



Memo

TO: Charlotte Jesneck, IHSB

SUBJECT: One Hour Klean (DSCA Site 1-0013) Transfer to IHSB

FROM: Al Chapman, DSCA Program

DATE: 9/4/13

This is a transfer of One Hour Klean site from the DSCA Program to IHSB.

The site is located at 1785 W. Webb Avenue in Burlington, Alamance County, North Carolina at the coordinates 36.10876 Latitude and -79.46272 Longitude. A DSCA contractor conducted an investigation on the property per the property owner's permission. Based on the investigation activities of the above referenced site, DSCA sent the results of the investigation to the property owner by certified letter on July 17, 2013 which was signed received on July 29, 2013. Per our letter the owner has 30 days to reply to the DSCA Program of the owner's intentions of petitioning the site into the DSCA Program or being transferred to the IHSB, the 30 day notification period has expired and so we are transferring this site to the IHSB for processing. The file is electronic and will be transferred to a server location of your choosing upon request. If we receive a petition from the owner or other eligible petitioner in the future, we will notify you as soon as we receive the signed petition documents.

Site Property Owner Contact Information:

Milton E. Petty
Alamance Industrial Park, Inc.
P.O. Box 850
Burlington, NC 27215



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

September 4, 2013

CERTIFIED MAIL RETURN RECEIPT

Milton E. Petty
Alamance Industrial Park, Inc.
P.O. Box 850
Burlington, NC 27215

RE: Transfer of One Hour Klean site to IHSB
1785 West Webb Avenue, Burlington, Alamance County
DSCA Site 01-0013

Dear Mr. Petty:

This is to notify you that the time period to reply to the Dry Cleaning Solvent Cleanup Act (DSCA) Program has expired regarding which program to address the contamination from the above referenced site. Therefore, the DSCA Program has referred this site to the IHSB for processing.

Please note that this does not exclude you as the current property owner or any other eligible petitioner from petitioning this site into the DSCA Program. If you become interested in participating in the DSCA Program at a later date, please contact me at the address provided below.

Division of Waste Management
Attn: Al Chapman
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
Phone/Fax: (919) 707-8368
Al.Chapman@ncdenr.gov

Sincerely,

Al Chapman, L.G.
DSCA Project Manager

Cc: File 001-0013



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director



Dee Freeman
Secretary

PROPERTY ACCESS CONSENT

This document may not be modified without the Program's approval. If you have questions on how to fill out this form or about the activities at this site, please call the Dry-cleaning Solvent Cleanup Program at (919)707-8200.

For DSCA Use Only
DSCA ID No.
01-0013

Please Print

Carolina Hosiery Mills, Inc
(Name of Property Owner or Tenant in Residence)

336-570-2129
(Telephone Number of Property Owner or Tenant)

1785 West Webb Avenue
(Street Number and Street Name of Property)

Burlington / Alamance / 27217
(City or Town in Which Property Is Located) / (County in Which Property is Located) / (Zip Code of Property)

I voluntarily consent to the Division of Waste Management (Division) and its independent contractors (contractors) entering and having continued access to my property for the following purposes:

- (1) taking such soil, water and air samples as may be necessary;
- (2) taking other actions related to the investigation of surface or subsurface conditions;
- (3) taking response actions necessary to mitigate any threat to human health or the environment.

Other conditions:

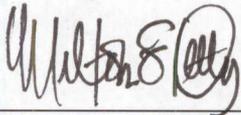
- (1) The Division and its contractors shall attempt to perform any activities at the Property in a manner that minimizes interference with use of the Property.
- (2) On conclusion of all activities, the Division and its contractors shall, to the extent practicable, restore the Property to the original condition it was in prior to any activities conducted by the Division or its contractors. All monitoring wells will be properly abandoned in accordance with applicable laws and regulations, unless other arrangements are agreed to by the Property Owner.

May 22, 2012

Property Access Consent
One Hour Klean, 1785 W. Webb Ave., Burlington, NC
DSCA Site # 01-0012
Page 2

- (3) The Division or its contractors will make reasonable attempts to notify the Property Owner at least 48 hours prior to entering the Property for any purpose. In situations that the Division determines to be of an emergency nature, the Division or its contractors shall have immediate access to the property.
- (4) Property Owner shall not willingly destroy, damage, remove, pave over or cover any monitoring wells at the site without prior consent of the Division.

By signing this consent document, I acknowledge that I have contacted all tenants occupying the property and all tenants agree to the conditions of this "Property Access Consent".

 Vice President

5/24/2012

(Signature of Property Owner or Tenant in Residence)

(Date)

Milton E. Petty

(Printed Name of Property Owner or Tenant in Residence)

Please return to:
Division of Waste Management
DSCA Program
401 Oberlin Rd., Suite 150
Raleigh, NC 27605-1350



2725 East Millbrook Road
Suite 121
Raleigh, NC 27604
Tel: 919-871-0999
Fax: 919-871-0335
www.atcassociates.com
N.C. Engineering License No. C-1598

July 16, 2013

Mr. Al Chapman
State of North Carolina
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - DSCA Program
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Re: Subsurface Investigation Report
One Hour Klean
1785 West Webb Avenue
Burlington, Alamance County, NC
ATC Project No. 045.34341.0113
DSCA Site Identification No. 01-0013

Dear Mr. Chapman

ATC Associates of North Carolina, P.C. (ATC) is pleased to submit this letter report summarizing a subsurface investigation conducted at the above referenced site. The work was performed in accordance with State Lead Authorization for Work (SLAW) 001 issued by the North Carolina Drycleaning Solvent Cleanup Act (DSCA) Program. ATC's investigation included collection of soil and groundwater samples from direct-push borings, collection of soil samples from hand auger borings, and collection of sub-slab soil gas samples inside the facility. Background information and the results of ATC's sampling activities are summarized in the following sections of this report.

Background Information

One Hour Klean is an active drycleaning operation located in a standalone building at 1785 West Webb Avenue in Burlington, North Carolina. Based on discussions with the current facility manager, Mr. Jeff Bowland, the existing building was constructed in 1968 and the property was vacant prior to its construction. The facility has been used for drycleaning operations using tetrachloroethylene (PCE) drycleaning solvent since its construction. A transfer machine was used until the 1990's when it was replaced with the current dry-to-dry machine. Waste PCE is currently stored in 35-gallon containers in secondary containment and transported off-site for disposal. PCE was previously stored in an aboveground storage tank (AST) during operation of the prior transfer machine. Mr. Bowland took over the operation from his father in the late 1980's and indicated he was generally unfamiliar with previous practices. Mr. Bowland also indicated he did not know the location of the former transfer machine.

Groundwater impacted by chlorinated solvents was identified in the area downgradient of the One Hour Klean facility during prior investigations at other DSCA sites and petroleum release sites in the vicinity. The purpose of the recent subsurface investigation was to confirm whether releases at the One Hour Klean facility are a source for these impacts.

Direct-Push and Hand Auger Borings

On February 18 and 19, 2013, ATC supervised advancement of six direct-push borings (GP-1 through GP-6) by South Atlantic Environmental Drilling and Construction Company (SAEDACCO). The boring locations are illustrated on **Figure 1**. The boring logs are included in **Attachment A**. For GP-1 through GP-5, continuous soil samples were collected from the surface to an estimated depth of 20 to 25 feet below ground surface (bgs). Soil samples were collected using a hand auger to a depth of 5 feet bgs, then a macrocore sampler to the boring termination depth. (Note that boring GP-6 was also advanced but was used only for groundwater sample collection as discussed further below.) Three hand auger borings (HA-1 through HA-3) were also advanced to a depth of 5 feet bgs. Soil samples were screened using a photoionization detector. Based on the results of the PID screening, one surficial soil sample and one to three subsurface soil samples were selected for laboratory analysis from each boring.

Groundwater was encountered at depths ranging from 15 to 16 feet bgs in the direct-push borings. Groundwater samples were collected from borings GP-1 through GP-6 from the direct-push screen rods using a peristaltic pump. Minimal, if any, groundwater was purged during the groundwater sampling collection process.

Soil and groundwater samples were submitted to KB Labs, Inc. under chain of custody documentation for laboratory analysis of volatile organics using EPA Method 8260. Soils or fluids recovered or generated during the investigation were containerized for proper disposal. Disposal manifests were previously submitted under a separate cover. Each boring was properly abandoned upon completion of sampling.

Soil Analytical Results

PCE was detected in four direct push borings (GP-1, GP-2, and GP-4) and two hand auger locations (HA-1 and HA-3) at concentrations above the DSCA Tier 1 Risk Based Screening Level (RBSL). The highest concentration of PCE was identified in HA-3 at a depth of 1 to 2 feet bgs with a concentration of 0.078 milligrams per kilogram (mg/kg). A summary of the soil analytical results is included as **Table 1**. Surficial and subsurface PCE concentrations at each sampling point are shown on **Figure 2A** and **Figure 2B**, respectively. The laboratory report is provided in **Attachment B**.

Groundwater Analytical Results

PCE was detected in all six borings (GP-1, GP-2, GP-3, GP-4, GP-5, and GP-6) at concentrations above the North Carolina 2L Groundwater Standard. The highest concentrations of PCE were identified in GP-3 and GP-2 with concentrations of 1.5 milligrams per liter (mg/L) and 0.42 mg/L, respectively. GP-3 is located on the west side of One Hour Klean just outside of where the waste PCE is stored and GP-2 is located north of One Hour Klean. A summary of the groundwater analytical results is included as **Table 2**. PCE concentrations at each sampling point are shown on **Figure 3**. The laboratory report is provided in **Attachment B**.

Sub-Slab Soil Gas Sampling

On April 18, 2013, ATC mobilized to the site to install sub-slab soil gas monitoring points SGMP-1 and SGMP-2 inside the One Hour Klean facility. The sample locations are shown on **Figure 4**. At each location, a hammer drill was used to drill a ¼-inch hole through the concrete floor slab. After the hole was drilled, ¼-inch diameter Teflon tubing was inserted into the floor slab and bees wax was used to seal the annular space to the ground surface.

Sampling of the sub-slab soil gas monitoring points was conducted shortly after installation. Helium gas was used as a tracer to determine the quality of seal between the sampling depth and the surface air. To validate the seal, a 5-gallon bucket was placed over the sampling point to form a temporary shroud. Helium gas was then injected into a fitting in the bucket. A field helium meter was used to periodically measure helium concentrations within the shroud throughout the sampling process. A three-way valve and a 60-milliliter syringe were then connected to the sampling point tubing and used to purge approximately three volumes from the sampling point. Following purging, the three-way valve and syringe were used to collect a vapor sample in a tedlar bag. Purging and sampling were conducted at a maximum flow rate of 200 mL/minute. A field helium meter was used to measure the concentration of helium gas in the sample. The helium concentrations in the shroud versus the sample were then compared to evaluate for the presence of leaks. The results of the tracer gas testing indicated no significant leaks. Upon completion of the leak testing, samples SGMP-1 and SGMP-2 were collected directly into a 500mL stainless steel mini-Summa canister for laboratory analysis.

The samples were packed and shipped to H&P Mobile Geochemistry (H&P) under chain-of-custody protocol for analysis of PCE, trichloroethylene (TCE), cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, and vinyl chloride. Samples were initially analyzed by EPA Method 8260. Based on minimal detections via the EPA Method 8260 analysis, the sample from SGMP-2 was then analyzed by EPA Method TO-15.

Sub-slab Gas Analytical Results

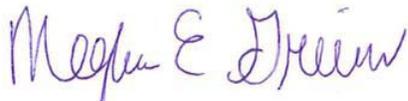
The results of the laboratory analyses for the soil gas samples indicated detectable concentrations of PCE in both SGMP-1 and SGMP-2. TCE was also detected in SGMP-2. Comparison of detected concentrations to the Division of Waste Management Non-Residential Soil Gas Screening Levels indicated an exceedance for PCE in SGMP-1. SGMP-1 was located in the rear of the building near the drycleaning machine. A summary of the sub-slab gas analytical results is included as **Table 3**. The laboratory report is provided in **Attachment B**.

Conclusions

Based on the results of this assessment, ATC concludes that releases of chlorinated drycleaning solvents have occurred at the One Hour Klean facility. Concentrations of PCE exceed the DSCA Program's Tier 1 screening levels in soil, groundwater, and sub-slab soil gas samples collected at the site. The extent of impacts has not been delineated.

If you have any questions or require additional information, please contact our office at (919) 871-0999.

Sincerely,
ATC Associates of North Carolina, P.C.



Meghan E. Greiner, P.E.
Project Engineer



Genna K. Olson, P.G.
Program Manager

Attachments

TABLES

Table 2: Analytical Data for Groundwater

DSCA ID No.: 01-0013																				
Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)								
		[mg/L]																		
GP-1 (21-25')	2/19/13	<0.001	0.0016	<0.001	NA	NA	0.37	<0.001	<0.001	0.0036	<0.001	<0.002								
GP-2 (21-25')	2/19/13	<0.001	0.0039	<0.001	NA	NA	0.42	<0.001	<0.001	0.0072	<0.001	<0.002								
GP-3 (21-25')	2/19/13	<0.001	0.0005J	<0.001	NA	NA	1.5	<0.001	<0.001	0.0022	<0.001	<0.002								
GP-4 (21-25')	2/19/13	<0.001	0.0126	<0.001	NA	NA	0.0186	0.00042J	<0.001	0.0035	<0.001	<0.002								
GP-5 (21-15')	2/18/13	<0.001	0.00035J	<0.001	NA	NA	0.0421	<0.001	<0.001	0.0003J	<0.001	<0.002								
GP-6 (21-25')	2/19/13	<0.001	0.0017	<0.001	NA	NA	0.0621	<0.001	<0.001	0.0026	<0.001	<0.002								
NC 2L Standards		0.001	0.07	0.6	0.02	0.006	0.0007	0.6	0.1	0.003	0.0003	0.5								

Table 3: Analytical Data for Sub-slab Gas

DSCA ID No.: 01-0013

Sample ID	Depth [inches bgs]	Slab Thickness [inches]	Sampling Duration ¹	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)						
					[µg/m ³]																
SGMP-1	6.5	6	G	4/18/13	NA	<2,000	NA	NA	NA	100,000	NA	<2,000	<400	<200	NA						
SGMP-2	6.5	6	G	4/18/13	NA	<4.0	NA	NA	NA	2,800	NA	<8.0	11	<2.6	NA						
DWM Non-Residential Soil Gas Screening Levels					1,600	NE	4,900	47,000	260	3,510	440,000	5,200	176	2,800	8,800						

¹ Indicate "G" for grab sample or for longer samples indicate the number of hours followed by "h".

FIGURES

LEGEND

- PROPERTY BOUNDARY
- E OVERHEAD ELECTRIC LINE
- UE UNDERGROUND ELECTRIC LINE
- W WATER LINE
- G GAS LINE
- SS STORM SEWER LINE
- S SANITARY SEWER LINE
- - - UNKNOWN UTILITY LINE
- ⊕ DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)

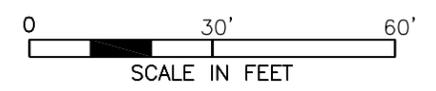
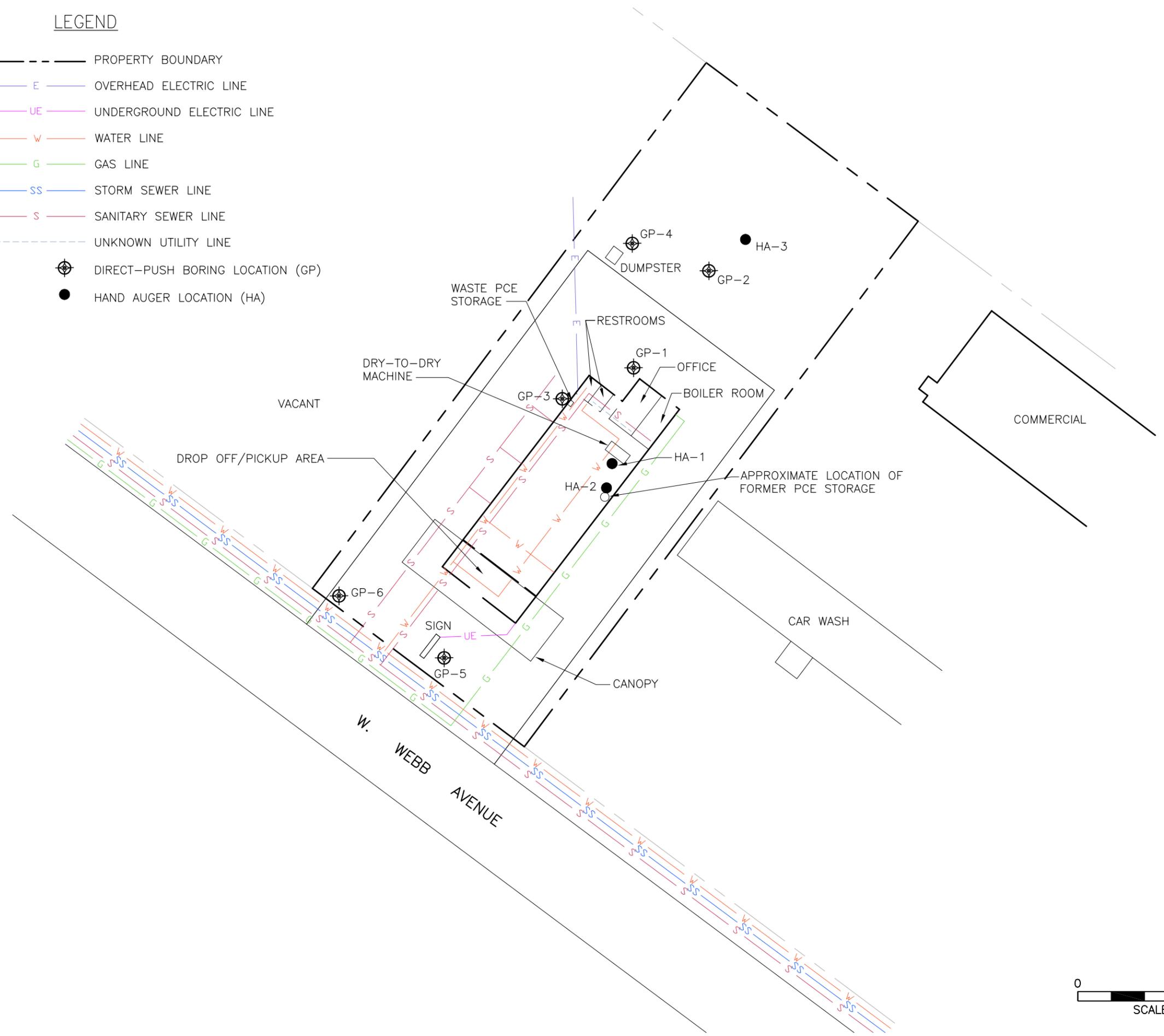


FIGURE 1
 SITE MAP SHOWING LOCATIONS OF SOIL BORINGS
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA



Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

CAD FILE	DSCA ID#	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1253917.DWG	01-0013	AW	MG	1" = 30'	07-02-2013	45.34341.0113

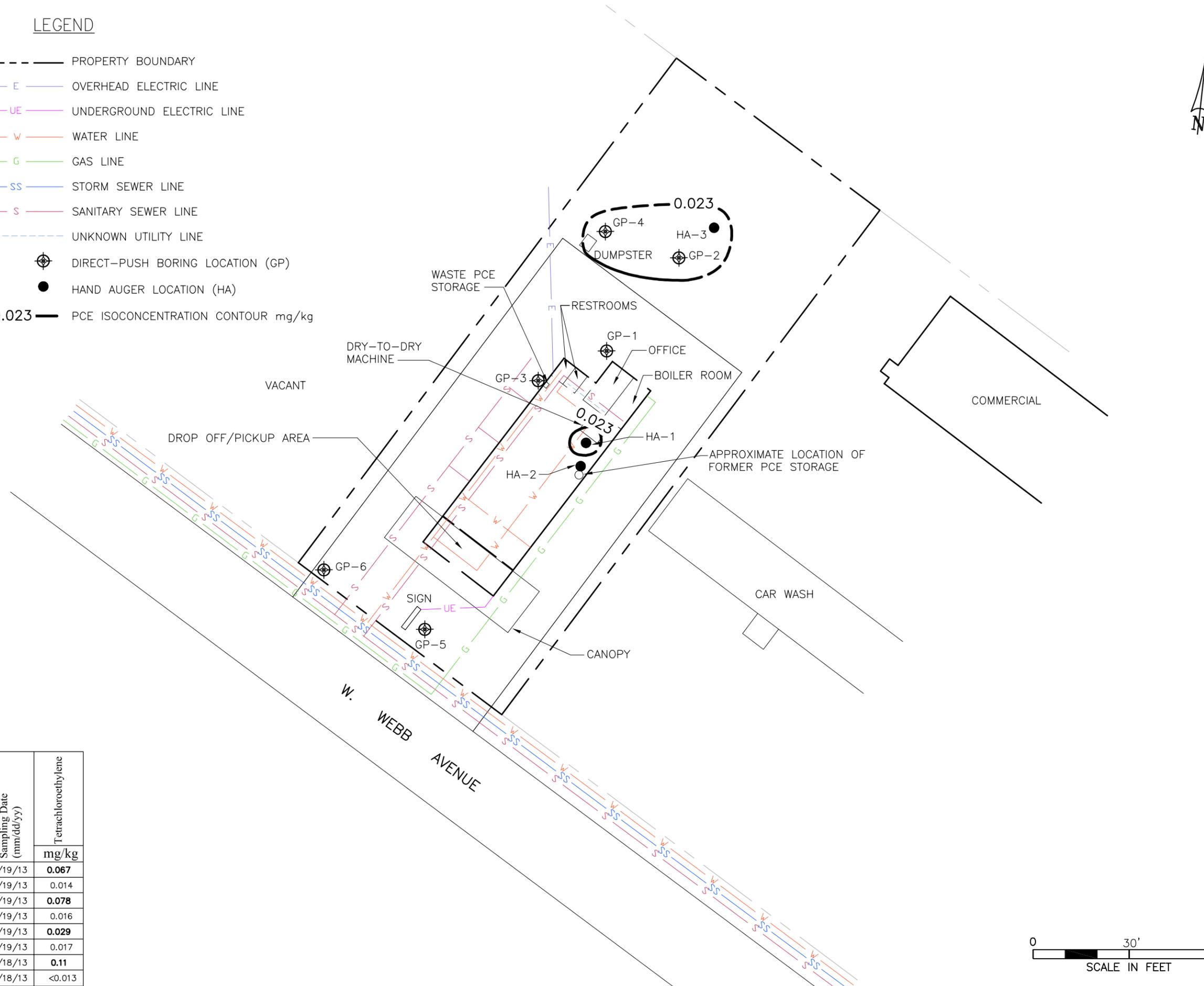
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NOTES:

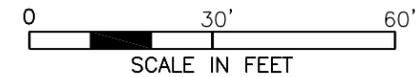
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LEGEND

- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- GAS LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- UNKNOWN UTILITY LINE
- DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- 0.023 PCE ISOCONCENTRATION CONTOUR mg/kg



Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene
			mg/kg
HA-1	1-3	2/19/13	0.067
HA-2	1-3	2/19/13	0.014
HA-3	1-2	2/19/13	0.078
GP-1	1-3	2/19/13	0.016
GP-2	2-3	2/19/13	0.029
GP-3	1-3	2/19/13	0.017
GP-4	1-2	2/18/13	0.11
GP-5	0-2	2/18/13	<0.013



NOTES:

- CONCENTRATIONS ABOVE DSCA TIER I RBSL FOR PCE (0.023 mg/kg) SHOWN IN BOLD.

FIGURE 2A
 SURFICIAL SOIL PCE ISOCONCENTRATION CONTOUR MAP
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA

CAD FILE 1253917.DWG	DSCA ID# 01-0013	PREP. BY AW	REV. BY MG	SCALE 1" = 30'	DATE 07-02-2013	PROJECT NO. 45.34341.0113
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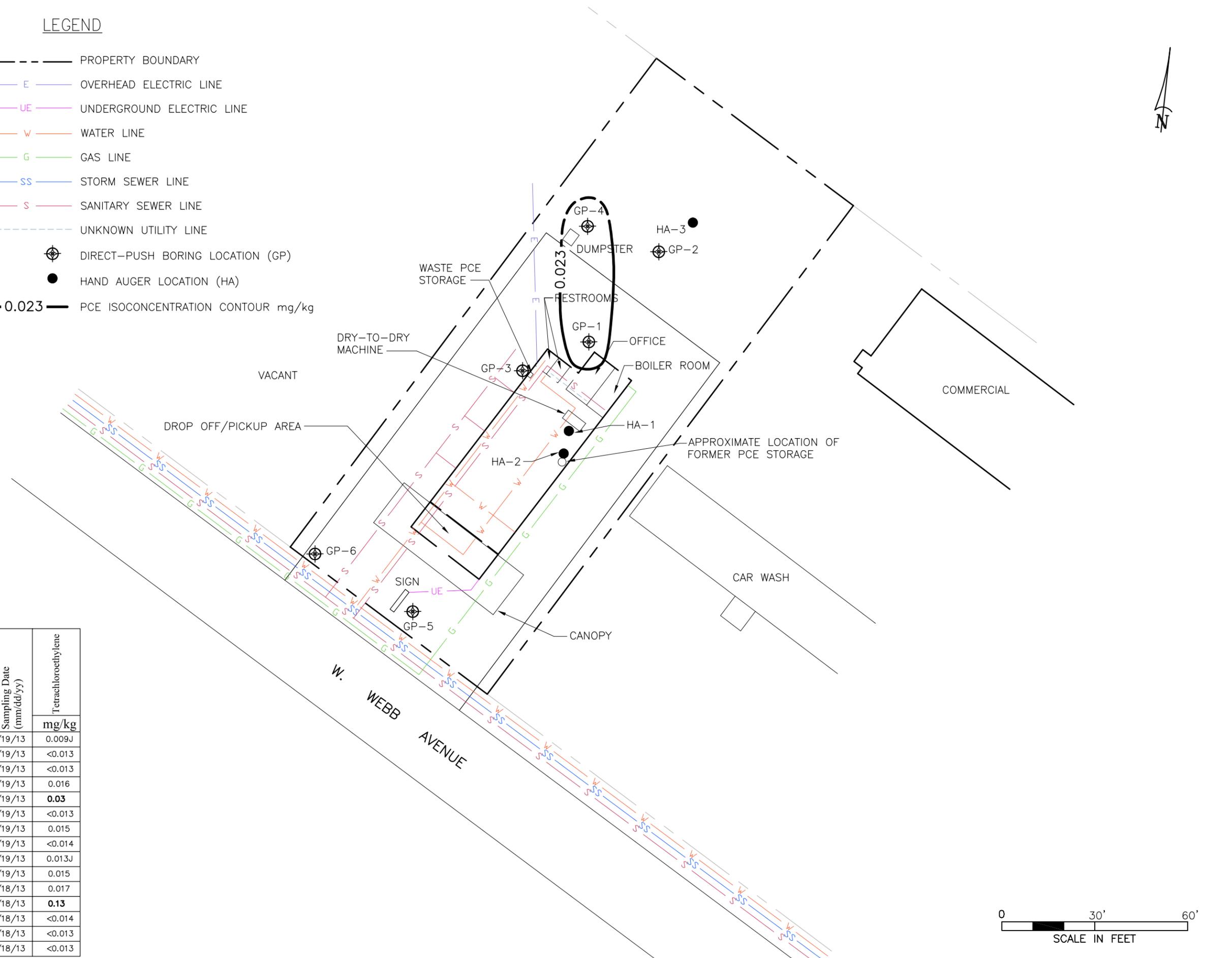


Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

07/16/2013 3:06pm - H:\125 - ATC\1253917-1-Hour Klean - 1253917_p1-07-02-13.dwg

LEGEND

- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- GAS LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- UNKNOWN UTILITY LINE
- DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- 0.023 PCE ISOCONCENTRATION CONTOUR mg/kg



Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene
			mg/kg
HA-1	3-5	2/19/13	0.009J
HA-2	3-5	2/19/13	<0.013
HA-3	4-5	2/19/13	<0.013
GP-1	10-12	2/19/13	0.016
GP-1	14-16	2/19/13	0.03
GP-2	6-8	2/19/13	<0.013
GP-2	10-12	2/19/13	0.015
GP-3	3-5	2/19/13	<0.014
GP-3	6-8	2/19/13	0.013J
GP-3	10-12	2/19/13	0.015
GP-4	8-10	2/18/13	0.017
GP-4	12-15	2/18/13	0.13
GP-5	4-6	2/18/13	<0.014
GP-5	8-10	2/18/13	<0.013
GP-5	14-16	2/18/13	<0.013

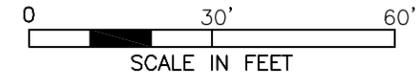


FIGURE 2B

SUBSURFACE SOIL PCE ISOCONCENTRATION CONTOUR MAP
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA



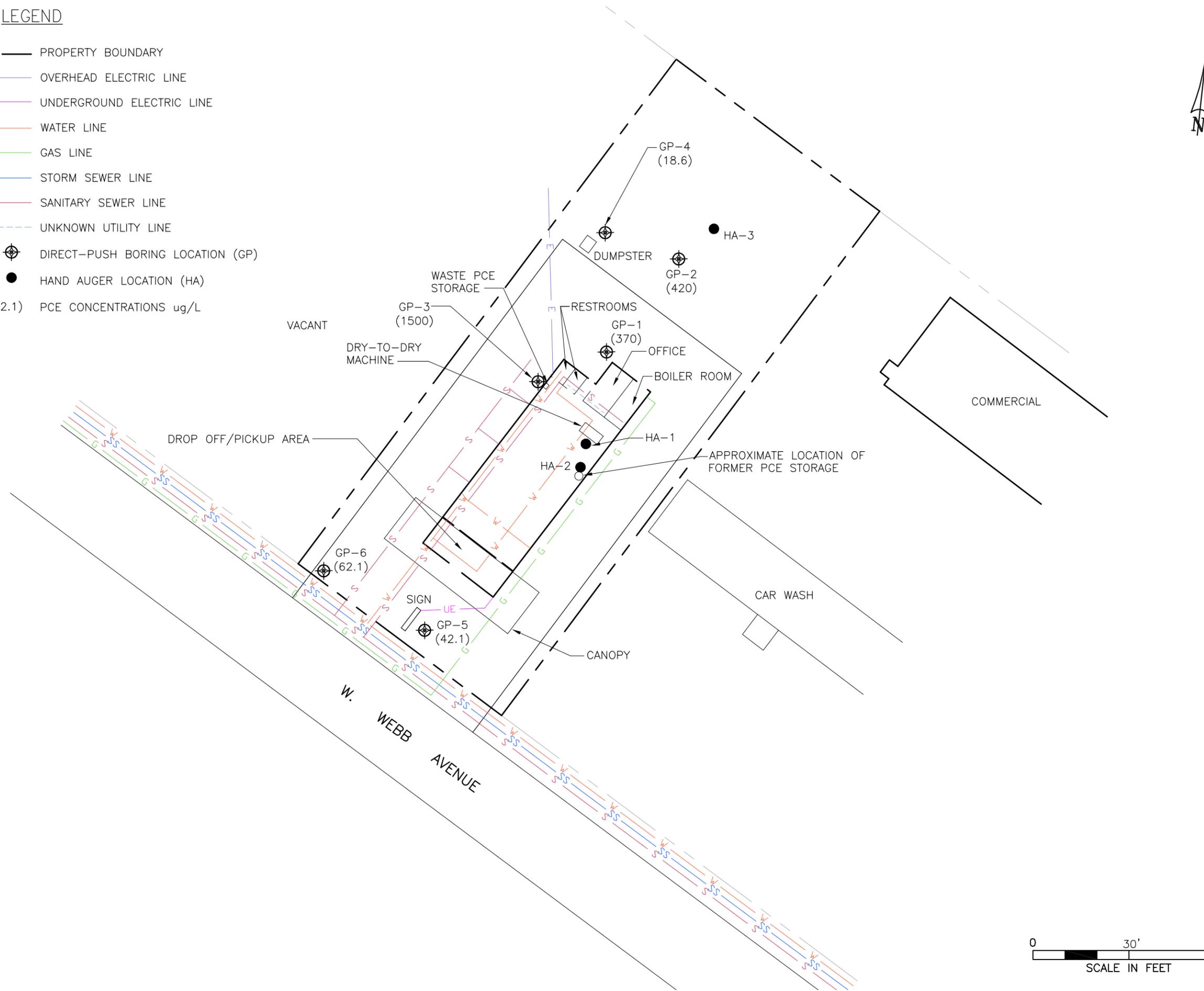
Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

CAD FILE	DSCA ID#	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1253917.DWG	01-0013	AW	MG	1" = 30'	07-02-2013	45.34341.0113

NOTES:
 1. CONCENTRATIONS ABOVE DSCA TIER 1 RBSL FOR PCE (0.023 mg/kg) SHOWN IN BOLD.

LEGEND

- — — — — PROPERTY BOUNDARY
- E — OVERHEAD ELECTRIC LINE
- UE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- G — GAS LINE
- SS — STORM SEWER LINE
- S — SANITARY SEWER LINE
- - - - - UNKNOWN UTILITY LINE
- ⊕ DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- (62.1) PCE CONCENTRATIONS ug/L



07/16/2013 4:05pm - sthompson - H:\125 - ATC\1253917-1-Hour Klean - 1253917_p1-07-02-13.dwg

NOTES:

FIGURE 3
 PCE CONCENTRATION MAP
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA

CAD FILE 1253917.DWG
 DSCA ID# 01-0013
 PREP. BY AW

REV. BY MG

SCALE 1" = 30'

DATE 07-02-2013

PROJECT NO. 45.34341.0113

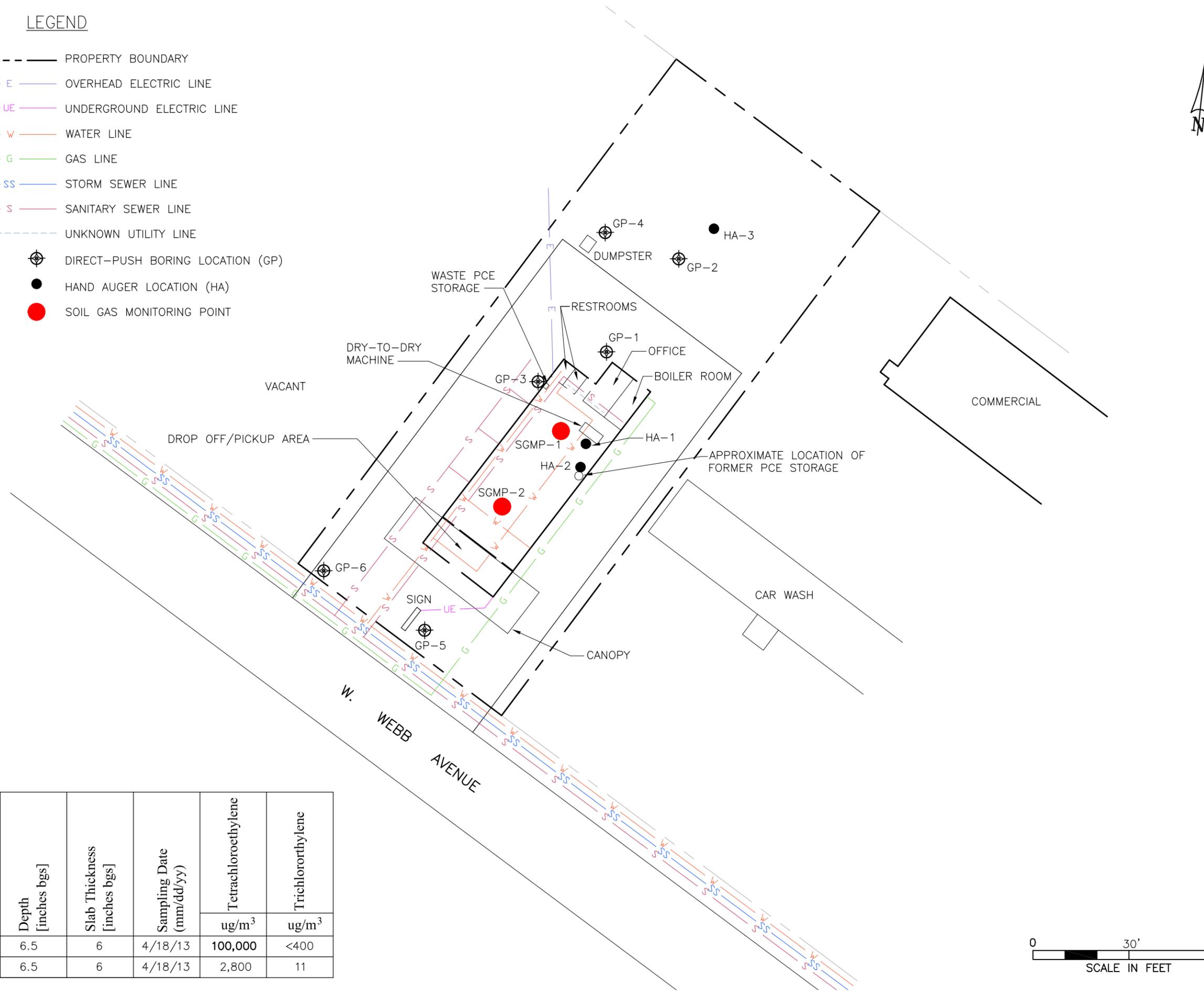


Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

07/16/2013 3:11pm - sthompson - H:\125 - ATC\1253917-1-Hour Klean\1253917_p1-07-02-13.dwg

LEGEND

- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- GAS LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- UNKNOWN UTILITY LINE
- DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- SOIL GAS MONITORING POINT



Sample ID	Depth [inches bgs]	Slab Thickness [inches bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene	Trichloroethylene
				ug/m ³	ug/m ³
SGMP-1	6.5	6	4/18/13	100,000	<400
SGMP-2	6.5	6	4/18/13	2,800	11

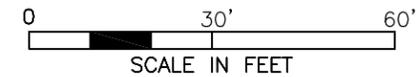


FIGURE 4
SITE MAP
1 HOUR KLEAN
1785 W. WEBB AVENUE
BURLINGTON, NORTH CAROLINA

NOTES:
 1. CONCENTRATIONS REPORTED ABOVE THE DIVISION OF WASTE MANAGEMENT (DWM) NON-RESIDENTIAL SOIL GAS SCREENING LEVELS (SGSLs) ARE SHOWN IN BOLD.



Raleigh, North Carolina 27604
 (919) 871-0999 FAX (919) 871-0335

CAD FILE	DSCA ID#	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1253917.DWG	01-0013	AW	MG	1" = 30'	07-02-2013	45.34341.0113

**ATTACHMENT A
BORING LOGS**

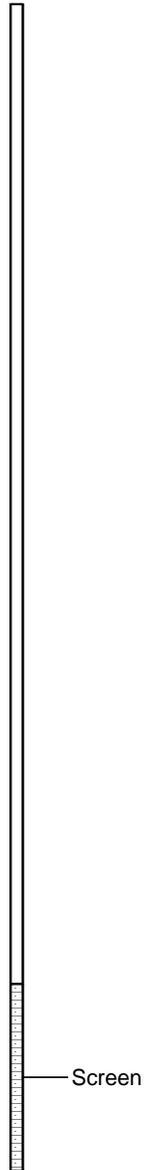


BORING LOG: GP-1

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC	Date(s) Drilled : 2/19/13 Drilling Contractor : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
ATC Project No. 45.34341.0113	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID
0	AR		Concrete	
1	CL		Brown sandy CLAY, moist	
2			Reddish brown silty CLAY with high mica content, wet at 15 feet bgs	0.0
3				
4	CL			0.1
5				0.3
6				0.3
7			Yellowish tan SAND	0.2
8	SP			0.2
9				1.5
10			Reddish brown silty CLAY with high mica content, wet at 16 feet bgs	0.1
11				0.3
12				
13				
14				
15				
16				
17	CL			
18				
19				
20				
21				
22				
23				
24				
25			End of boring	



bgs = below ground surface
 Groundwater sample collected 21 to 25 feet bgs.

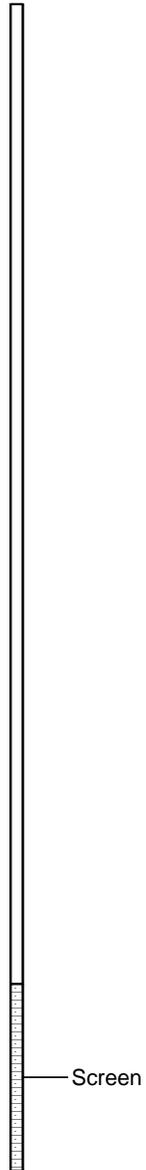


BORING LOG: GP-2

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC ATC Project No. 45.34341.0113	Date(s) Drilled : 2/18/13 Drilling Contractor : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID	GP-2: 21-25
0	AR		Asphalt		
1	CL		Dark brown sandy CLAY	0.0	
2			Reddish brown silty CLAY, wet at 15 feet bgs	0.0	
3					
4				0.1	
5				0.2	
6					
7				1.1	
8					
9				0.4	
10					
11				2.5	
12					
13					
14	CL			1.2	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25			End of boring		



bgs = below ground surface
 Groundwater sample collected 21 to 25 feet bgs.



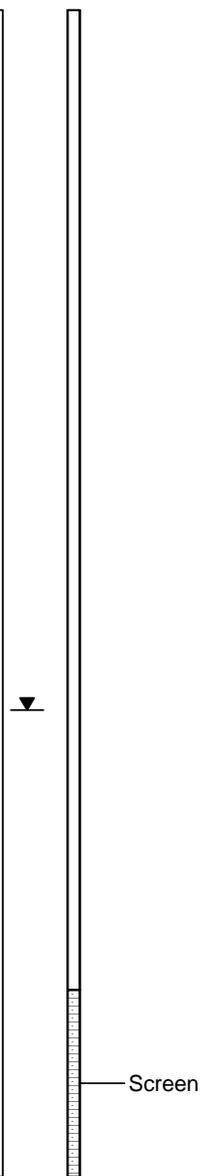
BORING LOG: GP-3

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC	Date(s) Drilled : 2/18/13 Drilling Contractor : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
ATC Project No. 45.34341.0113	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID
0	AR		Concrete	
1	CL		Light brown sandy CLAY, moist	
2			Reddish brown silty CLAY with high mica content, wet at 15 feet bgs	0.2
3				
4				0.3
5				0.2
6				
7				0.5
8				
9				0.3
10				
11				0.4
12				
13				
14	CL			0.1
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25			End of boring	

GP-3: 21-25



Screen

bgs = below ground surface
 Groundwater sample collected 21 to 25 feet bgs.

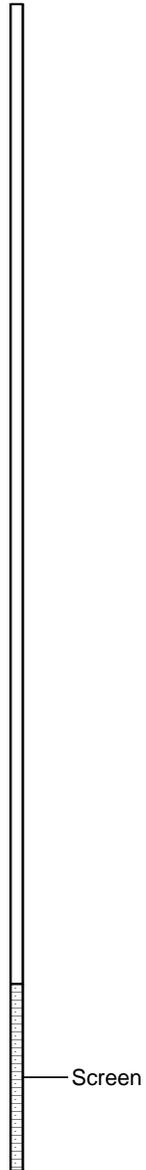


BORING LOG: GP-4

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC ATC Project No. 45.34341.0113	Date(s) Drilled : 2/18/13 Drilling Contractor : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID	GP-4: 21-25
0	AR		Asphalt		
1	CL		Dark brown silty CLAY	1.2	
2			Light brown silty CLAY		
3	CL			1.3	
4			Reddish brown silty CLAY with high mica content, wet at 16 feet bgs		
5				0.8	
6				1.8	
7				2.9	
8	CL			1.0	
9				3.1	
10					
11					
12					
13					
14					
15			Light brown silty CLAY, wet at 15 feet bgs		
16					
17					
18	CL				
19					
20					
21					
22					
23					
24					
25			End of boring		



bgs = below ground surface
 Groundwater sample collected 21 to 25 feet bgs.

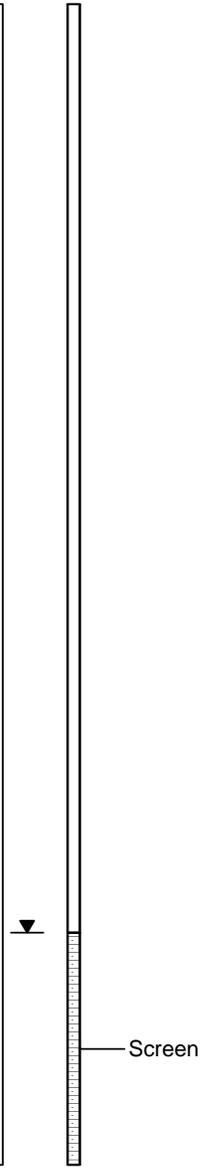


BORING LOG: GP-5

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC ATC Project No. 45.34341.0113	Date(s) Drilled : 2/18/13 Drilling Contractor : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID	GP-5: 16-20
0	F44		Grass and organics		
1			Reddish brown silty CLAY	1.0	
2				0.6	
3				0.6	
4				0.4	
5	CL			0.4	
6				7.0	
7				1.3	
8				1.2	
9				1.0	
10	CL		Light brown silty CLAY		
11					
12			Reddish brown silty CLAY with high mica content, wet at 16 feet bgs		
13					
14					
15	CL				
16					
17					
18					
19					
20			End of boring		



bgs = below ground surface
 Groundwater sample collected 16 to 20 feet bgs.



BORING LOG: GP-6

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC ATC Project No. 45.34341.0113	Date(s) Drilled : 2/18/13 Driller : Saedacco Drilling Method : Geoprobe with direct push	Boring Diameter : 2" Sampling Method : Macrocore Tubes Sampling Interval : Continuous
	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION
0	AR		Concrete
1	CL		Light brown sandy CLAY, moist
2			Reddish brown silty CLAY, moist, high mica content
3	CL		
4			
5			Lithology not recorded
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			End of boring

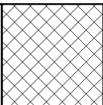
Groundwater sample collected at 21-25 feet bgs
 bgs = below ground surface



BORING LOG: HA-1

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC	Date(s) Drilled : 2/19/13 Drilling Contractor : Saedacco Drilling Method : Hand Auger	Boring Diameter : 2" Sampling Method : Soil Cuttings Sampling Interval : Continuous
ATC Project No. 45.34341.0113		Logged By : Kristen Ross

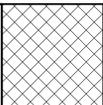
Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID
0	AR		Concrete	
1	CL		Light gray sandy CLAY	
2			Reddish brown silty CLAY, micaceous	1.2
3	CL			
4				2.9
5			End of boring	



BORING LOG: HA-2

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC	Date(s) Drilled : 2/19/13 Drilling Contractor : Saedacco Drilling Method : Hand Auger	Boring Diameter : 2" Sampling Method : Soil Cuttings Sampling Interval : Continuous
ATC Project No. 45.34341.0113	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID
0	AR		Concrete	
1	CL		Light brown sandy CLAY	
2			Reddish brown silty CLAY, micaceous	1.5
3	CL			
4				1.4
5			End of boring	



BORING LOG: HA-3

(Page 1 of 1)

Client: NCDENR One Hour Klean 1785 W. Webb Avenue Burlington, Alamance County, NC	Date(s) Drilled : 2/19/13 Drilling Contractor : Saedacco Drilling Method : Hand Auger	Boring Diameter : 2" Sampling Method : Soil Cuttings Sampling Interval : Continuous
ATC Project No. 45.34341.0113	Logged By : Kristen Ross	

Depth In Feet	USCS	GRAPHIC	DESCRIPTION	PID
0			Topsoil, organic matter	
0.3			Topsoil, organic matter	
1	CL		Dark brown sandy CLAY	0.3
0.5			Dark brown sandy CLAY	
2			Reddish brown silty CLAY, micaceous	0.1
0.1			Reddish brown silty CLAY, micaceous	
3	CL			0.1
0.1				
4				0.4
0.4				
5			End of boring	

**ATTACHMENT B
LABORATORY REPORT**



KB LABS, INC.
6821 SW Archer Road
Gainesville, Florida 32608

Telephone (352) 367-0073

Fax (352) 378-6491

Email: info@kbmobilelabs.com

April 17, 2013

Meghan Greiner
Cardno ATC
2725 E. Millbrook Road, Suite 121
Raleigh, NC 27604

**RE: Norge Cleaners, Boston Cleaners, One Hour Kleaners, Burlington, NC - Final Data Report -RevA
KB Labs Project # 13-18**

Dear Ms. Greiner:

Enclosed is the final report of the on-site analysis performed by KB Labs, Inc. at the above referenced site. Included are a brief project narrative, data report narrative, tables listing quality control results, final analytical results, and sample chain-of-custody form.

KB Labs' mobile laboratory (KB-2) has been inspected by the North Carolina Department of Environment and Natural Resources and is certified by the Division of Water Quality. Our personnel, methodology, proficiency testing, and quality assurance requirements comply with the guidelines of 15 NCAC 2B.0500, 2H.0900 and 2L .0100, .0200, .0300, and 2N .0100 through .0800 and with the consensus standards adopted at the National Environmental Laboratory Accreditation Conference (NELAC). Data for the site referenced above were determined in accordance with published procedures under Test Methods for Evaluating Solid Waste (EPA SW-846, Update III Revised May 1997). Unless otherwise indicated on the quality control narrative accompanying the data report, the quality assurance and quality control procedures performed in conjunction with analysis of groundwater samples demonstrated that the reported data met our requirements for accuracy and precision under NCDENR and NELAC Standards.

If you have any questions, please do not hesitate to call me or Kelly Bergdoll, President of KB Labs, at (352) 472-5830.

Sincerely,

KB Labs, Inc.

Todd Romero
Director of Operations

"KB Labs is a small, woman-owned business enterprise."



KB Labs, Inc.
25132 SW 1st Ave
Newberry, FL 32669
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PROJECT NARRATIVE

Project Scope

From February 12 to 20, 2013, a total of 67 samples (32 soils and 35 waters) were analyzed for Cardno ATC at Norge Cleaners, Boston Cleaners, and One-Hour Kleaners, Burlington, NC. The samples were analyzed for vinyl chloride, 1,1-dichloroethene, cis- and trans-1, 2-dichloroethene, trichloroethene, tetrachloroethene, benzene, toluene, ethylbenzene and xylenes.

NELAP Certification

KB Mobile Labs Unit KB2: NCDENR Certification Number 632
KB Labs: (% Solids)

Analytical Procedure

All samples were analyzed using SW846 Method 5030/8260 for waters. Ten (10) milliliters (mL) of water or air (air samples) were purged with helium and the volatile organic compounds (VOCs) were collected on a solid-phase adsorption trap. The adsorption trap was heated and back-purged with helium. The components were then separated by capillary column gas chromatography and measured with a mass spectrometer (GC/MS) operated in the electron impact full-scan mode. The individual VOCs in the samples were measured against corresponding VOC standards.

The soil samples were analyzed using SW846 Method 5030/8260. One (1) gram (g) of soil sample was added to 10 mL of laboratory reagent water, heated and analyzed like a water sample as described above.

Soil data are corrected for percent solid values supplied by KB Labs.

Analytical Results

Laboratory results were provided to the client on an as-completed or next-day basis. Final results of the on-site analyses are provided in a hardcopy report and the results relate only to the actual samples received and analyzed in the laboratory. The data produced and reported in the field has been reviewed and approved for this final report by the Director of Operations for KB Labs.

Uncertainty of Reported Values

All measurement data presented in this report are subject to a degree of uncertainty and the degree of uncertainty varies with each compound of interest. KB Labs estimates the

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uncertainty of each measurement using a statistical evaluation of the standard deviation from the mean percent recovery of a number of trials of a given measurement. More specifically, KB Labs maintains historical percent recovery control limits at the 99% confidence level for each analyte of interest. These are calculated as ± 3 times the standard deviation from the mean of historical measurements of the percent recovery of spikes of the analytes of interest into actual and control sample matrices. For example, if the lower and upper percent recovery control limits for a specific analyte of interest have been determined to be 70 and 100 percent respectively, a reported value of 10.0 ug/L will be with 99% confidence 7.0 to 13.0 ug/L. For more information about KB Labs estimation of uncertainty, contact KB Labs' quality assurance officer and/or request a copy of KB Labs' SOP for determining measurement uncertainty.

Quality Control (QC) Data

Surrogate Recoveries – Table 1 lists the daily analytical sequence and percent recovery results for surrogate compounds, which were added to all analyses. Four (4) surrogate compounds were added to each analysis in order to continually monitor general method performance.

VOC Spike Recoveries – Table 2 lists the percent recovery results for matrix spike and laboratory control samples. A known amount of each target compound was added to selected field samples and to laboratory reagent water in order to monitor the performance of each of the target compounds in the actual matrix and in laboratory reagent water.

Method Blanks – Daily analysis of laboratory reagent water samples was performed in order to monitor the cleanliness of the analytical system.

DATA REPORT NARRATIVE

1. All sample data has been reviewed and, if required, updated in the Final Data Report for rounding, sample weights, and significant figures.
2. Values between KB Labs Reporting Limit (RL) and Method Detection Limit (MDL) are reported per NCDENR DSCA requirements. All data indicated with J Data Qualifier.
3. OHK-4 and OHK-5 samples IDs changed per Client to GP-4 and GP-5, respectively.

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KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No: 13-18
On-site Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Soil/Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
METHOD BLANK	02/12/13	116	91	91	109	Pass	Pass	Pass	Pass
CCS 50	02/12/13	99	77	100	103	Pass	Pass	Pass	Pass
LCS 20	02/12/13	98	76	103	95	Pass	Pass	Pass	Pass
GP-7 12-16	02/12/13	110	88	94	104	Pass	Pass	Pass	Pass
GP-71 12-16	02/12/13	113	92	92	107	Pass	Pass	Pass	Pass
GP-72 12-16	02/12/13	114	92	92	102	Pass	Pass	Pass	Pass
SW-3	02/12/13	117	93	93	107	Pass	Pass	Pass	Pass
SW-4	02/12/13	119	94	94	104	Pass	Pass	Pass	Pass
GP-74 12-16	02/12/13	116	91	94	109	Pass	Pass	Pass	Pass
GP-71 12-16	02/12/13	124	100	93	106	Pass	Pass	Pass	Pass
GP-76 12-16	02/12/13	125	95	90	106	Pass	Pass	Pass	Pass
SW-5	02/12/13	122	98	92	109	Pass	Pass	Pass	Pass
SW-6	02/12/13	122	98	93	106	Pass	Pass	Pass	Pass
SW-6 MS	02/12/13	108	87	96	100	Pass	Pass	Pass	Pass
SW-6 MSD	02/12/13	108	89	94	100	Pass	Pass	Pass	Pass
GP-74 12-16	02/12/13	116	92	93	107	Pass	Pass	Pass	Pass
SW-7	02/12/13	122	101	90	106	Pass	Pass	Pass	Pass
CCS 50	02/12/13	100	78	96	99	Pass	Pass	Pass	Pass
BLANK TUNE	02/13/13	94	84	102	110	Pass	Pass	Pass	Pass
CCS 50	02/13/13	100	101	97	91	Pass	Pass	Pass	Pass
LCS 20	02/13/13	92	84	110	102	Pass	Pass	Pass	Pass
BLANK	02/13/13	99	86	103	108	Pass	Pass	Pass	Pass
SOIL LCS 20	02/13/13	94	86	109	100	Pass	Pass	Pass	Pass
SOIL BLANK	02/13/13	100	86	102	109	Pass	Pass	Pass	Pass
GP-77 12-16	02/13/13	100	89	106	110	Pass	Pass	Pass	Pass
GP-77 12-16 MS	02/13/13	92	89	110	100	Pass	Pass	Pass	Pass
GP-77 12-16 MSD	02/13/13	90	87	109	103	Pass	Pass	Pass	Pass
BLANK	02/13/13	97	85	102	109	Pass	Pass	Pass	Pass
ICAL 1.0	02/13/13	103	91	104	102	Pass	Pass	Pass	Pass
ICAL 1.0	02/13/13	102	91	103	99	Pass	Pass	Pass	Pass
ICAL 5.0	02/13/13	102	97	102	96	Pass	Pass	Pass	Pass
ICAL 10.0	02/13/13	98	93	104	98	Pass	Pass	Pass	Pass
ICAL 20.0	02/13/13	95	85	105	103	Pass	Pass	Pass	Pass
GP-80 16-20	02/13/13	100	87	102	110	Pass	Pass	Pass	Pass
ICAL 50	02/13/13	91	78	110	102	Pass	Pass	Pass	Pass
ICAL 100	02/13/13	88	73	103	106	Pass	Pass	Pass	Pass
BLANK	02/13/13	100	97	100	105	Pass	Pass	Pass	Pass
ICV 20	02/13/13	94	90	102	100	Pass	Pass	Pass	Pass
CCS 50	02/13/13	89	83	100	101	Pass	Pass	Pass	Pass
BLANK TUNE	02/14/13	100	98	101	110	Pass	Pass	Pass	Pass
CCS 50	02/14/13	97	92	101	101	Pass	Pass	Pass	Pass
LCS 20	02/14/13	99	101	101	100	Pass	Pass	Pass	Pass
BLANK	02/14/13	104	100	99	108	Pass	Pass	Pass	Pass
SOIL LCS 20	02/14/13	99	99	103	97	Pass	Pass	Pass	Pass

***Surrogate Compounds:**

- S1 = Dibromofluoromethane (73% - 141%)
- S2 = 1,2- Dichloroethane-D4 (63% - 156%)
- S3 = Toluene-D8 (76% - 119%)
- S4 = 4-Bromofluorobenzene (69% - 129%)

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No: 13-18
On-site Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Soil/Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
SOIL BLANK	02/14/13	105	100	98	110	Pass	Pass	Pass	Pass
STREAM BED	02/14/13	106	99	98	107	Pass	Pass	Pass	Pass
STREAM BED MS	02/14/13	95	102	100	97	Pass	Pass	Pass	Pass
STREAM BED MSD	02/14/13	93	88	106	98	Pass	Pass	Pass	Pass
SW-8	02/14/13	104	101	97	107	Pass	Pass	Pass	Pass
GP-81 12-16	02/14/13	106	101	99	106	Pass	Pass	Pass	Pass
TW-2	02/14/13	104	101	97	106	Pass	Pass	Pass	Pass
TW-2 1:20	02/14/13	102	99	99	104	Pass	Pass	Pass	Pass
TW-1 1:10	02/14/13	106	103	95	106	Pass	Pass	Pass	Pass
TW-1 1:200	02/14/13	106	103	96	104	Pass	Pass	Pass	Pass
SW-9	02/14/13	105	101	102	105	Pass	Pass	Pass	Pass
SW-9 MS	02/14/13	95	100	102	96	Pass	Pass	Pass	Pass
SW-9 MSD	02/14/13	93	98	100	100	Pass	Pass	Pass	Pass
B1 2-3	02/14/13	104	103	90	107	Pass	Pass	Pass	Pass
B1 5-6	02/14/13	105	104	101	104	Pass	Pass	Pass	Pass
B1 9-10	02/14/13	104	103	96	106	Pass	Pass	Pass	Pass
B1 11-12	02/14/13	105	102	97	110	Pass	Pass	Pass	Pass
GP-73 9-13	02/14/13	102	102	97	106	Pass	Pass	Pass	Pass
CCS 50	02/14/13	89	88	96	96	Pass	Pass	Pass	Pass
BLANK TUNE	02/15/13	106	101	99	107	Pass	Pass	Pass	Pass
CCS 50	02/15/13	98	96	101	97	Pass	Pass	Pass	Pass
LCS 20	02/15/13	102	106	102	98	Pass	Pass	Pass	Pass
BLANK	02/15/13	107	106	98	108	Pass	Pass	Pass	Pass
SOIL LCS 20	02/15/13	97	105	102	97	Pass	Pass	Pass	Pass
SOIL BLANK	02/15/13	107	104	98	107	Pass	Pass	Pass	Pass
B1 12-16	02/15/13	105	100	101	107	Pass	Pass	Pass	Pass
B1 12-16 MS	02/15/13	94	92	100	99	Pass	Pass	Pass	Pass
B1 12-16 MSD	02/15/13	99	104	103	100	Pass	Pass	Pass	Pass
B2 13-17	02/15/13	104	103	99	107	Pass	Pass	Pass	Pass
B2 2-3	02/15/13	107	105	98	107	Pass	Pass	Pass	Pass
B2 5-6	02/15/13	108	108	97	107	Pass	Pass	Pass	Pass
B2 9-10	02/15/13	111	107	99	105	Pass	Pass	Pass	Pass
B2 12-13	02/15/13	107	105	95	106	Pass	Pass	Pass	Pass
B3 12-16	02/15/13	106	102	102	105	Pass	Pass	Pass	Pass
B4 12-16	02/15/13	79	98	96	115	Pass	Pass	Pass	Pass
B4 12-16 1:10	02/15/13	92	91	96	108	Pass	Pass	Pass	Pass
GP-85 12-16	02/15/13	100	101	94	110	Pass	Pass	Pass	Pass
GP-82 12-16	02/15/13	104	102	94	108	Pass	Pass	Pass	Pass
B-2 12-13 MS	02/15/13	98	110	100	98	Pass	Pass	Pass	Pass
B-2 12-13 MSD	02/15/13	95	94	101	100	Pass	Pass	Pass	Pass
B-5 12-16	02/15/13	97	90	98	112	Pass	Pass	Pass	Pass
B-5 12-16 1:20	02/15/13	102	97	98	104	Pass	Pass	Pass	Pass
CCS 50	02/15/13	92	86	104	101	Pass	Pass	Pass	Pass
BLANK TUNE	02/18/13	97	91	104	113	Pass	Pass	Pass	Pass

***Surrogate Compounds:**

- S1 = Dibromofluoromethane (73% - 141%)
- S2 = 1,2- Dichloroethane-D4 (63% - 156%)
- S3 = Toluene-D8 (76% - 119%)
- S4 = 4-Bromofluorobenzene (69% - 129%)

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No: 13-18
On-site Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Soil/Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
CCS 50	02/18/13	93	88	104	104	Pass	Pass	Pass	Pass
LCS 20	02/18/13	98	94	102	103	Pass	Pass	Pass	Pass
BLANK	02/18/13	103	98	101	112	Pass	Pass	Pass	Pass
SOIL LCS 20	02/18/13	94	88	103	102	Pass	Pass	Pass	Pass
BLANK	02/18/13	101	94	100	108	Pass	Pass	Pass	Pass
SW-10	02/18/13	101	93	101	107	Pass	Pass	Pass	Pass
GP-86 16-20	02/18/13	105	102	100	107	Pass	Pass	Pass	Pass
SW-10 MS	02/18/13	100	99	103	98	Pass	Pass	Pass	Pass
SW-10 MSD	02/18/13	95	93	103	101	Pass	Pass	Pass	Pass
GP-5 1-2	02/18/13	99	98	98	109	Pass	Pass	Pass	Pass
GP-5 4-6	02/18/13	104	105	97	104	Pass	Pass	Pass	Pass
GP-5 8-10	02/18/13	104	104	97	104	Pass	Pass	Pass	Pass
GP-5 14-16	02/18/13	107	108	97	105	Pass	Pass	Pass	Pass
GP-5 14-16 MS	02/18/13	95	95	104	99	Pass	Pass	Pass	Pass
GP-5 14-16 MSD	02/18/13	92	91	102	100	Pass	Pass	Pass	Pass
GP-4 0-2	02/18/13	104	105	100	113	Pass	Pass	Pass	Pass
GP-4 8-10	02/18/13	107	106	98	107	Pass	Pass	Pass	Pass
GP-4 12-15	02/18/13	107	104	98	108	Pass	Pass	Pass	Pass
GP-5 21-25	02/18/13	105	102	96	106	Pass	Pass	Pass	Pass
CCS 50	02/18/13	91	84	103	102	Pass	Pass	Pass	Pass
BLANK TUNE	02/19/13	99	85	107	109	Pass	Pass	Pass	Pass
CCS 50	02/19/13	98	89	104	100	Pass	Pass	Pass	Pass
LCS 20	02/19/13	96	84	106	102	Pass	Pass	Pass	Pass
BLANK	02/19/13	100	86	103	108	Pass	Pass	Pass	Pass
SOIL LCS 20	02/19/13	94	82	109	107	Pass	Pass	Pass	Pass
BLANK	02/19/13	98	84	102	106	Pass	Pass	Pass	Pass
HA-3 1-2	02/19/13	107	95	106	111	Pass	Pass	Pass	Pass
HA-3 4-5	02/19/13	109	107	98	108	Pass	Pass	Pass	Pass
GP-2 2-3	02/19/13	104	90	103	110	Pass	Pass	Pass	Pass
GP-2 6-8	02/19/13	109	105	98	108	Pass	Pass	Pass	Pass
GP-2 10-12	02/19/13	105	93	101	108	Pass	Pass	Pass	Pass
GP-2 21-25	02/19/13	101	90	100	109	Pass	Pass	Pass	Pass
GP-4 21-25	02/19/13	100	90	99	110	Pass	Pass	Pass	Pass
GP-2 21-25 1:10	02/19/13	101	88	101	109	Pass	Pass	Pass	Pass
GP-2 10-12 MS	02/19/13	91	80	108	100	Pass	Pass	Pass	Pass
GP-2 10-12 MSD	02/19/13	90	78	106	101	Pass	Pass	Pass	Pass
HA-1 1-3	02/19/13	100	90	102	107	Pass	Pass	Pass	Pass
HA-1 3-5	02/19/13	102	90	104	108	Pass	Pass	Pass	Pass
HA-2 1-3	02/19/13	104	91	101	112	Pass	Pass	Pass	Pass
HA-2 3-5	02/19/13	104	91	101	108	Pass	Pass	Pass	Pass
GP-3 1-3	02/19/13	107	104	99	111	Pass	Pass	Pass	Pass
GP-3 3-5	02/19/13	105	93	100	108	Pass	Pass	Pass	Pass
GP-3 6-8	02/19/13	109	107	96	106	Pass	Pass	Pass	Pass
GP-3 10-12	02/19/13	104	93	102	109	Pass	Pass	Pass	Pass

***Surrogate Compounds:**

- S1 = Dibromofluoromethane (73% - 141%)
- S2 = 1,2- Dichloroethane-D4 (63% - 156%)
- S3 = Toluene-D8 (76% - 119%)
- S4 = 4-Bromofluorobenzene (69% - 129%)

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No: 13-18
On-site Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Soil/Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
GP-3 21-25	02/19/13	101	88	99	110	Pass	Pass	Pass	Pass
GP-3 21-25 1:20	02/19/13	104	90	99	108	Pass	Pass	Pass	Pass
GP-6 21-25	02/19/13	100	90	100	109	Pass	Pass	Pass	Pass
GP-1 1-3	02/19/13	101	88	102	109	Pass	Pass	Pass	Pass
GP-1 10-12	02/19/13	104	92	100	105	Pass	Pass	Pass	Pass
GP-1 14-16	02/19/13	104	92	101	108	Pass	Pass	Pass	Pass
GP-1 21-25	02/19/13	102	90	103	110	Pass	Pass	Pass	Pass
BLANK	02/19/13	98	94	91	119	Pass	Pass	Pass	Pass
CCS 50	02/19/13	89	76	104	105	Pass	Pass	Pass	Pass
BLANK	02/19/13	98	86	102	109	Pass	Pass	Pass	Pass
GP-1 21-25 1:10	02/19/13	100	87	104	114	Pass	Pass	Pass	Pass
B-6 12-16	02/19/13	103	100	96	110	Pass	Pass	Pass	Pass
B-7 12-16	02/19/13	103	100	97	111	Pass	Pass	Pass	Pass
B-7 12-16 MS	02/19/13	92	88	101	101	Pass	Pass	Pass	Pass
B-7 12-16 MSD	02/19/13	92	89	101	105	Pass	Pass	Pass	Pass
CCS 50	02/19/13	89	84	102	111	Pass	Pass	Pass	Pass
BLANK TUNE	02/20/13	104	98	100	110	Pass	Pass	Pass	Pass
CCS 50	02/20/13	91	84	101	103	Pass	Pass	Pass	Pass
LCS 20	02/20/13	94	90	101	102	Pass	Pass	Pass	Pass
BLANK	02/20/13	105	101	97	106	Pass	Pass	Pass	Pass
B-6 12-16 1:10	02/20/13	103	100	96	109	Pass	Pass	Pass	Pass
CCS 50	02/20/13	94	87	101	103	Pass	Pass	Pass	Pass
Comments:	Although some surrogates may be out of the control percent recovery range, other supporting QC, such as matrix spikes, matrix spike duplicates, method blanks, and laboratory control samples, are performed by KB Labs to further validate reported data.								

***Surrogate Compounds:**

- S1 = Dibromofluoromethane (73% - 141%)
- S2 = 1,2- Dichloroethane-D4 (63% - 156%)
- S3 = Toluene-D8 (76% - 119%)
- S4 = 4-Bromofluorobenzene (69% - 129%)

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Matrix Spike/Matrix Spike Duplicate (MS/MSD):

Samples: SW-6		Date of Analysis: 2/12/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	76	78	2	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	88	89	2	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	91	92	1	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	106	107	1	Pass	Pass	Pass
Benzene	71	123	20	110	110	1	Pass	Pass	Pass
Trichloroethene	64	134	20	108	110	2	Pass	Pass	Pass
Toluene	67	130	20	113	111	2	Pass	Pass	Pass
Tetrachloroethene	54	140	20	99	96	3	Pass	Pass	Pass
Ethylbenzene	69	125	20	117	116	1	Pass	Pass	Pass
m,p-Xylene	63	144	20	97	97	1	Pass	Pass	Pass
o-Xylene	74	125	20	105	106	1	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: GP-77 12-16		Date of Analysis: 2/13/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	59	59	1	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	65	67	3	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	67	68	2	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	79	81	3	Pass	Pass	Pass
Benzene	71	123	20	85	87	2	Pass	Pass	Pass
Trichloroethene	64	134	20	81	83	3	Pass	Pass	Pass
Toluene	67	130	20	95	97	2	Pass	Pass	Pass
Tetrachloroethene	54	140	20	87	87	1	Pass	Pass	Pass
Ethylbenzene	69	125	20	103	108	4	Pass	Pass	Pass
m,p-Xylene	63	144	20	83	86	4	Pass	Pass	Pass
o-Xylene	74	125	20	92	100	8	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Samples: STREAM BED		Date of Analysis: 2/14/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	74	89	19	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	72	88	20	Pass	Pass	> RPDL
Trans-1,2-Dichloroethene	48	145	20	74	87	15	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	91	95	5	Pass	Pass	Pass
Benzene	71	123	20	103	95	8	Pass	Pass	Pass
Trichloroethene	64	134	20	102	91	12	Pass	Pass	Pass
Toluene	67	130	20	106	99	6	Pass	Pass	Pass
Tetrachloroethene	54	140	20	102	96	6	Pass	Pass	Pass
Ethylbenzene	69	125	20	114	105	8	Pass	Pass	Pass
m,p-Xylene	63	144	20	98	89	9	Pass	Pass	Pass
o-Xylene	74	125	20	107	98	9	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: SW-9		Date of Analysis: 2/14/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	72	74	3	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	72	75	5	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	74	75	1	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	86	87	2	Pass	Pass	Pass
Benzene	71	123	20	95	92	4	Pass	Pass	Pass
Trichloroethene	64	134	20	94	89	5	Pass	Pass	Pass
Toluene	67	130	20	98	92	7	Pass	Pass	Pass
Tetrachloroethene	54	140	20	93	86	8	Pass	Pass	Pass
Ethylbenzene	69	125	20	103	102	1	Pass	Pass	Pass
m,p-Xylene	63	144	20	88	87	1	Pass	Pass	Pass
o-Xylene	74	125	20	96	97	1	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Samples: B-1 12-16		Date of Analysis: 2/15/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	60	81	29	Pass	Pass	> RPDL
1,1-Dichloroethene	47	143	20	62	89	35	Pass	Pass	> RPDL
Trans-1,2-Dichloroethene	48	145	20	66	87	28	Pass	Pass	> RPDL
Cis-1,2-Dichloroethene	51	147	20	79	96	19	Pass	Pass	Pass
Benzene	71	123	20	87	93	6	Pass	Pass	Pass
Trichloroethene	64	134	20	87	91	5	Pass	Pass	Pass
Toluene	67	130	20	93	98	4	Pass	Pass	Pass
Tetrachloroethene	54	140	20	87	91	4	Pass	Pass	Pass
Ethylbenzene	69	125	20	99	104	4	Pass	Pass	Pass
m,p-Xylene	63	144	20	84	88	5	Pass	Pass	Pass
o-Xylene	74	125	20	95	99	5	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: B-2 12-13		Date of Analysis: 2/15/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	73	71	4	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	76	73	5	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	77	73	5	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	92	87	5	Pass	Pass	Pass
Benzene	71	123	20	98	91	7	Pass	Pass	Pass
Trichloroethene	64	134	20	97	91	7	Pass	Pass	Pass
Toluene	67	130	20	100	95	5	Pass	Pass	Pass
Tetrachloroethene	54	140	20	96	91	5	Pass	Pass	Pass
Ethylbenzene	69	125	20	109	105	4	Pass	Pass	Pass
m,p-Xylene	63	144	20	93	89	4	Pass	Pass	Pass
o-Xylene	74	125	20	102	98	3	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Samples: SW-10		Date of Analysis: 2/18/2013								
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks			
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD	
Vinyl Chloride	38	145	20	136	125	9	Pass	Pass	Pass	
1,1-Dichloroethene	47	143	20	121	110	10	Pass	Pass	Pass	
Trans-1,2-Dichloroethene	48	145	20	117	108	8	Pass	Pass	Pass	
Cis-1,2-Dichloroethene	51	147	20	112	108	4	Pass	Pass	Pass	
Benzene	71	123	20	116	110	5	Pass	Pass	Pass	
Trichloroethene	64	134	20	113	108	5	Pass	Pass	Pass	
Toluene	67	130	20	119	112	6	Pass	Pass	Pass	
Tetrachloroethene	54	140	20	120	113	6	Pass	Pass	Pass	
Ethylbenzene	69	125	20	121	119	2	Pass	Pass	Pass	
m,p-Xylene	63	144	20	105	102	2	Pass	Pass	Pass	
o-Xylene	74	125	20	112	111	1	Pass	Pass	Pass	

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: GP-5 14-16		Date of Analysis: 2/18/2013								
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks			
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD	
Vinyl Chloride	38	145	20	129	117	10	Pass	Pass	Pass	
1,1-Dichloroethene	47	143	20	113	100	13	Pass	Pass	Pass	
Trans-1,2-Dichloroethene	48	145	20	115	101	13	Pass	Pass	Pass	
Cis-1,2-Dichloroethene	51	147	20	108	99	8	Pass	Pass	Pass	
Benzene	71	123	20	113	109	3	Pass	Pass	Pass	
Trichloroethene	64	134	20	109	107	2	Pass	Pass	Pass	
Toluene	67	130	20	115	109	6	Pass	Pass	Pass	
Tetrachloroethene	54	140	20	116	109	6	Pass	Pass	Pass	
Ethylbenzene	69	125	20	120	115	4	Pass	Pass	Pass	
m,p-Xylene	63	144	20	103	100	3	Pass	Pass	Pass	
o-Xylene	74	125	20	110	108	2	Pass	Pass	Pass	

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Samples: GP-2 10-12		Date of Analysis: 2/19/136							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	74	73	2	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	70	70	0	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	73	72	2	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	81	81	1	Pass	Pass	Pass
Benzene	71	123	20	91	89	2	Pass	Pass	Pass
Trichloroethene	64	134	20	86	84	2	Pass	Pass	Pass
Toluene	67	130	20	99	95	4	Pass	Pass	Pass
Tetrachloroethene	54	140	20	89	84	6	Pass	Pass	Pass
Ethylbenzene	69	125	20	106	102	4	Pass	Pass	Pass
m,p-Xylene	63	144	20	86	82	4	Pass	Pass	Pass
o-Xylene	74	125	20	95	92	3	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: B-7 12-16		Date of Analysis: 2/19/2013							
Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	38	145	20	111	109	2	Pass	Pass	Pass
1,1-Dichloroethene	47	143	20	95	91	4	Pass	Pass	Pass
Trans-1,2-Dichloroethene	48	145	20	95	93	2	Pass	Pass	Pass
Cis-1,2-Dichloroethene	51	147	20	98	99	1	Pass	Pass	Pass
Benzene	71	123	20	106	108	2	Pass	Pass	Pass
Trichloroethene	64	134	20	103	106	3	Pass	Pass	Pass
Toluene	67	130	20	107	109	2	Pass	Pass	Pass
Tetrachloroethene	54	140	20	100	100	0	Pass	Pass	Pass
Ethylbenzene	69	125	20	114	121	6	Pass	Pass	Pass
m,p-Xylene	63	144	20	98	104	7	Pass	Pass	Pass
o-Xylene	74	125	20	107	114	7	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Laboratory Control Spikes (LCS):

Samples: LCS 1	Date of Analysis: 2/12/2013							
LCS 2	2/13/2013							
LCS 3	2/13/2013							
Spike Compounds	Control Limits		Percent Recoveries			Control Limit Checks		
	Lower	Upper	LCS#1	LCS#2	LCS#3	LCS#1	LCS#2	LCS#3
Vinyl Chloride	37	to 158	80	86	68	Pass	Pass	Pass
1,1-Dichloroethene	52	to 147	97	89	75	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	to 148	93	91	76	Pass	Pass	Pass
Cis-1,2-Dichloroethene	59	to 142	90	98	91	Pass	Pass	Pass
Benzene	71	to 130	102	106	95	Pass	Pass	Pass
Trichloroethene	69	to 132	98	99	91	Pass	Pass	Pass
Toluene	70	to 134	112	114	104	Pass	Pass	Pass
Tetrachloroethene	58	to 145	110	109	96	Pass	Pass	Pass
Ethylbenzene	74	to 134	118	123	112	Pass	Pass	Pass
m,p-Xylene	70	to 146	102	102	91	Pass	Pass	Pass
o-Xylene	71	to 139	97	117	100	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: LCS 4	Date of Analysis: 2/14/2013							
LCS 5 SOIL	2/14/2013							
LCS 6	2/15/2013							
Spike Compounds	Control Limits		Percent Recoveries			Control Limit Checks		
	Lower	Upper	LCS#4	LCS#5	LCS#6	LCS#4	LCS#5	LCS#6
Vinyl Chloride	37	to 158	104	99	95	Pass	Pass	Pass
1,1-Dichloroethene	52	to 147	108	103	104	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	to 148	105	99	103	Pass	Pass	Pass
Cis-1,2-Dichloroethene	59	to 142	111	107	113	Pass	Pass	Pass
Benzene	71	to 130	109	107	111	Pass	Pass	Pass
Trichloroethene	69	to 132	109	105	109	Pass	Pass	Pass
Toluene	70	to 134	109	109	111	Pass	Pass	Pass
Tetrachloroethene	58	to 145	107	107	107	Pass	Pass	Pass
Ethylbenzene	74	to 134	119	116	116	Pass	Pass	Pass
m,p-Xylene	70	to 146	102	99	100	Pass	Pass	Pass
o-Xylene	71	to 139	113	108	109	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Cardno ATC	Driller/Sampler: Cardno ATC	Analyst: Bob George
Site: Norge Laundry	KB Labs Project Manager: Kelly Bergdoll	KB Labs Project No.: 13-18
Onsite Dates: 2/12/13-2/19/13	Client Project Manager: Meghan Greiner	Matrix: Water/Soil

Samples: LCS 7 SOIL	Date of Analysis: 2/15/2013
LCS 8	2/18/2013
LCS 9 SOIL	2/18/2013

Spike Compounds	Control Limits		Percent Recoveries			Control Limit Checks		
	Lower	Upper	LCS#7	LCS#8	LCS#9	LCS#7	LCS#8	LCS#9
Vinyl Chloride	37	to 158	75	136	136	Pass	Pass	Pass
1,1-Dichloroethene	52	to 147	81	126	122	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	to 148	78	129	119	Pass	Pass	Pass
Cis-1,2-Dichloroethene	59	to 142	90	107	111	Pass	Pass	Pass
Benzene	71	to 130	95	112	113	Pass	Pass	Pass
Trichloroethene	69	to 132	94	113	112	Pass	Pass	Pass
Toluene	70	to 134	98	110	113	Pass	Pass	Pass
Tetrachloroethene	58	to 145	94	112	116	Pass	Pass	Pass
Ethylbenzene	74	to 134	106	119	126	Pass	Pass	Pass
m,p-Xylene	70	to 146	90	103	109	Pass	Pass	Pass
o-Xylene	71	to 139	98	111	115	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

Samples: LCS 10	Date of Analysis: 2/19/2013
LCS 11 SOIL	2/19/2013
LCS 12	2/20/2013

Spike Compounds	Control Limits		Percent Recoveries			Control Limit Checks		
	Lower	Upper	LCS#10	LCS#11	LCS#12	LCS#10	LCS#11	LCS#12
Vinyl Chloride	37	to 158	91	84	125	Pass	Pass	Pass
1,1-Dichloroethene	52	to 147	92	84	109	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	to 148	93	85	107	Pass	Pass	Pass
Cis-1,2-Dichloroethene	59	to 142	97	89	110	Pass	Pass	Pass
Benzene	71	to 130	103	95	115	Pass	Pass	Pass
Trichloroethene	69	to 132	101	90	111	Pass	Pass	Pass
Toluene	70	to 134	109	104	113	Pass	Pass	Pass
Tetrachloroethene	58	to 145	104	97	112	Pass	Pass	Pass
Ethylbenzene	74	to 134	121	120	122	Pass	Pass	Pass
m,p-Xylene	70	to 146	98	97	104	Pass	Pass	Pass
o-Xylene	71	to 139	107	106	115	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit and method guidelines.

	Sample ID	Sample ID							
	Method Blank	Stream Bed							
Analysis Date	2/14/2013	2/14/2013							
Matrix	Soil	Soil							
Dilution	1	1							
% solids	NA	83.5							
Units	mg/Kg	mg/Kg							
Vinyl Chloride	0.010 U	0.012 U							
1,1-Dichloroethene	0.010 U	0.012 U							
t-1,2-Dichloroethene	0.010 U	0.012 U							
c-1,2-Dichloroethene	0.010 U	0.012 U							
Benzene	0.010 U	0.012 U							
Trichloroethene	0.010 U	0.012 U							
Toluene	0.010 U	0.012 U							
Tetrachloroethene	0.010 U	0.012 U							
Ethylbenzene	0.010 U	0.012 U							
m,p-Xylene	0.020 U	0.024 U							
o-Xylene	0.010 U	0.012 U							

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	Method Blank	GP-70	GP-71	GP-72	SW-3	SW-4	GP-74	GP-76	SW-5	SW-6	SW-7
Analysis Date	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution	1	1	1, 5	1	1	1	1, 10	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
t-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
c-1,2-Dichloroethene	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	3.2	1.0 U	1.0 U	1.0 U	0.62 J
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	0.42 J	1.4	1.1	1.0 U	1.0 U	13.7	1.0 U	1.0 U	1.0 U	0.61 J
Toluene	1.0 U	0.60 J	0.50 J	0.3 J	1.0 U	1.0 U	0.33 J	0.39 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	0.7 U	63.0	130	23.0	0.94 J	0.7 U	170	0.31 J	0.7 U	10.7	2.2
Ethylbenzene	1.0 U	0.24 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylene	2.0 U	0.40 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1.0 U	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID				
	Method Blank	GP-77 12-16'	GP-80 16-20'	Method Blank	SW-8	GP-81 12-16'	TW-2	TW-1	SW-9	GP-73 9-13'	Method Blank
Analysis Date	2/13/2013	2/13/2013	2/13/2013	2/14/2013	2/14/2013	2/14/2013	2/14/2013	2/14/2013	2/14/2013	2/14/2013	2/15/2013
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution	1	1	1	1	1	1	1, 20	10, 200	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Vinyl Chloride	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
t-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
c-1,2-Dichloroethene	1.0 U	1.0 U	0.58 J	37	1.0 U	1.1	1.0 U				
Benzene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
Trichloroethene	1.0 U	1.0 U	1.0 J	46	1.0 U	3.2	1.0 U				
Toluene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
Tetrachloroethene	0.7 U	0.7 U	0.7 U	0.7 U	0.54 J	1.6	270	11000	1.1	47.3	0.7 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				
m,p-Xylene	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	2.0 U				
o-Xylene	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U				

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	GP-85 12-16'	GP-82 12-16'	Method Blank	SW-10	GP-86 16-20'						
Analysis Date	2/15/2013	2/15/2013	2/18/2013	2/18/2013	2/18/2013						
Matrix	Water	Water	Water	Water	Water						
Dilution	1	1	1	1	1						
Units	ug/L	ug/L	ug/L	ug/L	ug/L						
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U						
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U						
t-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U						
c-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U						
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U						
Trichloroethene	1.0 U	0.48 J	1.0 U	1.0 U	1.0 U						
Toluene	0.53 J	1.0 U	1.0 U	1.0 U	0.49 J						
Tetrachloroethene	1.7	22.3	0.7 U	0.54 J	1.0						
Ethylbenzene	1.7	1.0 U	1.0 U	1.0 U	1.0 U						
m,p-Xylene	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U						
o-Xylene	0.81 J	1.0 U	1.0 U	1.0 U	1.0 U						



	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	Method Blank	GP-5 1-2'	GP-5 4-6'	GP-5 8-10'	GP-5 14-16'	GP-4 0-2'	GP-4 8-10'	GP-4 12-15'	Method Blank	HA-3 1-2'	HA-3 4-5'
Analysis Date	2/18/2013	2/18/2013	2/18/2013	2/18/2013	2/18/2013	2/18/2013	2/18/2013	2/18/2013	2/19/2013	2/19/2013	2/19/2013
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution	1	1	1	1	1	1	1	1	1	1	1
% solids	NA	77.4	73.3	78.3	77.4	85.0	66.0	62.8	NA	83.2	77.1
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Vinyl Chloride	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
1,1-Dichloroethene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
t-1,2-Dichloroethene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
c-1,2-Dichloroethene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.022	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
Benzene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
Trichloroethene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.031	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
Toluene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
Tetrachloroethene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.11	0.017	0.13	0.010 U	0.078	0.013 U
Ethylbenzene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U
m,p-Xylene	0.020 U	0.026 U	0.027 U	0.026 U	0.026 U	0.024 U	0.030 U	0.032 U	0.020 U	0.024 U	0.026 U
o-Xylene	0.010 U	0.013 U	0.014 U	0.013 U	0.013 U	0.012 U	0.015 U	0.016 U	0.010 U	0.012 U	0.013 U



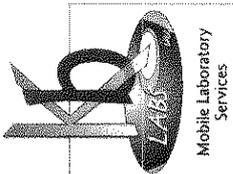
	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	GP-2 2-3'	GP-2 6-8'	GP-2 10-12'	HA-1 1-3'	HA-1 3-5'	HA-2 1-3'	HA-2 3-5'	GP-3 1-3'	GP-3 3-5'	GP-3 6-8'	GP-3 10-12'
Analysis Date	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution	1	1	1	1	1	1	1	1	1	1	1
% solids	79.0	78.0	73.0	81.0	80.2	76.9	79.2	76.0	70.1	78.3	77.5
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Vinyl Chloride	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
1,1-Dichloroethene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
t-1,2-Dichloroethene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
c-1,2-Dichloroethene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
Benzene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
Trichloroethene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
Toluene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
Tetrachloroethene	0.029	0.013 U	0.015	0.067	0.009 J	0.014	0.013 U	0.017	0.014 U	0.013 J	0.015
Ethylbenzene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U
m,p-Xylene	0.025 U	0.026 U	0.027 U	0.025 U	0.025 U	0.026 U	0.025 U	0.026 U	0.029 U	0.026 U	0.026 U
o-Xylene	0.013 U	0.013 U	0.014 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U

	Sample ID	Sample ID	Sample ID							
	GP-1 1-3'	GP-1 10-12'	GP-1 14-16'							
Analysis Date	2/19/2013	2/19/2013	2/19/2013							
Matrix	Soil	Soil	Soil							
Dilution	1	1	1							
% solids	77.0	75.5	76.4							
Units	mg/Kg	mg/Kg	mg/Kg							
Vinyl Chloride	0.013 U	0.013 U	0.013 U							
1,1-Dichloroethene	0.013 U	0.013 U	0.013 U							
t-1,2-Dichloroethene	0.013 U	0.013 U	0.013 U							
c-1,2-Dichloroethene	0.013 U	0.013 U	0.013 U							
Benzene	0.013 U	0.013 U	0.013 U							
Trichloroethene	0.013 U	0.013 U	0.013 U							
Toluene	0.013 U	0.013 U	0.013 U							
Tetrachloroethene	0.016	0.016	0.030							
Ethylbenzene	0.013 U	0.013 U	0.013 U							
m,p-Xylene	0.026 U	0.026 U	0.026 U							
o-Xylene	0.013 U	0.013 U	0.013 U							

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	Method Blank	GP-5 21-25'	Method Blank	GP-2 21-25'	GP-4 21-25'	GP-3 21-25'	GP-6 21-25'	GP-1 21-25'
Analysis Date	2/18/2013	2/18/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013	2/19/2013
Matrix	Water	Water	Water	Water	Water	Water	Water	Water
Dilution	1	1	1	1, 10	1	1, 20	1	1, 10
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
t-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
c-1,2-Dichloroethene	1.0 U	0.35 J	1.0 U	3.9	12.6	0.50 J	1.7	1.6
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	0.30 J	1.0 U	7.2	3.5	2.2	2.6	3.6
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	0.42 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	0.7 U	42.1	0.7 U	420	18.6	1500	62.1	370
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylene	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID				
	B1 2-3'	B1 5-6'	B1 9-10'	B1 11-12'	Method Blank	B2 2-3'	B2 5-6'	B2 9-10'	B2 12-13'
Analysis Date	2/14/2013	2/14/2013	2/14/2013	2/14/2013	2/15/2013	2/15/2013	2/15/2013	2/15/2013	2/15/2013
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dilution	1	1	1	1	1	1	1	1	1
% solids	81.4	75.0	76.9	72.1	NA	75.4	72.4	73.2	69.9
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Vinyl Chloride	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
1,1-Dichloroethene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
t-1,2-Dichloroethene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
c-1,2-Dichloroethene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
Benzene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
Trichloroethene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
Toluene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
Tetrachloroethene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
Ethylbenzene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U
m,p-Xylene	0.025 U	0.027 U	0.026 U	0.028 U	0.020 U	0.027 U	0.028 U	0.027 U	0.029 U
o-Xylene	0.012 U	0.013 U	0.013 U	0.014 U	0.010 U	0.013 U	0.014 U	0.014 U	0.014 U

	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID	Sample ID
	Method Blank	B1 12-16'	B2 13-17'	B3 12-16'	B4 12-16'	B5 12-16'	Method Blank	B-6 12-16'	B-7 12-16'
Analysis Date	2/15/2013	2/15/2013	2/15/2013	2/15/2013	2/15/2013	2/15/2013	2/19/2013	2/19/2013	2/19/2013
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution	1	1	1	1	1, 10	1, 20	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Vinyl Chloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.54 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
t-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
c-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.1	28.6	1.0 U	15.8	1.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	49.8	170	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	16.8	28.0	1.0 U	12.5	1.0 U
Toluene	1.0 U	0.55 J	0.28 J	1.0 U	20.6	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	0.7 U	0.7 U	0.68 J	1.5	75.2	380	0.7 U	440	3.7
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	260	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylene	2.0 U	2.0 U	2.0 U	2.0 U	68.9	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	1.0 U	1.0 U	1.0 U	1.0 U	150	2.7	1.0 U	1.0 U	1.0 U



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CHAIN-OF-CUSTODY RECORD

MOBILE UNIT #

KB-2

CLIENT NAME	PROJECT NAME & ADDRESS						DATE SAMPLED	TIME SAMPLED	COMP	GRAB	DATE RECD	TIME RECD	STATION LOCATION / No.	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS	PRESERVATION	COMMENT / SAMPLE PRE FIX
	SAMPLERS	CONTACT PERSON																
Cardno ATC	Norge Laundry 2102 w Webb Burlington										2/12/13	0830	GW 3					
Saedexco																		
GP-70 (12-16)	↓						2/11/13	12:30		✓	2/12/13	0830	↓	↓				
GP-71 (12-16)	↓							13:15					↓	↓				
GP-72 (12-16)	↓							15:20					↓	↓				
SW-3	↓						2/12/13	0945				10:15	↓	↓				
SW-4	↓							1040				11:15	↓	↓				
GP-74 (12-16)	↓							10:50					↓	↓				
GP-76 (12-16)	↓							1300				13:10	↓	↓				
SW-5	↓							12:30					↓	↓				
SW-6	↓							12:45					↓	↓				
SW-7	↓						2/12/13	1645			2/12/13	1705	↓	↓				
Prepared Containers Relinquished by: (Signature)	↓																	
Relinquished by: (Signature)	↓																	
Received by: (Signature)	↓																	
Received by: (Signature)	↓																	
Date / Time	2/12/13																	
Date / Time	2/12/13																	
Remarks and Observations																		

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

CHAIN-OF-CUSTODY RECORD

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CLIENT NAME

Cardno KTC

PROJECT NAME & ADDRESS

*George Laundry
 Bowling for, NC*

CONTACT PERSON

BATCH # (Lab Use Only)

STATION LOCATION / No.

SAMPLE MATRIX

NUMBER OF CONTAINERS

IDENTITY PARAMETERS DESIRED AND NO. OF CONTAINERS

PRESERVATION

C Chilled
 H HCL
 Ot Other (see Remarks)

COMMENT / SAMPLE PREFIX

SAMPLE FIELD ID \ NUMBER	DATE SAMPLED	TIME SAMPLED	COMP	DATE REC'D	TIME REC'D	STATION LOCATION / No.	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTITY PARAMETERS DESIRED AND NO. OF CONTAINERS	PRESERVATION	COMMENT / SAMPLE PREFIX
KB2-021313											
GP-77 12-16'	2/13/13	0915		2/13/13	0925		GW 2	2	✓		
GP-80 16-20'		1315			1330		GW 2	2	✓		
KB2-021413											
Stream Bed	2/14/13	0915		2/14/13	0930		S 1	1	✓		
SW-8		0920			0930		SW 2	2	✓		
GP-81 12-16'		1100			1125		GW 2	2	✓		
TW-2		1215			1235		GW 1	1	✓		Limited Sample
TW-1		1247			1330		GW 1	1	✓		Limited Sample
SW-9		1300			1350		SW 2	2	✓		
GP-73 9-13'		1630			1655		GW 2	2	✓		
Prelabeled Containers Relinquished by: (Signature)						Date / Time		Remarks and Observations			
Relinquished by: (Signature)						Date / Time		Date / Time			

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

Brake

2/14/13

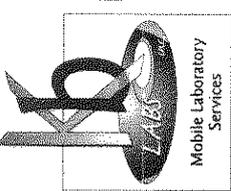
CHAIN-OF-CUSTODY RECORD

1/1
KBA

MOBILE UNIT #

25132 SW 1st Avenue
Newberry, FL 32669
TEL (352) 472-5830
FAX (352) 472-5832

200 Quade Drive
Cary, NC 27513
TEL (919) 678-0030

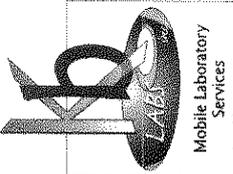


CLIENT NAME SAMPLERS	PROJECT NAME & ADDRESS					CONTACT PERSON		DATE SAMPLED	TIME SAMPLED	COM	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No.	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS	PRESERVATION	COMMENT / SAMPLE PREFIX
	BATCH # (Lab Use Only)	Boston Cleaness Roxborough, NC																	
B1	12-16'	2/15/13	0900			2/15/13	0900							602	2	✓			
B2	13-17'		0945				0946							602	2	✓			
B2	2-3'		0955				1010							5	1	✓			
B2	5-6'		1000				1010							5	1	✓			
B2	9-10'		1005				1010							5	1	✓			
B2	12-13'		1010				1010							5	1	✓			
B3	12-16'		1025				1029							602	2	✓			
B4	12-16'		1045				1050							602	2	✓			
B5	12-16'		1445				1450							602	2	✓			

Pre-cleaned Containers Relinquished by: (Signature) _____ Date / Time _____
 Relinquished by: (Signature) _____ Date / Time 2/15/13

Received by: (Signature) _____ Date / Time _____
 Received by: (Signature) BBA Date / Time 2/15/13

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas



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 Newberry, FL 32669
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 FAX (352) 472-5832

200 Quade Drive
 Cary, NC 27513
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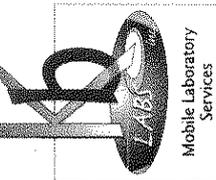
CHAIN-OF-CUSTODY RECORD

MOBILE UNIT #

KB2

CLIENT NAME	PROJECT NAME & ADDRESS				CONTACT PERSON	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No.	BATCH # (Lab Use Only)	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO OF CONTAINERS	PRESERVATION	COMMENT / SAMPLE PRE FIX
	Candore LLC Samplers	One Home Cleaners Pendergrass	PRECLEANED CONTAINERS RELINQUISHED BY: (Signature)	RELINQUISHED BY: (Signature)														
KB2-621813	10K-S	1-2	2/18/13	1425		2/18/13	1443							S	1	✓		
	10K-S	4-6		1430			1443							S	1	✓		
	10K-S	8-10		1435			1443							S	1	✓		
	10K-S	14-16		1440			1443							S	1	✓		
	10K	0-2		1650			1736							S	1	✓		
	10K	8-10		1655			1736							S	1	✓		
	10K	12-15		1700			1736							S	1	✓		
	10K-4	21-25		1705			1736							608	2	✓		
	10K-S	21-25		1730			1736							608	2	✓		

Matrix Types: S Soil, SW Surface Water, GW Ground Water, SG Soil Gas



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 FAX (352) 472-5832

200 Quade Drive
 Cary, NC 27513
 TEL (919) 678-0030

CHAIN-OF-CUSTODY RECORD

1/2

MOBILE UNIT #
FB2

CLIENT NAME Cudans & TK	PROJECT NAME & ADDRESS One Home Renovation Building for .DC						STATION LOCATION / No.	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS	PRESERVATION C Chilled H HCL Ot Other (see Remarks)
	CONTACT PERSON									
SAMPLERS	SAMPLE FIELD ID \ NUMBER FB2 - 02913	DATE SAMPLED	TIME SAMPLED	COMP	GRAMS	DATE REC'D	TIME REC'D	SAMPLE MATRIX	VOLATILES	COMMENT / SAMPLE PRE FIX
	IHK HB3 1-2	2/19/13	0825			2/19/13	0920	S	✓	
	HA3-45		0830				0920	S	✓	
	GP-2 2-3		0845				0920	S	✓	
	GP-2 6-8		0855				0920	S	✓	
	GP-2 10-12		0900				0920	S	✓	
	GP-2 21-25		0910				0920	632	✓	
	HA-1 1-3		1130				1235	S	✓	
	HA-1 3-5		1135				1235	S	✓	
	HA-2 1-3		1145				1235	S	✓	
	HA-2 3-5		1150				1235	S	✓	
	GP-3 1-3		1205				1235	S	✓	
	GP-3 3-5		1210				1235	S	✓	
	GP-3 21-25		1330				1343	632	✓	
	GP-3 6-8		1335				1343	S	✓	
	GP-3 10-12		1340				1343	S	✓	

Pre-cleaned Containers Relinquished by: (Signature) _____ Date / Time _____ Received by: (Signature) _____ Date / Time _____
 Relinquished by: (Signature) _____ Date / Time _____ Received by: (Signature) *BSJ* Date / Time 2/19/13

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas



Mobile
Geochemistry
Inc.

01 May 2013



Ms. Meghan Greiner
ATC Associates - Raleigh
2725 E. Millbrook Rd., Suite 121
Raleigh, NC 27604

H&P Project: ATC042213-11
Client Project: 45.34341.0113 / One Hour Klean

Dear Ms. Meghan Greiner:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 22-Apr-13 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, [Carlsbad](#), California 92010 - 760.804.9678 - Fax 760.804.9159
1855 Coronado Avenue, [Signal Hill](#), California 90755
www.HandPmg.com 1-800-834-9888



ATC Associates - Raleigh
2725 E. Millbrook Rd., Suite 121
Raleigh, NC 27604

Project: ATC042213-11
Project Number: 45.34341.0113 / One Hour Klean
Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SGMP-1	E304094-01	Vapor	18-Apr-13	22-Apr-13
SGMP-2	E304094-02	Vapor	18-Apr-13	22-Apr-13

Due to the presence of elevated analyte concentrations, sample SGMP-1 was analyzed using H&P 8260 SV rather than EPA Method TO-15.

ATC Associates - Raleigh
2725 E. Millbrook Rd., Suite 121
Raleigh, NC 27604

Project: ATC042213-11
Project Number: 45.34341.0113 / One Hour Klean
Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SGMP-2 (E304094-02) Vapor Sampled: 18-Apr-13 Received: 22-Apr-13									
Vinyl chloride	ND	2.6	ug/m3	1	ED32606	26-Apr-13	26-Apr-13	EPA TO-15	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Trichloroethene	11	5.5	"	"	"	"	"	"	
Tetrachloroethene	2800	34	"	5	"	"	29-Apr-13	"	
<hr/>									
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %		76-134	"	"	26-Apr-13	"	
<i>Surrogate: Toluene-d8</i>		103 %		78-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %		77-127	"	"	"	"	

ATC Associates - Raleigh
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Raleigh, NC 27604

Project: ATC042213-11
Project Number: 45.34341.0113 / One Hour Klean
Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SGMP-1 (E304094-01) Vapor Sampled: 18-Apr-13 Received: 22-Apr-13									
Vinyl chloride	ND	200	ug/m3	0.2	ED32505	25-Apr-13	25-Apr-13	H&P 8260 SV	
trans-1,2-Dichloroethene	ND	2000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2000	"	"	"	"	"	"	
Trichloroethene	ND	400	"	"	"	"	"	"	
Tetrachloroethene	100000	400	"	"	"	"	"	"	
<hr/>									
<i>Surrogate: Dibromofluoromethane</i>		109 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75-125		"	"	"	"	

ATC Associates - Raleigh
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Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

Volatile Organic Compounds by EPA TO-15 - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch ED32606 - TO-15

Blank (ED32606-BLK1)

Prepared & Analyzed: 26-Apr-13

Vinyl chloride	ND	2.6	ug/m3							
trans-1,2-Dichloroethene	ND	8.0	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Trichloroethene	ND	5.5	"							
Tetrachloroethene	ND	6.9	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	222		"	214		104	76-134			
<i>Surrogate: Toluene-d8</i>	210		"	207		101	78-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	375		"	364		103	77-127			

LCS (ED32606-BS1)

Prepared & Analyzed: 26-Apr-13

Vinyl chloride	46	2.6	ug/m3	52.0		88.9	65-135			
trans-1,2-Dichloroethene	71	8.0	"	80.8		88.3	65-135			
cis-1,2-Dichloroethene	76	4.0	"	80.0		95.2	65-135			
Trichloroethene	98	5.5	"	110		89.6	65-135			
Tetrachloroethene	130	6.9	"	138		91.5	65-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	223		"	214		104	76-134			
<i>Surrogate: Toluene-d8</i>	210		"	207		102	78-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	388		"	364		106	77-127			

LCS Dup (ED32606-BSD1)

Prepared & Analyzed: 26-Apr-13

Vinyl chloride	46	2.6	ug/m3	52.0		88.3	65-135	0.675	35	
trans-1,2-Dichloroethene	74	8.0	"	80.8		91.0	65-135	3.05	35	
cis-1,2-Dichloroethene	76	4.0	"	80.0		95.6	65-135	0.422	35	
Trichloroethene	98	5.5	"	110		89.6	65-135	0.0555	35	
Tetrachloroethene	130	6.9	"	138		91.8	65-135	0.271	35	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	217		"	214		101	76-134			
<i>Surrogate: Toluene-d8</i>	205		"	207		99.2	78-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	375		"	364		103	77-127			

ATC Associates - Raleigh
2725 E. Millbrook Rd., Suite 121
Raleigh, NC 27604

Project: ATC042213-11
Project Number: 45.34341.0113 / One Hour Klean
Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch ED32505 - EPA 5030

Blank (ED32505-BLK1)

Prepared & Analyzed: 25-Apr-13

Vinyl chloride	ND	50	ug/m3							
trans-1,2-Dichloroethene	ND	500	"							
cis-1,2-Dichloroethene	ND	500	"							
Trichloroethene	ND	100	"							
Tetrachloroethene	ND	100	"							
<i>Surrogate: Dibromofluoromethane</i>	2760		"	2500		110	75-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2710		"	2500		108	75-125			
<i>Surrogate: Toluene-d8</i>	2660		"	2500		106	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2600		"	2500		104	75-125			

LCS (ED32505-BS1)

Prepared & Analyzed: 25-Apr-13

Vinyl chloride	4720	50	ug/m3	5000		94.3	70-130			
trans-1,2-Dichloroethene	5890	500	"	5000		118	70-130			
cis-1,2-Dichloroethene	5210	500	"	5000		104	70-130			
Trichloroethene	5210	100	"	5000		104	70-130			
Tetrachloroethene	5210	100	"	5000		104	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2860		"	2500		115	75-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2710		"	2500		108	75-125			
<i>Surrogate: Toluene-d8</i>	2780		"	2500		111	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2730		"	2500		109	75-125			

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Project Manager: Ms. Meghan Greiner

Reported:
01-May-13 11:10

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A	Dibromochloromethane by EPA TO-15
Hexachlorobutadiene by EPA TO-15 & TO-14A	1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Bromodichloromethane by EPA TO-15 & TO-14A	Trichlorofluoromethane by EPA TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A	Naphthalene by H&P SOP TO-15/GC-MS
Dichlorotetrafluoroethane by EPA TO-14A	1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A	1,2-Dibromo-3-chloropropane by EPA TO-15
Benzene by EPA TO-15 & TO-14A	1,3-Butadiene by EPA TO-15
Chlorobenzene by EPA TO-15 & TO-14A	1,1,2-Trichlorotrifluoroethane by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A	Carbon disulfide by EPA TO-15
Styrene by EPA TO-15 & TO-14A	1,4-Dioxane by EPA TO-15
Toluene by EPA TO-15 & TO-14A	
Total Xylenes by EPA TO-15 & TO-14A	
1,1,1-Trichloroethane by EPA TO-15 & TO-14A	
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A	
1,1,2-Trichloroethane by EPA TO-15 & TO-14A	
1,1-Dichloroethane by EPA TO-15 & TO-14A	
1,1-Dichloroethene by EPA TO-15 & TO-14A	
1,2-Dichloroethane by EPA TO-15 & TO-14A	
1,2-Dichloropropane by EPA TO-15 & TO-14A	
Benzyl Chloride by EPA TO-15 & TO-14A	
Bromoform by EPA TO-15	
Bromomethane by EPA TO-15 & TO-14A	
Carbon tetrachloride by EPA TO-15 & TO-14A	
Chloroethane by EPA TO-15 & TO-14A	
Chloroform by EPA TO-15 & TO-14A	
Chloromethane by EPA TO-15 & TO-14A	
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A	
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A	
Methylene chloride by EPA TO -15 & TO-14A	
Tetrachloroethane by EPA TO-15 & TO-14A	
trans-1,2-Dichloroethene by EPA TO-15	
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A	
Trichloroethene by EPA TO-15 & TO-14A	
Vinyl chloride by EPA TO -15 & TO-14A	
2-Butanone by EPA TO-15	
4-Methyl-2-Pentanone by EPA TO-15	
Hexane by EPA TO-15	
Methyl tert-butyl ether by EPA TO-15	
Vinyl acetate by EPA TO-15	

This certification applies to samples analyzed in summa canisters.




Raleigh, North Carolina, 27604 (919) 871-0999

TITLE ATTACHMENT 16
VAPOR INTRUSION MAP
NORGE LAUNDRY AND CLEANING VILLAGE
2102 WEST WEBB AVENUE
BURLINGTON, NORTH CAROLINA
DSCA ID #01-0008

MAP FILE: DC010008_ATT16_VIMAP.mxd

PREP: CS REV: MG

DATE: 6/27/2013 PROJECT NO. 045.34341.0108

SCALE: 1" = 300'

NOTES:

DATA SOURCES:
 NC One Map
 NCDOT GIS Unit
 Alamance County GIS Department

1860500 1861000 1861500 1862000 1862500 1863000 1863500 1864000 1864500

860000 859500 859000 858500 858000 857500

1860500 1861000 1861500 1862000 1862500 1863000 1863500 1864000 1864500

857500 858000 858500 859000 859500 860000

Path: S:\GIS\Projects\Feilds\DSCA_01-0008\mxd\0010008-ATT16_VIMAP.mxd




Raleigh, North Carolina, 27604 (919) 871-0999

TITLE ATTACHMENT 7
PCE ISOCONCENTRATION CONTOUR MAP
NORGE LAUNDRY AND CLEANING VILLAGE
2102 WEST WEBB AVENUE
BURLINGTON, NORTH CAROLINA
DSCA ID #01-0008

MAP FILE: DC010008_ATT7_PCEMAP.mxd

PREP: CS
 REV: MG
 DATE: 6/27/2013
 PROJECT NO. 045.34341.0108

NOTES:
 1. SAMPLES NOT COLLECTED FROM GP-75, GP-78, GP-83, GP-84, AND GP-87 DUE TO RIG REFUSAL PRIOR TO GROUNDWATER.

DATA SOURCES:
 NC One Map
 NCDOT GIS Unit

LEGEND

- Geoprobe Point
- Glen Raven Gulf Monitoring Well
- Glen Raven Gulf Recovery Well
- Glen Raven Mill Monitoring Well
- Surface Water Sample Location

PCE Concentration in Groundwater (ug/L)

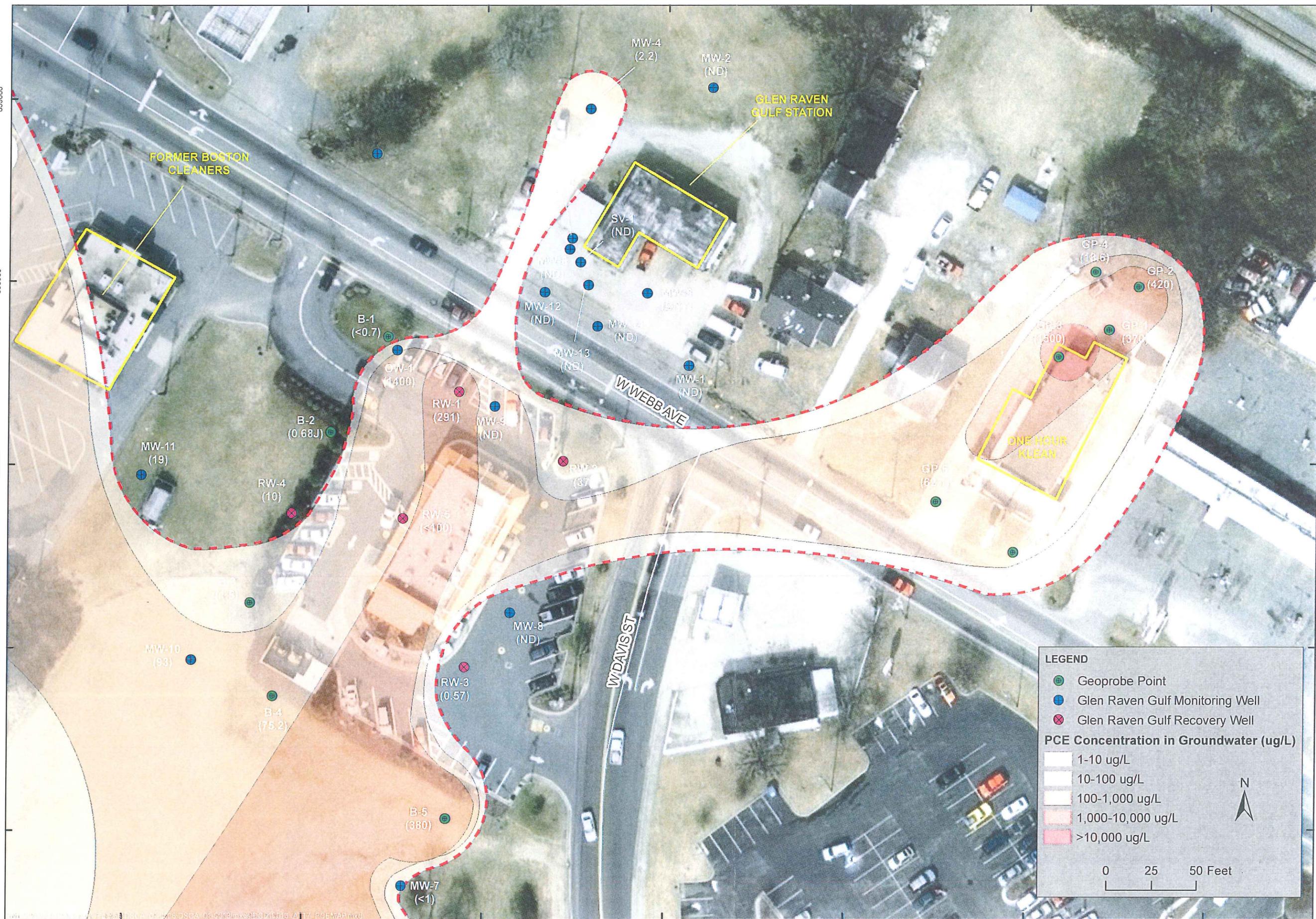
- 1-10 ug/L
- 10-100 ug/L
- 100-1,000 ug/L
- 1,000-10,000 ug/L
- >10,000 ug/L

0 150 300 Feet



1862800 1862900 1863000 1863100 1863200 1863300 1863400

8589000 8589000 8589000 8587000 8586000 8585000




Raleigh, North Carolina, 27604 (919) 871-0999

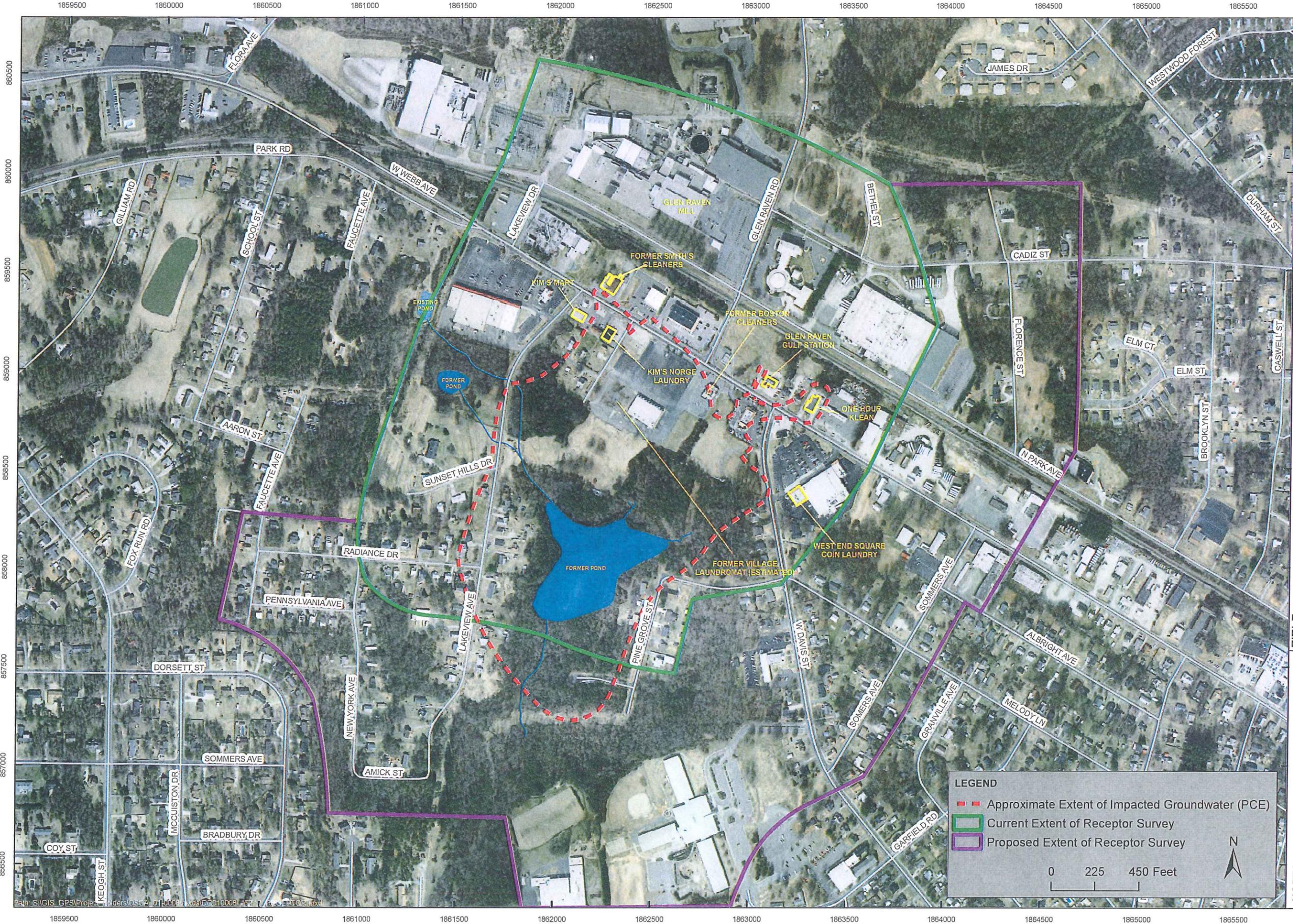
TITLE ATTACHMENT 7
PCE ISOCONCENTRATION CONTOUR MAP
1 HOUR KLEAN
1785 WEST WEBB AVENUE
BURLINGTON, NORTH CAROLINA
DSCA ID #01-0013

MAP FILE: DC010013_ATT7_PCEMAP.mxd
 PREP: ED
 REV: MG
 DATE: 7/19/2013
 PROJECT NO. 045.34341.0113

NOTES:

DATA SOURCES:
 NC One Map
 NCDOT GIS Unit

1862800 1862900 1863000 1863100 1863200 1863300 1863400



NOTES:

TITLE ATTACHMENT 17
RECEPTOR SURVEY MAP
NORGE LAUNDRY AND CLEANING VILLAGE
2102 WEST WEBB AVENUE
BURLINGTON, NORTH CAROLINA
DSCA ID #01-0008



Raleigh, North Carolina, 27604 (919) 871-0999

MAP FILE: DC010008_ATT17_RECEPTOR.mxd	PREP: CS	REV: MG	SCALE: 1" = 450'	DATE: 6/27/2013	PROJECT NO. 045.34341.0108
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DATA SOURCES:
 NC One Map
 NCDOT GIS Unit
 Alamance County GIS Department

Table 2: Analytical Data for Soil

DSCA ID No.: 01-0013

Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)									
			[mg/kg]																			
HA-1	1-3	2/19/13	<0.012	<0.012	<0.012	<0.012	<0.012	0.067	<0.012	<0.012	<0.012	<0.012	<0.025									
HA-1	3-5	2/19/13	<0.012	<0.012	<0.012	<0.012	<0.012	0.009J	<0.012	<0.012	<0.012	<0.012	<0.025									
HA-2	1-3	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.014	<0.013	<0.013	<0.013	<0.013	<0.026									
HA-2	3-5	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.025									
HA-3	1-2	2/19/13	<0.012	<0.012	<0.012	<0.012	<0.012	0.078	<0.012	<0.012	<0.012	<0.012	<0.024									
HA-3	4-5	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-1	1-3	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.016	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-1	10-12	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.016	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-1	14-16	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.03	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-2	2-3	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.029	<0.013	<0.013	<0.013	<0.013	<0.025									
GP-2	6-8	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-2	10-12	2/19/13	<0.014	<0.014	<0.014	<0.014	<0.014	0.015	<0.014	<0.014	<0.014	<0.014	<0.027									
GP-3	1-3	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.017	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-3	3-5	2/19/13	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.029									
GP-3	6-8	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.013J	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-3	10-12	2/19/13	<0.013	<0.013	<0.013	<0.013	<0.013	0.015	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-4	0-2	2/18/13	<0.012	0.022	<0.012	<0.012	<0.012	0.11	<0.012	<0.012	0.031	<0.012	<0.024									
GP-4	8-10	2/18/13	<0.015	<0.015	<0.015	<0.015	<0.015	0.017	<0.015	<0.015	<0.015	<0.015	<0.03									
GP-4	12-15	2/18/13	<0.016	<0.016	<0.016	<0.016	<0.016	0.13	<0.016	<0.016	<0.016	<0.016	<0.032									
GP-5	1-2	2/18/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-5	4-6	2/18/13	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.027									
GP-5	8-10	2/18/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.026									
GP-5	14-16	2/18/13	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.026									
Tier I RBSL			0.034	1.1	51	0.18	1.6	0.023	29	1.5	0.067	0.00079	36									

Table 8: Analytical Data for Groundwater

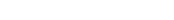
ADT 8

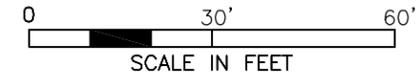
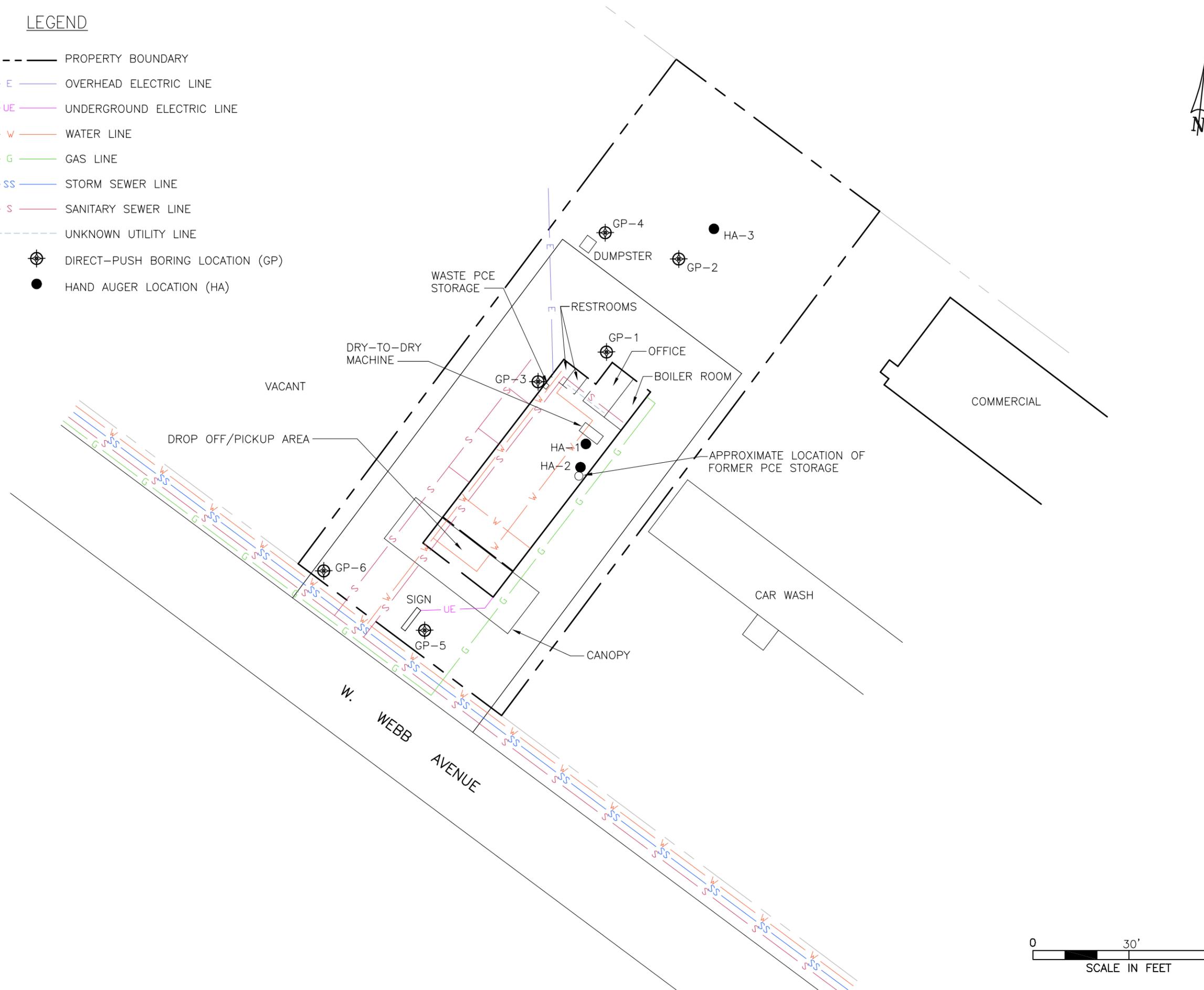
DSCA ID No.: 01-0013

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)								
		[mg/L]																		
GP-1 (21-25')	2/19/13	<0.001	0.0016	<0.001	NA	NA	0.37	<0.001	<0.001	0.0036	<0.001	<0.002								
GP-2 (21-25')	2/19/13	<0.001	0.0039	<0.001	NA	NA	0.42	<0.001	<0.001	0.0072	<0.001	<0.002								
GP-3 (21-25')	2/19/13	<0.001	0.0005J	<0.001	NA	NA	1.5	<0.001	<0.001	0.0022	<0.001	<0.002								
GP-4 (21-25')	2/19/13	<0.001	0.0126	<0.001	NA	NA	0.0186	0.00042J	<0.001	0.0035	<0.001	<0.002								
GP-5 (21-15')	2/18/13	<0.001	0.00035J	<0.001	NA	NA	0.0421	<0.001	<0.001	0.0003J	<0.001	<0.002								
GP-6 (21-25')	2/19/13	<0.001	0.0017	<0.001	NA	NA	0.0621	<0.001	<0.001	0.0026	<0.001	<0.002								
NC 2L Standards		0.001	0.07	0.6	0.02	0.006	0.0007	0.6	0.1	0.003	0.0003	0.5								

04/29/2013 9:58am - sthompson - H:\125 - ATC\1253917-1-Hour Klean\1253917_p1-04-11-13.dwg

LEGEND

-  PROPERTY BOUNDARY
-  OVERHEAD ELECTRIC LINE
-  UNDERGROUND ELECTRIC LINE
-  WATER LINE
-  GAS LINE
-  STORM SEWER LINE
-  SANITARY SEWER LINE
-  UNKNOWN UTILITY LINE
-  DIRECT-PUSH BORING LOCATION (GP)
-  HAND AUGER LOCATION (HA)



TITLE ATTACHMENT 1
 SITE MAP SHOWING LOCATIONS OF SOIL BORINGS
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA

CAD FILE 1253917.DWG	DSCA ID 01-0013	PREP. BY AW	REV. BY MG	SCALE 1" = 30'	DATE 02-13-2013	PROJECT NO. 45.34341.0113
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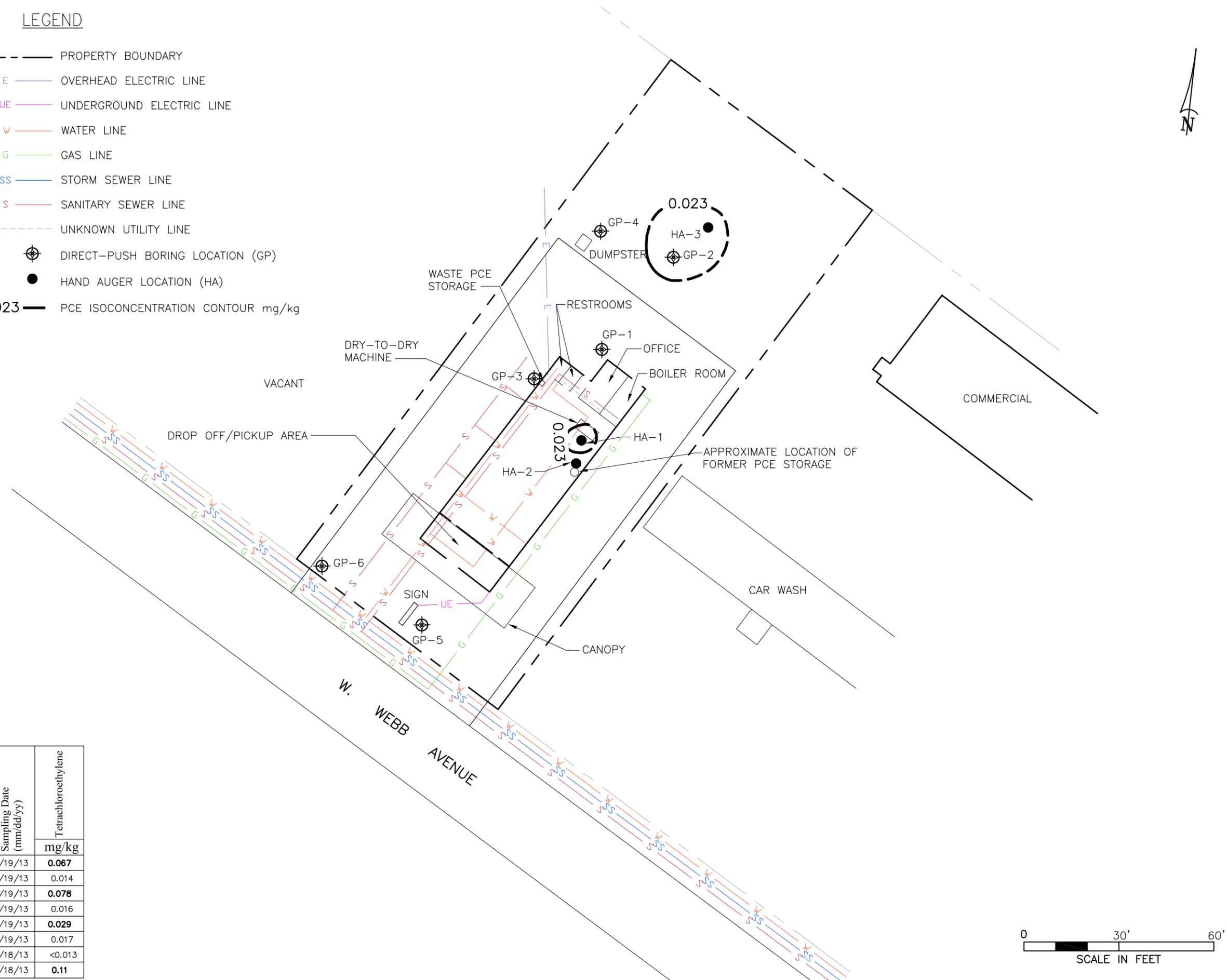


NOTES:

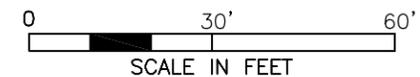
04/29/2013 10:04am - sthompson - H:\125 - AIC\1253917-1-Hour Klean\1253917_p1-04-11-13.dwg

LEGEND

- PROPERTY BOUNDARY
- E OVERHEAD ELECTRIC LINE
- UE UNDERGROUND ELECTRIC LINE
- W WATER LINE
- G GAS LINE
- SS STORM SEWER LINE
- S SANITARY SEWER LINE
- - - UNKNOWN UTILITY LINE
- ⊕ DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- 0.023 — PCE ISOCONCENTRATION CONTOUR mg/kg



Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene
			mg/kg
HA-1	1-3	2/19/13	0.067
HA-2	1-3	2/19/13	0.014
HA-3	1-2	2/19/13	0.078
GP-1	1-3	2/19/13	0.016
GP-2	2-3	2/19/13	0.029
GP-3	1-3	2/19/13	0.017
GP-4	1-2	2/18/13	<0.013
GP-5	0-2	2/18/13	0.11



ATTACHMENT 2/3A

SURFICIAL SOIL PCE ISOCONCENTRATION CONTOUR MAP
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA



Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

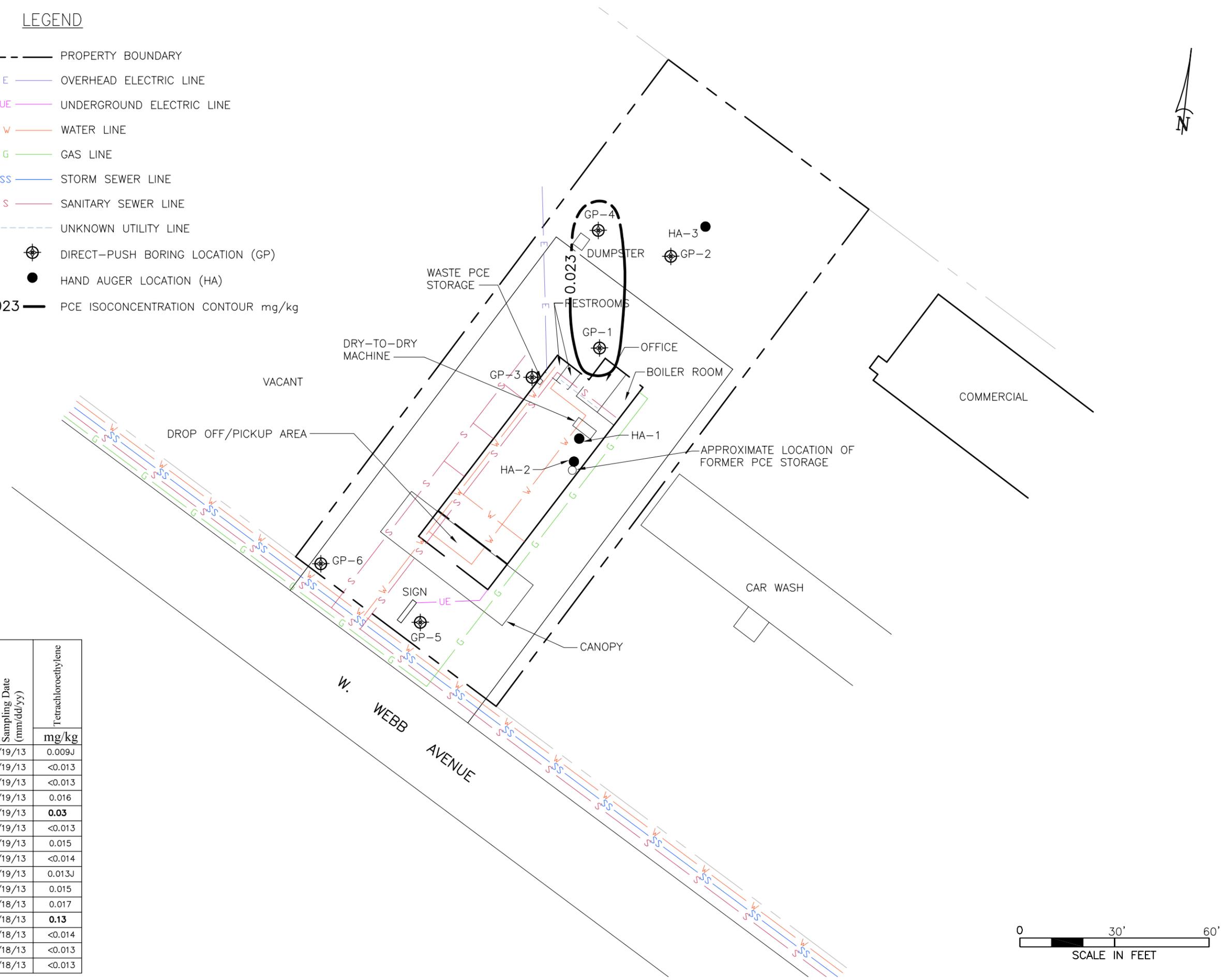
CAD FILE	DSCA ID	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1253917.DWG	01-0013	AW	MG	1" = 30'	02-13-2013	45.34341.0113

NOTES:

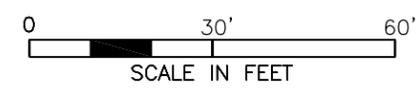
1. CONCENTRATIONS ABOVE DSCA TIER I RBSL FOR PCE (0.023 mg/kg) SHOWN IN BOLD.

LEGEND

- PROPERTY BOUNDARY
- E OVERHEAD ELECTRIC LINE
- UE UNDERGROUND ELECTRIC LINE
- W WATER LINE
- G GAS LINE
- SS STORM SEWER LINE
- S SANITARY SEWER LINE
- - - UNKNOWN UTILITY LINE
- ⊕ DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- 0.023 — PCE ISOCONCENTRATION CONTOUR mg/kg



Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene
			mg/kg
HA-1	3-5	2/19/13	0.009J
HA-2	3-5	2/19/13	<0.013
HA-3	4-5	2/19/13	<0.013
GP-1	10-12	2/19/13	0.016
GP-1	14-16	2/19/13	0.03
GP-2	6-8	2/19/13	<0.013
GP-2	10-12	2/19/13	0.015
GP-3	3-5	2/19/13	<0.014
GP-3	6-8	2/19/13	0.013J
GP-3	10-12	2/19/13	0.015
GP-4	8-10	2/18/13	0.017
GP-4	12-15	2/18/13	0.13
GP-5	4-6	2/18/13	<0.014
GP-5	8-10	2/18/13	<0.013
GP-5	14-16	2/18/13	<0.013



ATTACHMENT 2/3B

SUBSURFACE SOIL PCE ISOCONCENTRATION CONTOUR MAP
 1 HOUR KLEAN
 1785 W. WEBB AVENUE
 BURLINGTON, NORTH CAROLINA

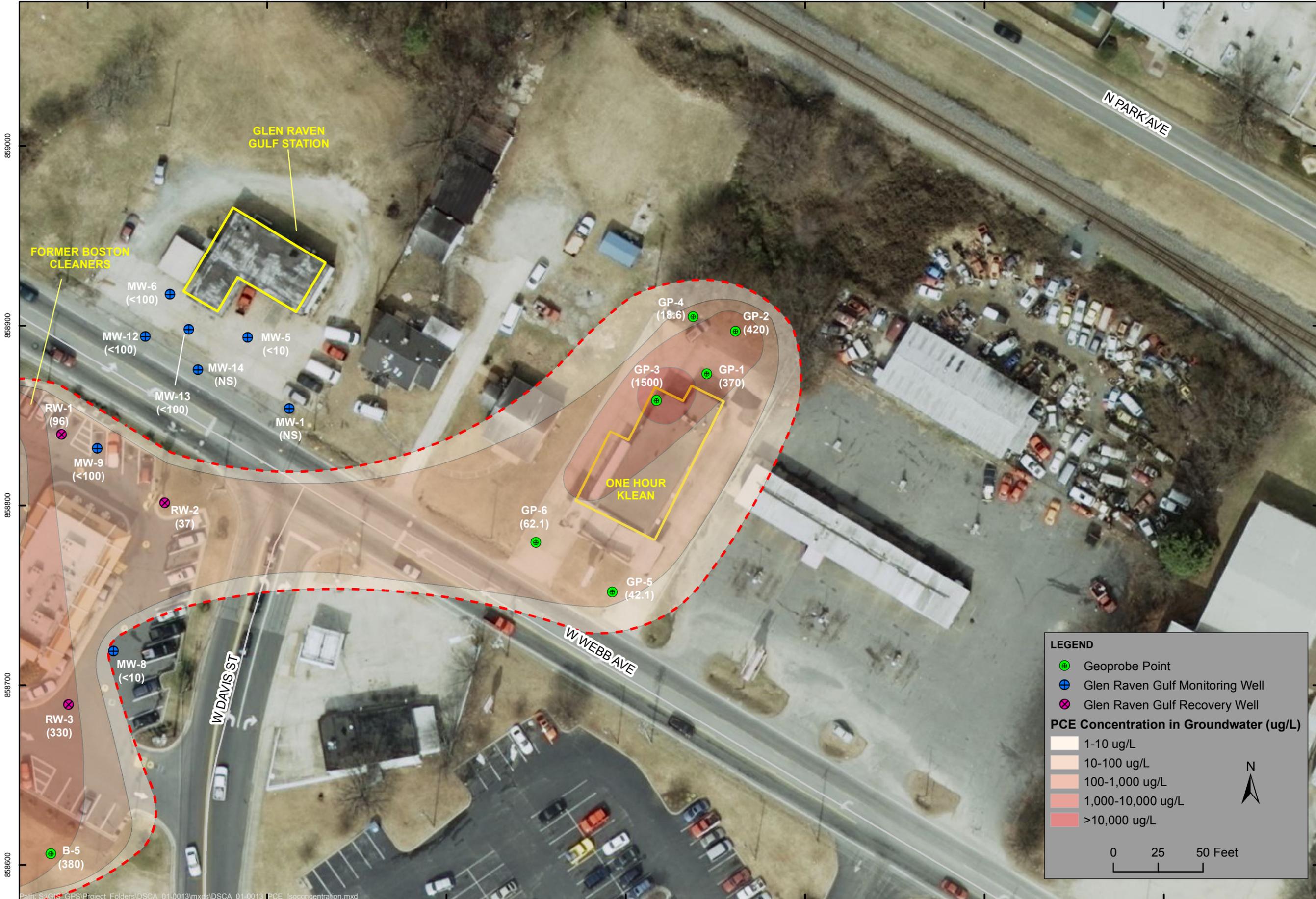


Raleigh, North Carolina 27604 (919) 871-0999 FAX (919) 871-0335

CAD FILE	DSCA ID	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1253917.DWG	01-0013	AW	MG	1" = 30'	02-13-2013	45.34341.0113

NOTES:
 1. CONCENTRATIONS ABOVE DSCA TIER 1 RBSL FOR PCE (0.023 mg/kg) SHOWN IN BOLD.

1863000 1863100 1863200 1863300 1863400 1863500 1863600



859000
858900
858800
858700
858600

Path: S:\GIS\Project_Folders\DSCA_01-0013\mxd\DSCA_01-0013_PCE_Isocentration.mxd

1863000 1863100 1863200 1863300 1863400 1863500 1863600



Raleigh, North Carolina, 27604 (919) 871-0999

PROJECT NO:	045.34341.0113
DATE:	5/2/2013
SCALE:	1" = 50'

TITLE ATTACHMENT 7
PCE ISOCONCENTRATION CONTOUR MAP
1 HOUR KLEAN
1785 WEST WEBB AVENUE
BURLINGTON, NORTH CAROLINA
DSCA ID #01-0013

MAP FILE:	DSCA_01-0008.mxd
PREP:	CS
REV:	MG

NOTES:

DATA SOURCES:
 NC One Map
 NCDOT GIS Unit

LEGEND

- Geoprobe Point
- Glen Raven Gulf Monitoring Well
- Glen Raven Gulf Recovery Well

PCE Concentration in Groundwater (ug/L)

- 1-10 ug/L
- 10-100 ug/L
- 100-1,000 ug/L
- 1,000-10,000 ug/L
- >10,000 ug/L

0 25 50 Feet



Table 3: Analytical Data for Sub-slab Gas

DSCA ID No.: 01-0013

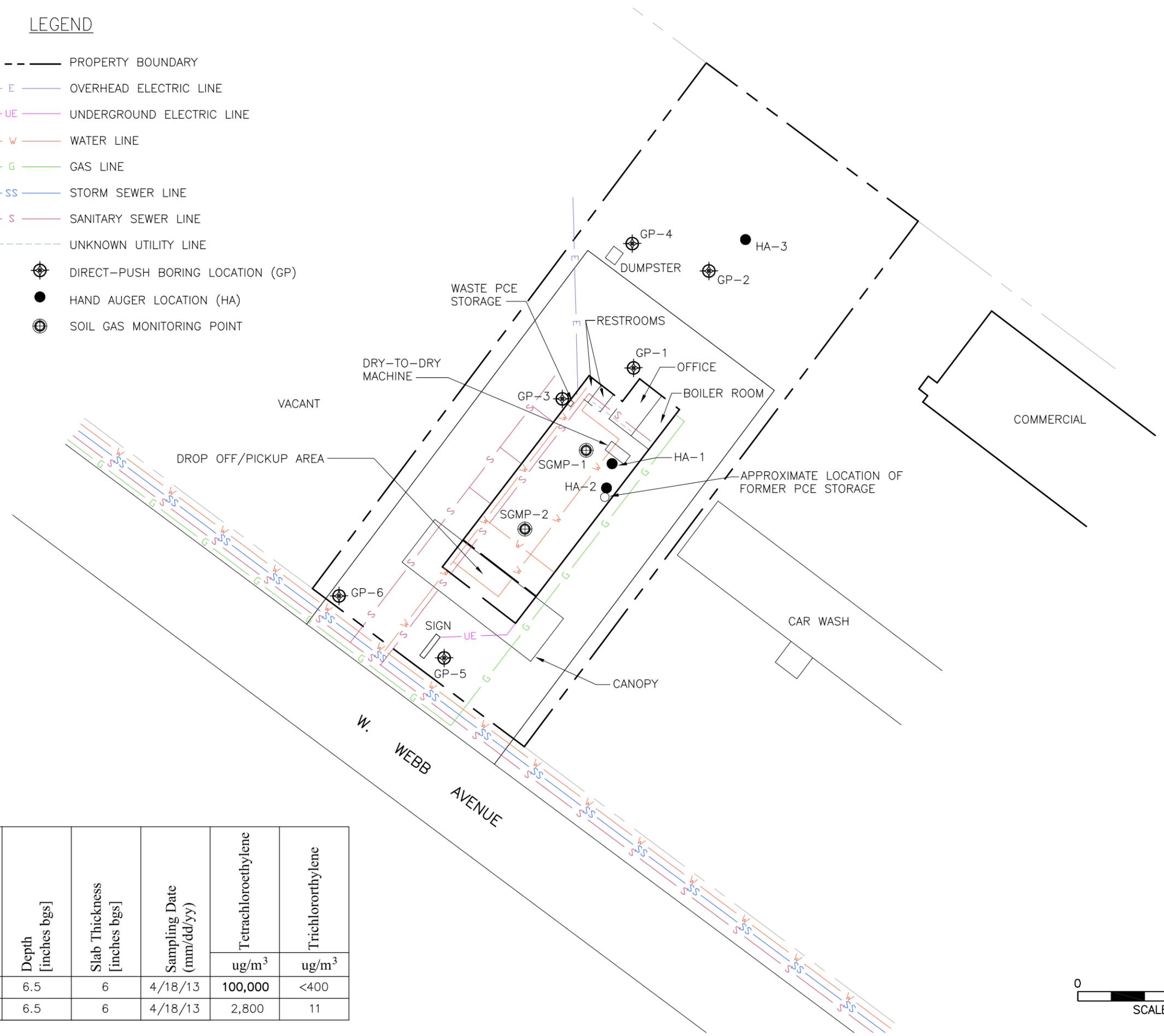
Sample ID	Depth [inches bgs]	Slab Thickness [inches]	Sampling Duration ¹	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)						
					[µg/m ³]																
SGMP-1	6.5	6	G	4/18/13	NA	<2,000	NA	NA	NA	100,000	NA	<2,000	<400	<200	NA						
SGMP-2	6.5	6	G	4/18/13	NA	<4.0	NA	NA	NA	2,800	NA	<8.0	11	<2.6	NA						
DWM Non-Residential Soil Gas Screening Levels					1,600	NE	4,900	47,000	260	3,510	440,000	5,200	176	2,800	8,800						

¹ Indicate "G" for grab sample or for longer samples indicate the number of hours followed by "h".

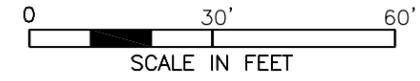
05/07/2013 1:49pm - sthompson - H:\125 - ATC\1253917-1-Hour Klean\1253917_p1-04-11-13.dwg

LEGEND

- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- GAS LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- UNKNOWN UTILITY LINE
- DIRECT-PUSH BORING LOCATION (GP)
- HAND AUGER LOCATION (HA)
- SOIL GAS MONITORING POINT



Sample ID	Depth [inches bgs]	Slab Thickness [inches bgs]	Sampling Date (mm/dd/yy)	Tetrachloroethylene	Trichloroethylene
				ug/m ³	ug/m ³
SGMP-1	6.5	6	4/18/13	100,000	<400
SGMP-2	6.5	6	4/18/13	2,800	11



TITLE ATTACHMENT 1

SITE MAP
1 HOUR KLEAN
1785 W. WEBB AVENUE
BURLINGTON, NORTH CAROLINA

CAD FILE 1253917.DWG	DSCA ID 01-0013	PREP. BY AW	REV. BY MG	SCALE 1" = 30'	DATE 02-13-2013	PROJECT NO. 45.34341.0113
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NOTES:
1. CONCENTRATIONS REPORTED ABOVE THE DIVISION OF WASTE MANAGEMENT (DWM) NON-RESIDENTIAL SOIL GAS SCREENING LEVELS (SGSLs) ARE SHOWN IN BOLD.



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 22, 2012

Certified Mail
Return Receipt Requested

Alamance Industrial Park, Inc.
Attn: Property Owner
P.O. Box 850
Burlington, NC 27215

Subj: Potential Dry Cleaner Site Contamination
One Hour Klean
1785 West Webb Avenue, Burlington, NC
DSCA Site # 01-0013

Dear Property Owner:

We are seeking your cooperation in determining if dry-cleaning solvent contamination detected in groundwater adjacent to your property referenced above which could be associated with the One Hour Klean operations. We have groundwater sample data from an on-going environmental investigation on adjacent properties which indicates the contamination in groundwater may be originating from your property. However, at this time it is not clear if this contamination is related to the One Hour Klean on your property or from other possible sources in the surrounding area that we are investigating.

We are requesting access to your property to collect subsurface soil and/or groundwater samples necessary to determine if the source of this contamination could be originating from your property. As you may or may not be aware, exposure to dry-cleaning chemicals may pose health risks, and the costs of investigating and cleaning up dry-cleaning contamination at a site can readily exceed \$250,000.

We are approaching you because we administer an environmental cleanup program known as the Dry-Cleaning Solvent Clean-up Act (DSCA) Program. The DSCA Program manages a Fund (currently available to owners and other responsible parties) which pays for most of the costs of cleaning up leaks or spills of dry-cleaning solvents.

If we test for contamination on your property, the initial investigation will be conducted by one of our state-lead contractors and we will provide you with a copy of the results. If we conclude that there has been no release of dry-cleaning contamination on your property, the work is done at no cost to you. If

May 22, 2012

we determine that there has been a release of dry-cleaning solvents on your property, you may either enter the DSCA Program or it will be referred to the North Carolina Inactive Hazardous Sites Branch (IHSB). In DSCA, an eligible petitioner for a former dry-cleaning site would pay a \$1,000 application fee and a co-pay of 1.5% of our costs. Petitioners also receive liability protection from other State environmental authorities that could levy more stringent cleanup requirements. If there has been a release of dry-cleaning solvent on your property and you choose not to enter the DSCA Program, we may seek cost recovery for our initial investigation, and you may be held responsible for all the costs necessary to cleanup any releases at the site as directed by the IHSB.

Attached is an access consent form to allow our state-lead contractor to perform the soil and groundwater sampling activities on your property. If you agree to grant us access, we ask that you return the signed consent form in 30 days. If the signed form is returned within 30 days, we will contact you to discuss a schedule and any other access issues that may be a concern. If we do not receive the signed consent within 30 days, we may elect to initiate the on-site investigation activities by means of an administrative warrant.

If you have any questions regarding this letter, please call me at (919) 707-8368 or email me at al.chapman@ncdenr.gov.

Sincerely,



Al Chapman, L.G.
DSCA Project Manager
Superfund Section
Division of Waste Management

Attachments: Property Access Consent form
DSCA Brochure

Cc: DSCA Site # 01-0013 File



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

July 16, 2013

CERTIFIED MAIL RETURN RECEIPT

Milton E. Petty
Alamance Industrial Park, Inc.
P.O. Box 850
Burlington, NC 27215

RE: Discovery of Dry-Cleaning Solvent Contamination
One Hour Klean
1785 West Webb Avenue, Burlington, Alamance County
DSCA Site 01-0013

Dear Mr. Petty:

The Dry Cleaning Solvent Cleanup Act (DSCA) Program has conducted the site investigation at the property located at 1785 W. Webb Avenue, Burlington, Alamance County and a copy of the investigation report is attached for your records. Based on the findings in the attached report, we consider the One Hour Klean facility a source of dry cleaning solvent contamination in soil and groundwater on the property. The investigation report concludes that dry cleaning solvent, specifically perchloroethene (PCE) is present in the soils up to 0.078 ppm and in the groundwater up to 1.5 ppm. These concentrations exceed the North Carolina soil and groundwater cleanup standards.

Please note that this data provides the DSCA Program the ability to invite you into our voluntary cleanup program which is outlined below and provided in the attached brochure. If you decline to enter our program we will have no choice but to refer this property to the Inactive Hazardous Sites Program, also outlined below.

You have a choice in deciding under which of the two state environmental over-site programs the assessment and remediation of the contamination will be managed:

Dry-Cleaning Solvent Cleanup Act (DSCA) Program - Sites contaminated with dry-cleaning solvent may be eligible for access to the DSCA Fund.

- The majority of the assessment and remediation costs will be covered by the Fund minus a deductible and co-pay.
- The DSCA Program will manage the cleanup of the site.

- The site's priority ranking will dictate when the site will be cleaned up to risk-based standards.

If you are interested in participating in the DSCA Program, please fill out the attached questionnaire and return it to the address provided below.

Inactive Hazardous Sites (IHS) Program - Property owners, business owners or business operators that decide not to participate in the DSCA Program will be placed in the IHS Program by default.

- The PRP may cover all of the costs of assessment and remediation.

If you have any questions or wish to return the completed questionnaire, please contact me at:

**Division of Waste Management
Attn: Al Chapman
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
Phone/Fax: (919) 707-8368
Al.Chapman@ncdenr.gov**

If we do not receive a reply from you within 30 days, the site will be placed on the IHS Program's site list and you will be responsible for all costs of assessment and remediation.

Sincerely,



Al Chapman, L.G.
DSCA Project Manager

Attachments:

1% Investigation Report, One Hour Klean, dated July 16, 2013
DSCA Program Flyer
DSCA Program Questionnaire

Cc: File 001-0013