorodifluoromethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Chloromethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Vinyl chloride	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Bromomethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Chloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Trichlorofluoromethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1-Dichloroethene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Acetone	b 30	ug/kg	30	03/28/06	03/28/06 15:36	MI
Carbon Disulfide	ND	ug/kg	15	03/28/06	03/28/06 15:36	MI
Methyl Acetate	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Methylene chloride	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
trans-1,2-Dichloroethene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Methyl-t-butyl ether	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1-Dichloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI

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Hydro-Terra Inc.
 March 29, 2006

Project: Frederick Brick/S.S.
 Site Location: Frederick, MD
 Project Number: 06010

Date Received: 3/21/2006
 Time Received: 1:57 PM

Sample ID: S-1 PSS Sample Number: 06032110-01
 Matrix: Soil Date/Time Sampled: 03/21/2006 11:30

Target Compound List - VOLATILES	Result	Units	RL	Prepared	Analyzed	Init.
Analytical Method: EPA 8260B		Preparation Method: EPA 5035				
cis-1,2-Dichloroethene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
2-Butanone (MEK)	ND	ug/kg	30	03/28/06	03/28/06 15:36	MI
Chloroform	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1,1-Trichloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Cyclohexane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Carbon tetrachloride	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Benzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,2-Dichloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Trichloroethene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Methylcyclohexane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,2-Dichloropropane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Bromodichloromethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
cis-1,3-Dichloropropene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	30	03/28/06	03/28/06 15:36	MI
Toluene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
trans-1,3-Dichloropropene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1,2-Trichloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Tetrachloroethene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
2-Hexanone (MBK)	ND	ug/kg	30	03/28/06	03/28/06 15:36	MI
Dibromochloromethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,2-Dibromoethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Chlorobenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Ethylbenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
m&p-Xylene	ND	ug/kg	15	03/28/06	03/28/06 15:36	MI
o-Xylene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Styrene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Bromoform	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Isopropylbenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,3-Dichlorobenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,4-Dichlorobenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,2-Dichlorobenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI

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Sample ID: S-1	PSS Sample Number: 06032110-01
Matrix: Soil	Date/Time Sampled: 03/21/2006 11:30

	Result	Units	RL	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						
Analytical Method: EPA 8260B		Preparation Method: EPA 5035				
1,2,4-Trichlorobenzene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI
Naphthalene	ND	ug/kg	7	03/28/06	03/28/06 15:36	MI

b - found in blank / suspected lab artifact.
 Results reported on a dry weight basis where applicable.

